



TOTAL NETWORK SOLUTION PROVIDER





— IN THE NAME OF GOD —

التاريخ شركة الأعماق للسلامة الدولية والاستثمار

تأسست شركة الأعماق للسلامة الدولية والاستثمار في عام ٢٠٢٤ في سلطنة عُمان، بهدف العمل في مجالات أنظمة المراقبة بالكاميرات الشبكية، مكبرات الصوت الشبكية، مفاتيح الشبكات (السويتشات)، معدات الشبكات السلبية ومسجلات الشبكة (NVR) تحت العلامة التجارية DFS، وفي الوقت نفسه تُقدّم برامج قراءة لوحات السيارات، التعرف على الوجوه، وأنظمة المراقبة تحت العلامة التجارية Peaxel.

تحظى هذه الشركة بدعم وخبرة إحدى أبرز وأقدم وأكبر المؤسسات في الشرق الأوسط، وتعتمد قريباً إطلاق أول خطوط إنتاجها داخل سلطنة عُمان. ويعمل فريق البحث والتطوير القوي وفق نهج يلتزم بخدمات ما بعد البيع، ليضمن لعملائنا منتجاً عالي الجودة وتجربة مرضية بالكامل.

إن أكبر وأحدث وأدقّ مصنع في الشرق الأوسط يعمل على مدار الساعة لتقديم أعلى جودة بأفضل الأسعار في جميع أنحاء المنطقة.

لماذا نستطيع تلبية احتياجاتكم؟

نقطة القوة الأساسية لشركة DFS هي امتلاكها فريق بحث وتطوير يتميز بقدرات عالية، مما يتيح له تنفيذ طلبات التخصيص وفق احتياجاتكم في أقصر وقت ممكن، إضافةً إلى قدرته على تصميم وتصنيع أي نوع من المنتجات المرتبطة بصناعة الإلكترونيات بكفاءة واحترافية عالية.

- تقدم شركة DFS خدماتٍ متميّزة مثل ضمان استرجاع المبلغ في حال عدم الرضا عن المنتج، وضمان غير مشروط، ودعم فني كامل حتى مرحلة التشغيل الفعلي.
- تمتلك DFS خطوط إنتاج ومختبرات كافية وتسعى إلى تحقيق أهداف أكبر من مجرد البيع.
- تؤمن DFS بالأنظمة والأساليب الإدارية الحديثة، وهي منظمة ديناميكية ومواكبة للتطور، تحرص دائماً على تحديث نفسها لضمان راحة واطمئنان المستهلكين.
- قامت DFS بإنشاء مراكز بيانات ومستودعاتٍ وفِرَق عمل في موقعين منفصلين لضمان استمرارية نظام خدماتها في حال وقوع كوارث أو حوادث قهرية، مما يُسهم في تقليل مخاطر العملاء.
- تخصص DFS أكثر من ٢٠٪ من صافي دخلها السنوي للبحث والتطوير، كما تعتمد نهجاً استشارياً ومتفائلاً ماليًا نحو المستقبل.
- تمتلك DFS خبرةً تمتد لأكثر من ١٥ عاماً من الخدمة المستمرة، وقد حافظت على ثباتها واستقرارها حتى في أصعب الفترات.
- تعمل DFS حالياً على إنتاج أجهزة أمنية مزوّدة ببرامج تشغيل (firmware) خاصة بها، وتم تركيب منتجاتها في العديد من المواقع الحساسة والأمنية داخل البلاد، مما يجعل سيرتها القوية دليلاً واضحاً على قدراتها المتميّزة.

شعار

شعار DFS باللغة الإنجليزية يعود إلى شركة الاعماق للسلامة الدولية و الاستثمار التي تم تسجيلها في عام ٢٠٢٥ في سلطنة عُمان.
شعار Peaxel يعود إلى شركة الاعماق للسلامة الدولية و الاستثمار التي تم تسجيلها في عام ٢٠٢٥ في سلطنة عُمان.

Why we can meet your needs

The main strength of DFS lies in its capable research and development team, which can customize operations based on your requests in the shortest possible time. Additionally, DFS can design and produce any type of product related to the electronics industry.

- DFS offers special services such as a money-back guarantee if you are not satisfied with the product, an unconditional warranty, and full support until the product is operational.
- DFS has sufficient production lines and laboratories and pursues a goal beyond more sales.
- DFS believes in systems and methods and is always a dynamic and up-to-date organization that strives to ensure greater comfort and peace of mind for consumers by keeping itself updated.
- It has established its databases, warehouses, and teams in two separate locations to maintain its service system and reduce consumer risk in the event of force majeure.
- DFS allocates more than 20% of its annual net income to research and development and always follows a forward-looking financial approach.
- DFS has been continuously providing services for over 15 years and has maintained its stability and resilience during the toughest times.
- Currently, DFS's security products, equipped with special firmware, are installed in many sensitive and secure locations across the country, and its strong resume demonstrates the capabilities of this brand.

English logo

The DFS logo in English belongs to the company DEPTHS FOR SAFETY, which was registered in 2025 in the Sultanate of Oman. The Peaxel logo belongs to the company DEPTHS FOR SAFETY, which was registered in 2025 in the Sultanate of Oman.

History of DEPTHS FOR SAFETY Company

The company DEPTHS FOR SAFETY was registered in the Sultanate of Oman in 2024 to operate in the fields of IP surveillance cameras, network speakers, network switches, passive network equipment, and network video recorders (NVRs) under the DFS brand. At the same time, it offers license plate recognition, facial recognition, and CCTV monitoring software under the Peaxel brand.

This company is supported by the expertise and capabilities of one of the most prominent, oldest, and largest organizations in the Middle East, and it plans to launch its first production lines in the Sultanate of Oman soon.

A powerful R&D team, committed to after-sales service structures and high-quality products, ensures complete customer satisfaction.

The largest, most advanced, and most sophisticated factory in the Middle East operates around the clock to deliver the highest quality at the best prices across the region.



بدأ تصميم وتنفيذ هذا المجمع الصناعي في مارس ٢٠٢١ (أسفند ١٣٩٩ هـ) بالتزامن مع توقيع عقد شراء أرض بمساحة ٥٢٠٠ متر مربع في المدينة الصناعية في يزد. وقد تم تشغيل المرحلة الأولى بمساحة بنائية قدرها ٤٣٠٠ متر مربع على هيكل خرساني ثقيل مكون من طابقين في يوليو ٢٠٢٢ (تير ١٤٠١ هـ)، مسجلة رقمًا قياسيًّا في البناء والتشغيل خلال أقل من ١٨ شهرًا.

يضم هذا المجمع:

- ١٤٠٠ متر مربع من المستودعات الميكانيكية المُتحكَّم بها من حيث الحرارة والرطوبة،
 - ٨٠٠ متر مربع من قاعات الإنتاج المعزولة من الفئة ٨،
 - ٣٠٠ متر مربع من قاعة تجميع لوحات الدوائر الإلكترونية المعزولة من الفئة ١٠،
 - ٤٠٠ متر مربع مخصصة لإنتاج لوحات الدوائر المطبوعة،
 - ١٠٠٠ متر مربع من المساحات التعليمية والخدمية قيد الاستخدام.
- كما يضم المجمع أحدث الآلات والأدوات الدقيقة والمختبرية، بالإضافة إلى فريق إدارة متعدد الأقسام ونظام مراقبة جودة مباشر (On-line QC). أما المرحلة الثانية من المشروع، فتبلغ مساحتها ١٢٠٠ متر مربع من المرافق الإنتاجية والخدمية، وقد بدأ تنفيذها في أبريل ٢٠٢٤.

The design and construction of this industrial complex began in March 2021, coinciding with the signing of a contract to purchase a 5,200-square-meter plot of land in the Yazd Industrial Park. The first phase, with a built-up area of 4,300 square meters over two floors of specialized heavy concrete structures, was inaugurated in July 2022, setting a record for construction and operation in less than 18 months.

This complex includes:

- 1,400 square meters of mechanized and temperature- and humidity-controlled warehouse space
- 800 square meters of Class 8 isolated production hall
- 300 square meters of Class 10 isolated PCB assembly hall
- 400 square meters of PCB production hall
- 1,000 square meters of educational and recreational space

The latest precision machinery and laboratory equipment, along with a multi-departmental management team and online quality control, are among the facilities of this complex.

The second phase of this complex, covering 1,200 square meters of production and recreational space, began in April 2024.

IP CAMERA

A Review of Technology



Smart Titanium Series

DI-D15ST60F-i30TSMU

Dual Light



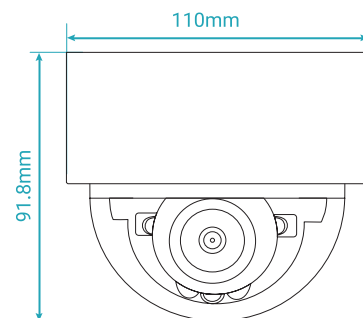
Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio Exception Detection
- Face Detection
- Smart People Counting
- Crowd Density Monitoring
- Heat Map

YEARS
GOLD
GUARANTEE• 5 years unconditional
Gold Warranty by DFS• 6 years warranty on
image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Supports intelligent heat map technology



Camera	
Image Sensor	6MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6, (2.8 mm Optional)
Resolution	3200*1800 (6MP)
Available IR Range	30~40 m Smart IR SMD Technology (3 pcs IR SMD) 20 m Warm Light Technology (3 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min Illumination	Color: 0.001 lux(AGC on) -B/W: 0.0 Lux(IR on)(Warm Light On)
Angle of View	H-FOV: 89°-(108°), V-FOV: 46°-(58°), D-FOV: 106°-(128°)
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 6MP(3200*1800), 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1,v2,v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	iOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	13 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Face Detection, Smart People Counting, Crowd Density Monitoring, Heat Map
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 8.5 Watt
Web Language	English, Arabic
Dimension	110*91.8 mm
Weight	852g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D25ST60A-i50TSLM

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Face Detection
- Audio Exception
- Detection
- Crossing Line Statistics
- Object Missing

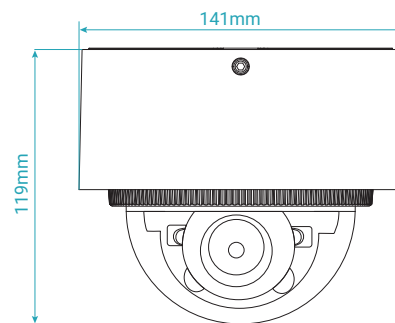
YEARS
GOLD
GUARANTEE

• 5 years unconditional
Gold Warranty by DFS

• 6 years warranty on
image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	6MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.6 Motorized Fast Auto Focus Lens
Resolution	3200*1800 (6MP)
Available IR Range	50~60 m Smart IR SMD Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 110°~37°, V-FOV: 58°~22°, D-FOV: 130°~42°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 6MP(3200*1800), 30fps@ 4MP, 60fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP, 802.1X
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	12 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Face Detection, Audio Exception Detection, Crossing Line Statistics, Object Missing
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	141*119 mm
Weight	1.2 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D15ST80F-i30TSM

IR



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Face Detection
- Audio Exception Detection
- Crossing Line Statistics

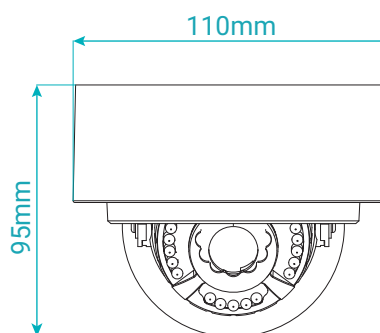
YEARS
GOLD
GUARANTEE

• 5 years unconditional
Gold Warranty by DFS

• 6 years warranty on
image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	8MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex-A17@1.25GHz + A7@800 MHz
Lens	3.6 mm Fixed Lens @F1.6, (2.8mm Optional)
Resolution	3840*2160 (8MP)
Available IR Range	30~40 m Smart IR SMD Technology
D/N Filter	IR Cut Filter With Auto Switch
Min Illumination	Color: 0.001 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 81°-(103°), V-FOV: 64°-(56°), D-FOV: 95°-(125°)
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 8MP(3840*2160), 30fps@ 6MP, 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
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Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
IP Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 8.5 Watt
Web Language	English, Arabic
Dimension	110*95 mm
Weight	600 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D15ST80F-i30TSMU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Face Detection
- Smart People Counting
- Crowd Density Monitoring
- Heat Map

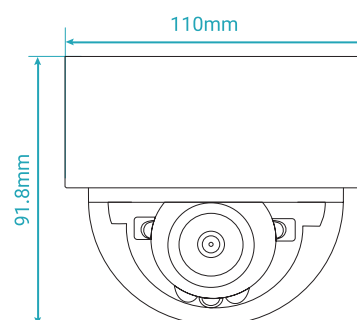
YEARS
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GUARANTEE

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image quality stability

Other advantages

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- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- H.264+ / H.265 Support
- ONVIF version 2.6 Support
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Emergency recording (ANR) Support
- Supports Electronic Image Stabilization (EIS) technology
- Supports intelligent heat map technology



Camera	
Image Sensor	8MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6, (2.8 mm Optional)
Resolution	3840*2160 (8MP)
Available IR Range	30~40 m Smart IR SMD Technology (3 pcs IR SMD) 20 m Warm Light Technology (3 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 lux(AGC on) -B/W: 0.0 Lux(IR on)(Warm Light On)
Angle of View	H-FOV: 89°-(108°), V-FOV: 46°-(58°), D-FOV: 106°-(128°)
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
(60Hz)Frame Rate	30fps@ 8MP(3840*2160), 30fps@ 6MP, 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	13 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Face Detection, Smart People Counting, Crowd Density Monitoring, Heat Map
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 8.5 Watt
Web Language	English, Arabic
Dimension	110*91.8 mm
Weight	852g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D25ST80A-i50TSLM

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Face Detection
- Audio Exception Detection
- Crossing Line Statistics

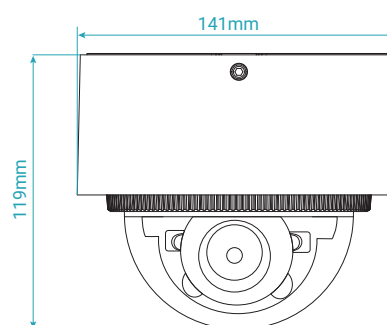
YEARS
GOLD
GUARANTEE


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	8MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.6 Motorized Fast Auto Focus Lens
Resolution	3840*2160 (8MP)
Available IR Range	50~60 M Smart IR SMD Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 lux (AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 112°~36°, V-FOV: 58°~20°, D-FOV: 129°~39°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 8MP(3840*2160) , 30fps@ 6MP, 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP, 802.1X
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	11 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Face Detection, Audio Exception Detection, Crossing Line Statistics,
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	141*119 mm
Weight	1.2 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D25ST80A-i60TSLM

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Unattended Object
- Object Missing
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- People Gathering Detection
- Parking Detection
- Blurred Detection
- Scene Change Detection
- Audio Exception Detection
- Crossing Line Statistics
- Face Detection
- Human Detection
- Car Shape Detection

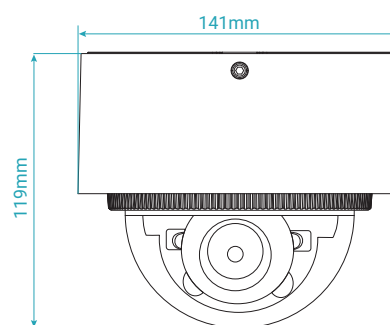
YEARS
GOLD
GUARANTEE

• 5 years unconditional
Gold Warranty by DFS

• 6 years warranty on
image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	8MP Super Starlight (Sony-Japan) Progressive scan Cmos Sensor (1/1.8")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.4 Motorized Fast Auto Focus Lens
Resolution	3840*2160 (8MP)
Available IR Range	60~70 m Smart IR SMD Technology Smart White light Technology
D/N Filter	IR Cut Filter With Auto Switch
Min illumination	Color: 0.0008 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 116°~52°, V-FOV: 63°~32°, D-FOV: 127°~37°
Night Vision	Super Starlight Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 58dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
(60Hz)Frame Rate	30fps@ 8MP(3840*2160), 30fps@ 6MP, 30fps@ 4MP, 60fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP, 802.1X
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	17 Smart Function Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, Audio Exception Detection, Crossing Line Statistics, Face Detection, Human Detection, Car Shape Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	141*119 mm
Weight	1.2 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B35ST40F-TCSM

Full Color



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Scene Change Detection
- Face Detection

YEARS
GOLD
GUARANTEE

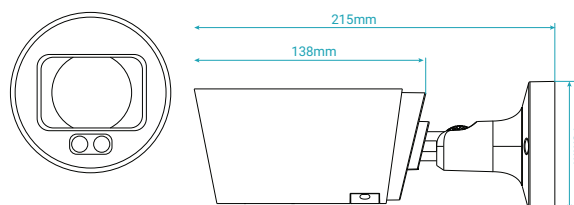


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports 130dB Wide Dynamic Range capability



Camera	
Image Sensor	4MP Full color(OmniVision-USA)Progressive scan Cmos Sensor(1/1.8")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.0
Resolution	2688*1520 (4MP)
Available Warm Light Range	20~25 m, 2Pcs, Warm light LED Technology
D/N Filter	Color
Min illumination	Color: 0.0001 lux(Color) - 0.0 Lux(Warm Light On)
Angle of View	H-FOV: 112°, V-FOV: 60°, D-FOV: 131°
Night Vision	Full Color Technology
Picture Adjust	
Picture Function	130dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) , MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 4MP(2688*1520), 30fps@ 3MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	6 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Scene Change Detection, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	215*75 mm
Weight	980 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B85ST40A-TCSM

Full Color



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Scene Change Detection
- Face Detection

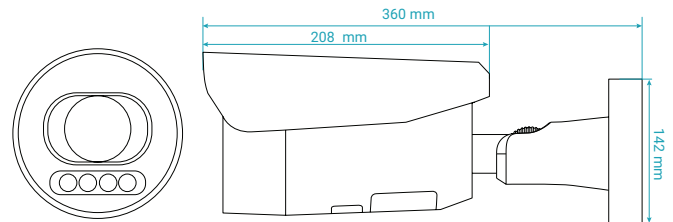
YEARS
GOLD
GUARANTEE

• 5 years unconditional
Gold Warranty by DFS

• 6 years warranty on
image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 / IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports 130dB Wide Dynamic Range capability



Camera	
Image Sensor	4MP Full color (OmniVision-USA) Progressive scan Cmos Sensor (1/1.8")
CPU	Dual-Core ARM Cortex
Lens	2.8~12.5 mm, Motorized Fast Auto Focus Lens @F1.0
Resolution	2688*1520 (4MP)
Available Warm Light Range	85~90 m, 4Pcs, Warm light LED Technology
D/N Filter	Color
Min illumination	Color: 0.0001 lux (Color) - 0.0 Lux (Warm Light On)
Angle of View	H-FOV: 105°~56°, V-FOV: 54°~31°, D-FOV: 131°~65°
Night Vision	Full Color Technology
Picture Adjust	
Picture Function	130 db WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate (60Hz)	30fps@ 4MP (2688*1520), 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate: 11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP (v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	iOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	6 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Scene Change Detection, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Back Box	Yes
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 13 Watt
Web Language	English, Arabic
Dimension	360*142 mm
Weight	2.9 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B35ST60F-i40TSMU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Face Detection
- Smart People Counting
- Crowd Density Monitoring
- Heat Map

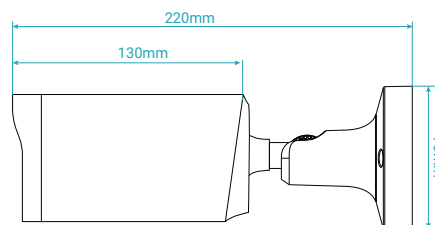
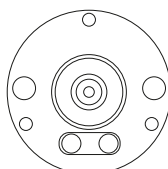
YEARS
GOLD
GUARANTEE


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Supports intelligent heat map technology



Camera	
Image Sensor	6MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6, (2.8 mm Optional)
Resolution	3200*1800 (6MP)
Available IR Range	40~50 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 lux(AGC on) -B/W: 0.0 Lux(IR on)(Warm Light On)
Angle of View	H-FOV: 89°-(108°), V-FOV: 46°-(58°), D-FOV: 106°-(128°)
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Stabilization	Yes (EIS)
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 6MP(3200*1800), 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	13 Smart Function
	Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Face Detection, Smart People Counting, Crowd Density Monitoring, Heat Map
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6kV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	220*76 mm
Weight	980 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

E501

DI-B35ST60F-TCSM

Full Color



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Crossing Line Statistics
- Face Detection
- Object Missing

YEARS
GOLD
GUARANTEE

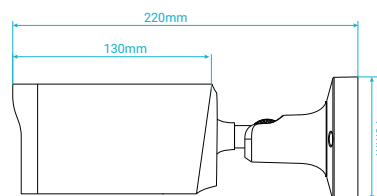
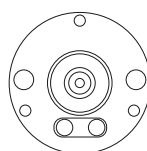


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	6MP Full color (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.0, (3.6 mm Optional)
Resolution	3200*1800 (6MP)
Available Warm Light Range	20~25 m, 4Pcs, Warm light LED Technology
D/N Filter	Color
Min illumination	Color: 0.0003 lux(AGC on) - 0.0 Lux(Warm Light On)
Angle of View	H-FOV: 81°-(106°), V-FOV: 64°-(58°), D-FOV: 95°-(110°)
Night Vision	Full Color Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 6MP(3200*1800), 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP, 802.1X
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	12 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Crossing Line Statistics, Face Detection, Object Missing
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	220*76 mm
Weight	980 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B55ST60A-i70TSLM

Strobe Light



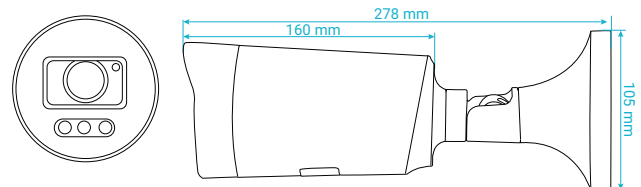
Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Smart People Counting
- Face Detection
- Crowd Density Monitoring
- Heat Map



Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Supports intelligent heat map technology



Camera	
Image Sensor	6MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.6, Motorized Fast Auto Focus Lens
Resolution	3200*1800 (6MP)
Available IR Range	70~80 m Smart IR SMD Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 lux (AGC on) -B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 112°~36°, V-FOV: 58°~20°, D-FOV: 120°~39°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 6MP(3200*1800) , 30fps@ 5MP, 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , , SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2-6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	13 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Smart People Counting, Face Detection, Crowd Density Monitoring, Heat Map
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 13 Watt
Web Language	English, Arabic
Dimension	278*105 mm
Weight	1.4 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B55ST60A-i70TSMU

Dual Light

AI ISP



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Crossing Line Statistics
- Face Detection
- Object Missing

YEARS
GOLD
GUARANTEE

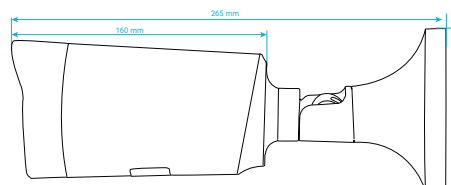
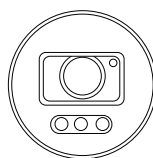
• 5 years unconditional
Gold Warranty by DFS

• 6 years warranty on
image quality stability



Other advantages

- micro-SD cards up to 512GB Support
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- H.264+ / H.265 Support
- ONVIF version 2.6 Support
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Electronic Image Stabilization (EIS) technology



Camera	
Image Sensor	6MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex (AI ISP)
Lens	2.7~13.5 mm @F1.6, Motorized Fast Auto Focus Lens
Resolution	3200*1800 (6MP)
Available IR Range	70~80 m Smart IR SMD Technology (4pcs IR SMD) 50 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.0001 lux(AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 112°~36°, V-FOV: 58°~20°, D-FOV: 120°~39°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	140dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 6MP(3200*1800), 30fps@ 5MP, 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, , SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	10 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (512 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 13 Watt
Web Language	English, Arabic
Dimension	278*105 mm
Weight	1.4 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B85ST60A-i100TSMR

Red & Blue



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Crossing Line Statistics
- Face Detection
- Object Missing
- Heat Map

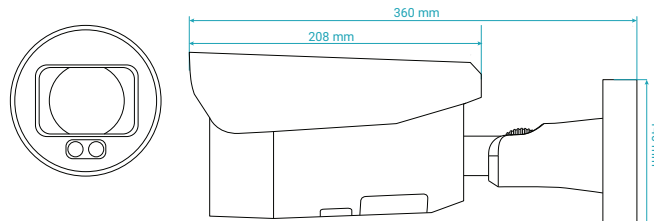
YEARS
GOLD
GUARANTEE

• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Supports intelligent heat map technology



Camera	
Image Sensor	6MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	5~50 mm @F1.6, Motorized Fast Auto Focus Lens
Resolution	3200*1800 (6MP)
Available IR Range	100~110 m Smart IR SMD(8°C) Technology
D/N Filter	IR cut Filter with Auto Switch
Min illumination	Color: 0.001 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 48.3°~9.1°, V-FOV: 27.1°~5.1°, D-FOV: 54°~10.5°
Night Vision	Color /IR
Red/Blue Light Warning	Flash: 5 s~30 s; frequency: high/medium/low
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 58dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 6MP(3200*1800), 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	13 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Face Detection, Smart People Counting, Crowd Density Monitoring, Heat Map
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Back Box	Yes
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 15 Watt
Web Language	English, Arabic
Dimension	360*140 mm
Weight	2.9 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B35ST80F-i40TSMU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Crossing Line Statistics
- Face Detection
- Object Missing
- Heat Map

YEARS
GOLD
GUARANTEE

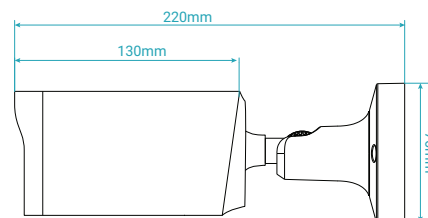
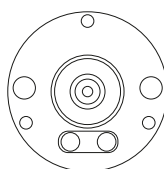


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Supports intelligent heat map technology



Camera	
Image Sensor	8MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6, (2.8 mm Optional)
Resolution	3840*2160 (8MP)
Available IR Range	40~50 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 lux (AGC on) -B/W: 0.0 Lux (IR on) (Warm Light On)
Angle of View	H-FOV: 89°-(108°), V-FOV: 46°-(58°), D-FOV: 106°-(128°)
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Shutter Speed	Minimum (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 8MP(3840*2160), 30fps@ 6MP, 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	13 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Face Detection, Smart People Counting, Crowd Density Monitoring, Heat Map
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	220*76 mm
Weight	980 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B55ST80F-i60TSMPUR

Active Deterrence


Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Face Detection
- Audio exception Detection
- Smart People Counting
- Crowd Density Monitoring
- Heat Map

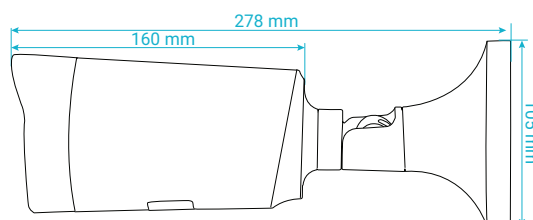
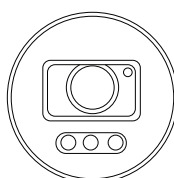
5 YEARS GOLD GUARANTEE


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology



Camera	
Image Sensor	8MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.0
Resolution	3840*2160 (8MP)
Available IR Range	60~70 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 lux (AGC on) -B/W: 0.0 Lux(IR on)(Warm Light On)
Angle of View	H-FOV: 103°, V-FOV: 55°, D-FOV: 122°
Night Vision	Red Light Technology
Active Deterrence	
Red/Blue Light Warning	Flash: 5 s~30 s; frequency: high/medium/low
Sound Warning	Audio 1/2/3; Volume: high/medium/low; duration: 5 s~30 s; 106 dB
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 8MP(3840*2160) , 30fps@ 6MP, 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast

Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet
Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	13 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Face Detection, Smart People Counting, Crowd Density Monitoring, Heat Map
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic ,Internal Speaker
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 13 Watt
Web Language	English, Arabic
Dimension	278*105 mm
Weight	1.4 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B55ST80A-i70TSLM

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Crossing Line Statistics
- Face Detection
- Object Missing
- Crowd Density Monitoring
- Heat Map

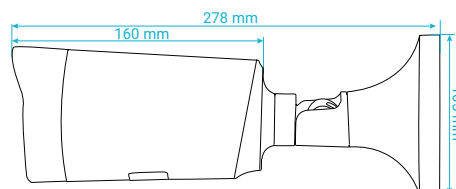
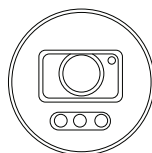
YEARS
GOLD
GUARANTEE

• 5 years unconditional
Gold Warranty by DFS

• 6 years warranty on
image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Supports intelligent heat map technology



Camera	
Image Sensor	8MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.6 Motorized Fast Auto Focus Lens
Resolution	3840*2160 (8MP)
Available IR Range	70~80 m Smart IR SMD Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 lux(AGC on) -B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 112°~36°, V-FOV: 58°~20°, D-FOV: 129°~39°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 8MP(3840*2160), 30fps@ 6MP, 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP, 802.1X
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	15 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Face Detection, Audio Exception Detection, Unattended object, Object missing, Smart People Counting, Crowd Density Monitoring, Heat Map
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 13 Watt
Web Language	English, Arabic
Dimension	278*105 mm
Weight	1.4 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B55ST80A-i70TSMU

Dual Light

AI ISP



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Face Detection
- Audio Exception Detection

YEARS
GOLD
GUARANTEE



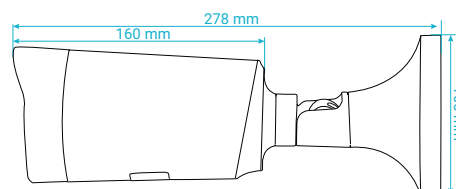
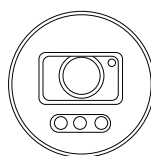
• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability



Other advantages

- Supports Micro-SD cards up to 512GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Equipped with AI-based Intelligent Image Signal Processing (AI ISP)
- Supports 140dB Wide Dynamic Range capability



Camera	
Image Sensor	8MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex (AI ISP)
Lens	2.7~13.5 mm @F1.6 Motorized Fast Auto Focus Lens
Resolution	3840*2160 (8MP)
Available IR Range	70~80 m Smart IR SMD Technology (4pcs IR SMD) 50 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.0001 lux(AGC on) - B/W: 0.0 Lux(IR on) (Warm Light on)
Angle of View	H-FOV: 112°~36°, V-FOV: 58°~20°, D-FOV: 129°~39°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	140dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 8MP(3840*2160), 30fps@ 6MP, 30fps@ 4MP, 90fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	10 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Face Detection, Audio Exception Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (512 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 13 Watt
Web Language	English, Arabic
Dimension	278*105 mm
Weight	1.4 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B55ST80A-i80TSLM

Strobe Light



Smart Functions

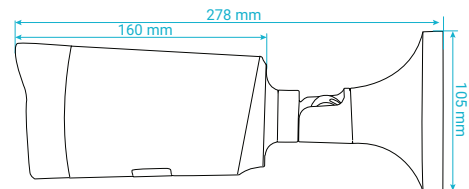
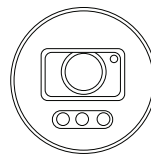
- Line Crossing
- Area Intrusion
- Unattended Object
- Object Missing
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Parking Detection
- Blurred Detection
- Scene Change Detection
- Audio Exception Detection
- Face Detection
- Human Detection
- Car Shape Detection
- Smart People Counting
- Crowd Density Monitoring

YEARS
GOLD
GUARANTEE

- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Supports intelligent heat map technology



Camera	
Image Sensor	8MP Super Starlight (Sony-Japan) Progressive scan Cmos Sensor (1/1.8")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.4 Motorized Fast Auto Focus Lens
Resolution	3840*2160 (8MP)
Available IR Range	80~90 m Smart IR SMD Technology Smart White light Technology
D/N Filter	IR Cut Filter With Auto Switch
Min illumination	Color: 0.0008 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 116°~52°, V-FOV: 63°~32°, D-FOV: 127°~37°
Night Vision	Super Starlight Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 58dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 8MP(3840*2160), 30fps@ 6MP, 30fps@ 4MP, 60fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	18 Smart Function
	Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Parking Detection, Blurred Detection, Scene Change Detection, Audio Exception Detection, Face Detection, Human Detection, Car Shape Detection, Smart People Counting, Crowd Density Monitoring, Heat Map
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 13 Watt
Web Language	English, Arabic
Dimension	278*105 mm
Weight	1.4 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B85ST80A-i100TSMR

Red & Blue



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Face Detection
- Smart People Counting
- Crowd Density Monitoring
- Missing Object
- Unattended Object
- Parking detection

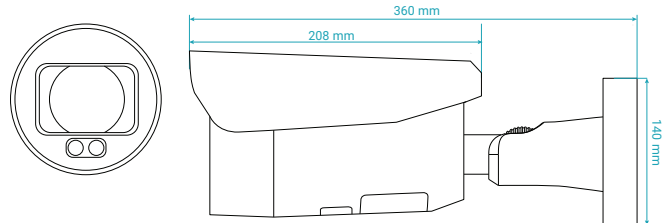


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology



Camera	
Image Sensor	8MP Super Starlight (Sony-Japan) Progressive scan Cmos Sensor (1/1.8")
CPU	Dual-Core ARM Cortex
Lens	8~32 mm @F1.6, Motorized Fast Auto Focus Lens
Aperture	DC Iris
Resolution	3840*2160 (8MP)
Available IR Range	100~110 m Smart IR SMD(8 [°]) Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.0008 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 42.5°~15.1°, V-FOV: 23.6°~8.6°, D-FOV: 47.7°~17.4°
Night Vision	Super Starlight Technology
Red/Blue Light Warning	Flash: 5 s~30 s; frequency: high/medium/low
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 58dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) MJPEG
Audio Compression	G.711A, G.711U
(60Hz)Frame Rate	30fps@ 8MP(3840*2160), 30fps@ 6MP, 30fps@ 4MP, 60fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~16 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP, 802.1X
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message- Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	15 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Face Detection, Smart People Counting, Crowd Density Monitoring, Missing Object, Unattended Object, Parking detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Back Box	Yes
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 15 Watt
Web Language	English, Arabic
Dimension	360*140 mm
Weight	2.9 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B95ST80F-TCSMPR

Active Deterrence



Smart Functions

- Line Crossing
- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting

YEARS
GOLD
GUARANTEE

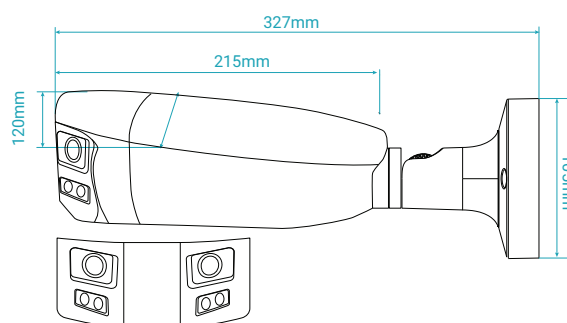


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports 140dB Wide Dynamic Range capability



Camera	
Image Sensor	Dual 4MP Full color (OmniVision-USA) Progressive scan Cmos Sensor (1/1.8")
CPU	Dual-Core ARM Cortex
Lens	4 mm Fixed Lens @F1.0
Resolution	5120*1440 (8MP)
Available Warm Light Range	40~45 m, 4Pcs, Warm light LED Technology
D/N Filter	Color
Min illumination	Color: 0.0001 lux (Color) - 0.0 Lux (Warm Light On)
Angle of View	H-FOV: 180°, V-FOV: 44°, D-FOV: 287°
Night Vision	Full Color Technology
Active Deterrence	
Red/Blue Light Warning	Flash: 5 s~30 s; frequency: high/medium/low
Sound Warning	Audio 1/2/3; Volume: high/medium/low; duration: 5 s~30 s; 106 dB
Picture Adjust	
Picture Function	140dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 8MP(5120*1440)
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~6 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	4 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic ,Internal Speaker
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 11 Watt
Web Language	English, Arabic
Dimension	327*105 mm
Weight	1.9 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-TV55ST50F-i60TSM PUR

Thermal Vision

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Loitering Detection
- Face Detection
- Smoke and Fire Detection**

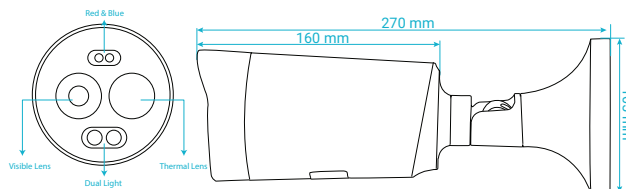
YEARS
GOLD
GUARANTEE

• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 512GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Optical Module	
Image Sensor	SMP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm @F1.6 Fixed Lens
Resolution	2880*1620 (SMP)
Available IR Range	60~70 m Smart IR SMD Technology 30~40 m Warm Light Technology Dual Light Technology
D/N Filter	IR Cut Filter With Auto Switch
Min illumination	Color: 0.006 lux (AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 102°, V-FOV: 71°, D-FOV: 132°
Night Vision	Dual Light Technology
Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Detector
Resolution	256*192
Pixel Pitch	12μm
Spectral Range	8~14μm
NETD	≤50mK@25°C, F#1.0
Focal Length	7mm
IFOV	1.69mrad
Field of View	24.8°×18.7°(H×V)
Aperture	F1.0
Effective Length (Thermal)	
Human(1.8m × 0.5m)	Day Mode: 20 ~ 25 m (Corridor Mode: 15 ~ 20 m) Night Mode: 15 ~ 20 m (Corridor Mode: 10 m)
Vehicle(4.0m × 1.4m)	Day Mode: 40 ~ 50 m - Night Mode: 20 ~ 45 m"
Human(1.8m × 0.5m)	Detection: 194m, Recognition: 49m, Identification: 24m
Vehicle(4.0m × 1.4m)	Detection: 544m, Recognition: 136m, Identification: 68m
Safety Analytics (Target Size: 0.2m × 0.2m)	Fire Point Detection: 40m (Default) ~ 80m (Max Sensitivity) Smoking Detection: 6 m (Default) ~ 9 m (Max Sensitivity)
Picture Adjust (visible)	
Picture Function	120dB WDR , 2D/3D DNR, BLC, HLC, ROI, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off

S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Picture Adjust (Thermal)	
Color Palettes	Up to 20 colors (White-hot, Black-hot, Rainbow, High Contrast Rainbow, Iron red, Lava, Sky, Medium Gray, Gray Red, Violet Orange, Ice Fire, Cyan Red, Special 1, Special 2, Gradient Red, Gradient Green, Gradient Blue, Warning Red, Warning Green, Warning Blue)
FFC Control	Manual
Video/Audio (Visible)	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG (Sub)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP(2880*1620) , 30fps@ 4MP, 30fps@ 2MP@ 30fps
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Video/Audio (Thermal)	
Main Stream	20fps (1280 × 720, 704 × 576, 640 × 512, 320 × 240)
Sub Stream	20fps (704 × 576, 640 × 512, 320 × 240)
Active Deterrence	
Red/Blue Light Warning	Flash: 5 s~30 s; frequency: high/medium/low
Sound Warning	Audio 1/:25 s~30 s; 106 dB /3; Volume: high/medium/low
Network	
Protocols	TCP/IP(V4, V6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P
Compatibility	Onvif Ver2.6 (Profile S, G, T), SDK
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet
Visible Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	7 Smart Function Line Crossing Detection, Area Intrusion Detection, Region Entrance Detection, Region Exiting Detection, Loitering Detection, Face Detection, Smoke and Flame Detection

ED05

DI-TV55ST50F-i60TSM PUR

Thermal Vision

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Loitering Detection
- Face Detection
- Smoke and Fire Detection

YEARS
GOLD
GUARANTEE

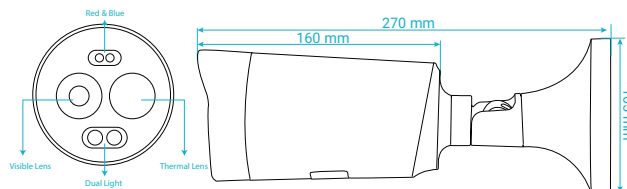


• 5 years unconditional Gold Warranty by DFS

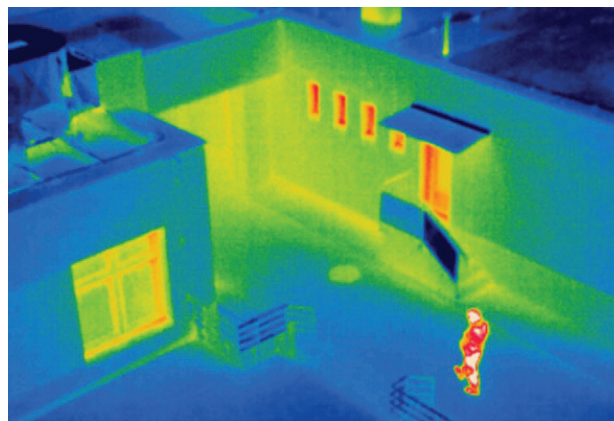
• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 512GB
- Waterproof and dustproof body with IP67 / IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Thermal Functions	
Temperature Range	Selectable between -20°C to 150 °C(-4 °F to 302 °F) and 100 °C to 550 °C (212 °F to 1022 °F)
Temperature Accuracy	±2 °C (±14.4 °F) or ± 2%
Intelligent Function	Smoke Detection, Fire Spot Detection, PPHV, Loitering Detection
AI function can be enabled simultaneously on thermal and optical channels	
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Dual Internal Mic , Internal Speaker
Alarm	Alarm In, Alarm Out
Serial Port	1*RS-485 interface (half duplex)
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (512Gb Max) (ANR Support)
General	
Protection Rating	IP67, 6KV Surge Protection
Power Supply	DC12V ± 25%
PoE Supply	IEEE802.3af - Max 9.3 Watt
Web Language	English, Arabic
Dimension	105*270 mm
Weight	1.2 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-40°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR



DI-F25ST60F-i10TSMP



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting

YEARS
GOLD
GUARANTEE

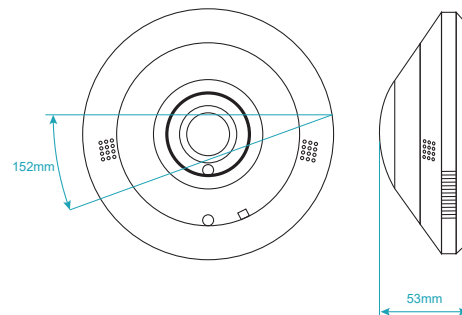


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	6MP Progressive scan Cmos Sensor (1/2.5")
CPU	Dual-Core ARM Cortex
Lens	1.68 mm Fixed Lens @F2.0
Resolution	2560*2560 (6MP)
Available IR Range	10~20 m Smart IR SMD Technology
D/N Filter	IR Cut Filter With Auto Switch
Min illumination	Color: 0.005 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 180°, V-FOV: 180°, D-FOV: 180°
Night Vision	Color / IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) , MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	FishEye(2560*2560@30fps) 4CH@ePTZ(640*480@30fps) FishEye+Panoramic+3CH@ePTZ(2560*2560+1920*1080+640*480@30fps) FishEye + 4CH@ePTZ(2560*2560 +640*480@30fps) Panoramic+4CH@ePTZ(2560*2560+640*480@15fps)
Transmission Stream	Six Stream, 6View Mode DFS Protocols (Code Rate: 128kb-10mb)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast

Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet
Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Motion Detection, Video Shelter
Intelligent Function	4 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic ,Internal Speaker
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	152*53 mm
Weight	724 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-S150ST20Z25-i200TS



Smart Functions

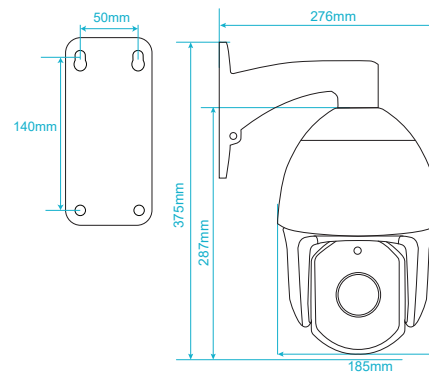
- Line Crossing
- Area Intrusion
- Unattended Object
- Object Missing
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Parking Detection
- Blurred Detection
- Scene Change Detection
- Audio Exception Detection
- People Gathering Detection

 YEARS
GOLD
GUARANTEE


- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 / IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	2MP Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex A7@900MHz
Lens	25X Optical Lens (4.7~117mm)
Resolution	1920*1080 (2MP)
Available IR Range	200~210 m Smart IR 6pcs Aray
D/N Filter	IR Cut Filter Switch (ICR)
Min illumination	Color: 0.001 Lux(AGC on) - B/W: 0.0 Lux(IR on)
PTZ	Pan Range: 360° Endless - Pan Speed: 0.1°~120°/S Tilt Range: -10°~90° Auto Flip - Tilt Speed: 0.1°~60°/S Number of Preset: 255 - Patrol: 32 - Pattern: 8 - Park Action: Yes
Night Vision	Color/IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Digital Zoom	16X
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Setting	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 1080P(1920*1080) , 30fps@ 960P, 30fps@ 720P
Transmission Stream	Triple Stream (Code Rate: 11Kbps-8mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR

Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	13 Smart Function Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Parking Detection, Blurred Detection, Scene Change Detection, Audio Exception Detection, People Gathering Detection
Interface	
Network	RJ45(10/100mbps) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	N/A
Alarm	Alarm Out, Alarm In
CVBS	N/A
Power	PoE LAN, DC/AC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (128 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Cover Lens	Nano Glass
Power Supply	DC12 V ± 25% (3A Max)
POE Supply	IEEE802.3af-Max 15 Watt
Web Language	English, Arabic
Dimension	276*375 mm
Weight	4.3 kg
Case Size	5"
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-40°C ~ +70°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DI-S250ST50Z32-i250TS



Smart Functions

- Line Crossing
- Area Intrusion
- Unattended Object
- Object Missing
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- People Gathering Detection
- Parking Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Crossing Line Statistics

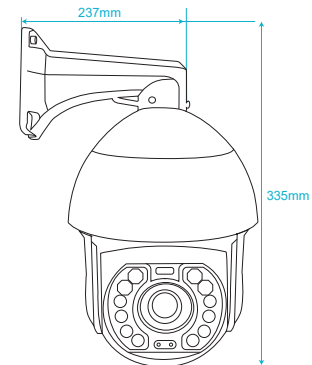
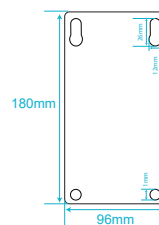
YEARS
GOLD
GUARANTEE



- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Support for intelligent target tracking technology
- Support for 3D pattern technology in zoom and focus



Camera	
Image Sensor	5MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex A7@900MHz
Lens	32X Optical Lens (4.8~158mm) (F-Stop F1.5~F3.8)
Resolution	2592*1944 (5MP)
Available IR Range	250~260 m Smart IR 12pcs Array
D/N Filter	IR Cut Filter Switch (ICR)
Min illumination	Color: 0.001 Lux(AGC on) - B/W: 0.0 Lux(IR on)
PTZ	Pan Range: 360° Endless - Pan Speed: 0.1~120°/S Tilt Range: -10~90° Auto Flip - Tilt Speed: 0.1~60°/S Number of Preset: 255 - Patrol:32 - Pattern: 8 - Park Action: Yes
Night Vision	Color / IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Digital Zoom	16X
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Setting	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP(2592*1944), 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Code Rate: 32Kbps-16mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, RTMP
Compatibility	Onvif Ver2-6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Function	
Recording	FTP, NVR, CMS,VMS, NAS, SD Card, ANR

Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Auto Track	Yes
3D Position/3D Zoom	Yes
Intelligent Function	14 Smart Function Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Crossing Line Statistics
Interface	
Network	RJ45(10/100Mbps) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	N/A
Alarm	Alarm Out, Alarm In
CVBS	N/A
Power	PoE LAN, DC/AC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Cover Lens	Nano Glass
Power Supply	AC24 V ± 25% (3A Max)
POE Supply	IEEE802-3at-Max 25 Watt
Web Language	English, Arabic
Dimension	237*335 mm
Weight	5.2 kg
Case Size	8"
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-40°C ~ +70°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DI-S250ST80Z38-i250TS



Smart Functions

- Line Crossing
- Area Intrusion
- Unattended Object
- Object Missing
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- People Gathering Detection
- Parking Detection
- Blurred Detection
- Scene Change Detection
- Audio Exception Detection
- Crossing Line Statistics
- Face Detection
- Human Detection
- Car Shape Detection

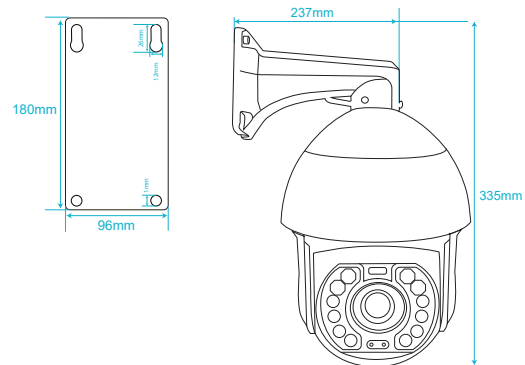
YEARS
GOLD
GUARANTEE

• 5 years unconditional
Gold Warranty by DFS

• 6 years warranty on
image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Support for intelligent target tracking technology
- Support for 3D pattern technology in zoom and focus



Camera	
Image Sensor	8MP Super Starlight (Sony-Japan) Progressive scan Cmos Sensor (1/1.8")
CPU	Dual-Core ARM Cortex A7@900MHz
Lens	38X Optical Lens (6~228mm) (F-Stop F1.5~F4.8)
Resolution	3840*2160 (8MP)
Available IR Range	250~260 m Smart IR 12pcs Array
D/N Filter	IR Cut Filter Switch (ICR)
Min illumination	Color: 0.0008 Lux(AGC on) - B/W: 0.0 Lux(IR on)
PTZ	Pan Range: 360° Endless - Pan Speed: 0.1~120°/S Tilt Range: -10°~90° Auto Flip - Tilt Speed: 0.1~60°/S Number of Preset: 255 - Patrol: 32 - Pattern: 8 - Park Action: Yes
Night Vision	Super Starlight Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Digital Zoom	16X
Image Stabilization	Yes (EIS)
Shutter Speed	Manual (1/3 ~ 1/100,000), Auto
Image Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Setting	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 8MP(3840*2160), 30fps@ 6MP, 60fps@ 2MP
Transmission Stream	Triple Stream (Code Rate: 32Kbps-16Mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR

Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Auto Track	Yes
3D Position/3D Zoom	Yes
Intelligent Function	17 Smart Function Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, Audio Exception Detection, Crossing Line Statistics, Face Detection, Human Detection, Car Shape Detection
Interface	
Network	RJ45(10/100Mbps) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	N/A
Alarm	Alarm Out, Alarm In
CVBS	N/A
Power	PoE LAN, DC/AC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Cover Lens	Nano Glass
Power Supply	AC24 V ± 25% (3A Max)
POE Supply	IEEE802.3at-Max 25 Watt
Web Language	English, Arabic
Dimension	237*335 mm
Weight	5.2 kg
Case Size	8"
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-40°C ~ +70°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)

DI-S300ST50Z32-i150TS

Smart Functions

- Line Crossing
- Detection
- Area Intrusion
- Region Entrance
- Region Exiting
- Unattended Object
- Object Missing
- Fast Moving
- Loitering Detection
- People Gathering Detection
- Parking Detection
- Blurred Detection
- Scene Change Detection
- Audio Exception Detection
- Crossing Line Statistics

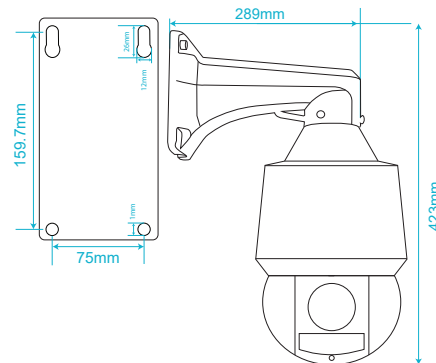
YEARS
GOLD
GUARANTEE



- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 / IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)
- Supports Electronic Image Stabilization (EIS) technology
- Support for intelligent target tracking technology
- Support for 3D pattern technology in zoom and focus



Camera	
Image Sensor	5MP Starlight (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex A7@900MHz
Lens	32X Optical Lens (4.8~154mm) (F-Stop F1.5~F3.8)
Resolution	2592*1944 (5MP)
Available IR Range	150~160 m Smart IR 4pcs Array
D/N Filter	IR Cut Filter Switch (ICR)
Min illumination	Color: 0.005 Lux(AGC on)-B/W: 0.0005 Lux(IR ON)
PTZ	Pan Range: 360° Endless - Pan Speed: 0.1°~150°/S Tilt Range: -15°~90° Auto Flip - Tilt Speed: 1.8°~75°/S Number of Preset: 255 - Patrol: 32 - Pattern: 8 - Park Action: Yes
Night Vision	Starlight
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Image Stabilization	Yes (EIS)
Digital Zoom	16X
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Setting	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP(2592*1944) , 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Code Rate: 32Kbps-16mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR

Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Auto Track	Yes
3D Position/3D Zoom	Yes
Intelligent Function	14 Smart Function Line Crossing Detection, Area Intrusion, Region Entrance, Region Exiting, Unattended Object, Object Missing, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, Audio Exception Detection, Crossing Line Statistics
Interface	
Network	RJ45(10/100mbps) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	N/A
Alarm	Alarm Out, Alarm In
CVBS	N/A
Power	PoE LAN, DC/AC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Cover Lens	Nano Glass
Power Supply	DC36 V ± 25% (3A Max)
POE Supply	IEEE802.3at-Max 25 Watt
Web Language	English, Arabic
Dimension	423*289 mm
Weight	7 kg
Case Size	5"
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-40°C ~ +70°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)

IP CAMERA

A Review of Technology



Smart Molybdenum Series

DI-D15SM50F-i30TSMU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Blurred Detection
- Scene Change Detection
- Fast Moving
- Loitering Detection
- Audio Exception Detection
- Smart People Counting
- Crowd Density Monitoring

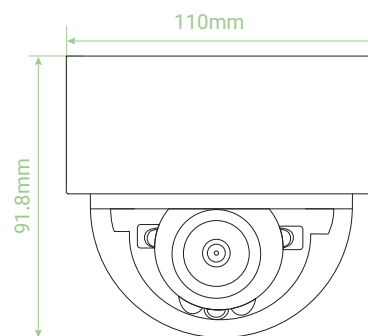
 YEARS
GOLD
GUARANTEE


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	5MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6
Resolution	3072*1728 (5MP)
Available IR Range	30~40 m Smart IR SMD Technology (3 pcs IR SMD) 20 m Warm Light Technology (3 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 Lux (AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 92°, V-FOV: 47°, D-FOV: 110°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP(3072*1728) , 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	iOS, Android Phone & Tablet

Function	
Recording	FTP,NAS, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	11 Smart Function
	Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Blurred Detection, Scene Change Detection, Fast Moving, Loitering Detection, Audio Exception Detection, Smart People Counting, Crowd Density Monitoring
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 8.5 Watt
Web Language	English, Arabic
Dimension	110*91.8 mm
Weight	852g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D25SM60A-i50TSMU

Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Blurred Detection
- Scene Change Detection
- Face Detection

YEARS
GOLD
GUARANTEE

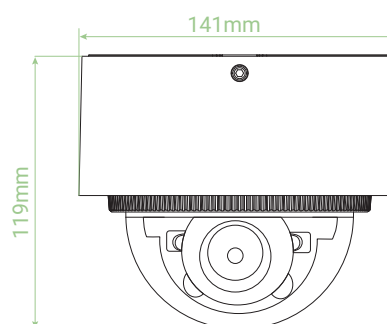


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 / IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	6MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.6, Motorized Fast Auto Focus Lens
Resolution	3296*1856 (6MP)
Available IR Range	50~60 m Smart IR SMD Technology (2pcs IR SMD) 30~40 m Warm Light Technology (2 pcs Warm Light) Dual Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.006 lux(AGC on) - B/W: 0.0 Lux(IR on)(Warm Light On)
Angle of View	H-FOV: 112°~35.5°, V-FOV: 59°~20°, D-FOV: 134°~41°
Night Vision	Dual Light Technology
Active Deterrence	
Red/Blue Light Warning	N/A
Sound Warning	N/A
Picture Adjust	
Picture Function	120dB WDR, 3D DNR, BLC, HLC, ROI, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 6MP(3296*1856), 30fps@ 5MP, 30fps@ 5MP, 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:16 Kbps~13368Mbps)
Network	
Protocols	TCP/IP(V4, V6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast

Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet
Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Intelligent Function	7 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Blurred Detection, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (512Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 8.5 Watt
Web Language	English, Arabic
Dimension	141*119 mm
Weight	1360 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B35SM50F-i40TSMU

Dual Light



Smart Functions

- Line Crossing
- Area intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- Blurred Detection
- Scene Change Detection
- Audio exception Detection
- Face Detection
- Smart People Counting
- Crowd Density Monitoring

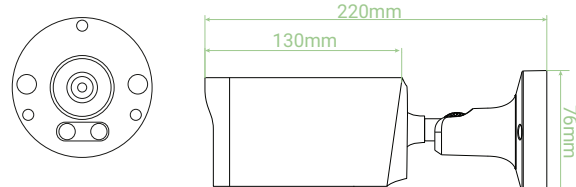
YEARS
GOLD
GUARANTEE



- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	5MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6
Resolution	3072*1728 (5MP)
Available IR Range	40~50 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.006 lux (AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 92°, V-FOV: 47°, D-FOV: 110°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) MPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP (3072*1728) , 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP,NAS, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	12 Smart Function
	Line crossing, Area intrusion, Region Entrance, Region Exiting , Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Face Detection, Smart People Counting, Crowd Density Monitoring
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	220*76 mm
Weight	980 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B45SM50A-i50TSL

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection
- Crossing Line Statistics
- Blurred Detection

YEARS
GOLD
GUARANTEE

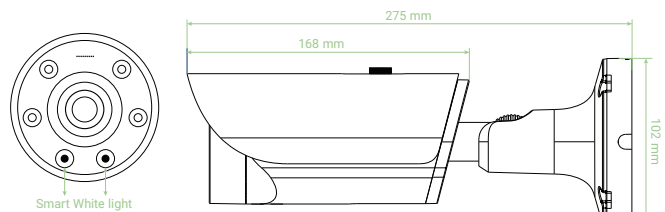


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	5MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.6, Motorized Fast Auto Focus Lens
Resolution	2592*1944 (5MP)
Available IR Range	50~60 m Smart IR SMD (Osram-Germany) Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min Illumination	Color: 0.001 Lux (AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 94°~34°, V-FOV: 69°~24°, D-FOV: 103°~39°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP (2592*1944) , 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~8 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Motion Detection, Video Shelter
Intelligent Function	8 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Face Detection, Crossing Line Statistics, Blurred Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	N/A
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
IP Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 11 Watt
Web Language	English, Arabic
Dimension	275*102 mm
Weight	1.2 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B45SM50F-i50TSL

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection
- Crossing Line Statistics
- Blurred Detection

YEARS
GOLD
GUARANTEE

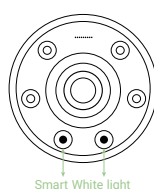


• 5 years unconditional Gold Warranty by DFS

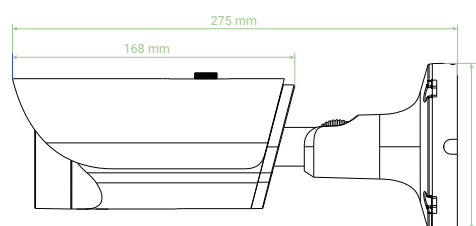
• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Smart White light



Camera	
Image Sensor	5MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6
Resolution	2592*1944 (5MP)
Available IR Range	50~60 m Smart IR SMD (Osram-Germany) Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min Illumination	Color: 0.001 Lux (AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 82°, V-FOV: 58°, D-FOV: 95°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP(2592*1944) , 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~8 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Motion Detection, Video Shelter
Intelligent Function	8 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Face Detection, Crossing Line Statistics, Blurred Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	N/A
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
IP Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 11 Watt
Web Language	English, Arabic
Dimension	275*102*168 mm
Weight	1.2 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B55SM50A-i70TSLM

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection
- Crossing Line Statistics
- Blurred Detection

YEARS
GOLD
GUARANTEE

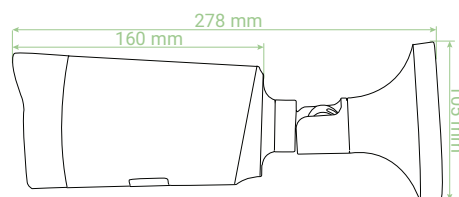
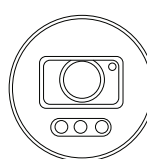


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	5MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.6, Motorized Fast Auto Focus Lens
Resolution	2592*1944 (5MP)
Available IR Range	70~80 m Smart IR SMD Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 Lux (AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 94°~34°, V-FOV: 69°~24°, D-FOV: 103°~39°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/10.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP (2592*1944) , 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NAS, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	8 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Face Detection, Crossing Line Statistics, Blurred Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 13 Watt
Web Language	English, Arabic
Dimension	278*105 mm
Weight	1.4 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B35SM80F-i40TSMU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection
- Blurred Detection
- Audio exception Detection
- Scene Change Detection
- Audio Exceptions
- Smart People Counting
- Crowd Density Monitoring

YEARS
GOLD
GUARANTEE

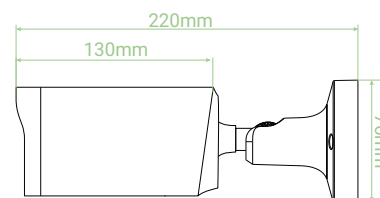
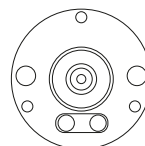


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	8MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.0
Resolution	3840*2160 (8MP)
Available IR Range	40~50 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.001 Lux(AGC on) - B/W: 0.0 Lux(IR on)(Warm Light on)
Angle of View	H-FOV: 89°, V-FOV: 47°, D-FOV: 90°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 8MP (3840*2160), 20fps@ 6MP, 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~13 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP,NAS, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	12 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Face Detection, Blurred Detection, Audio exception Detection, Scene Change Detection, Audio Exceptions, Smart People Counting, Crowd Density Monitoring
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 11 Watt
Web Language	English, Arabic
Dimension	220*76 mm
Weight	1.2 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

E806

DI-B45SM80F-i50TSL

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection
- Crossing Line Statistics
- Blurred Detection

YEARS
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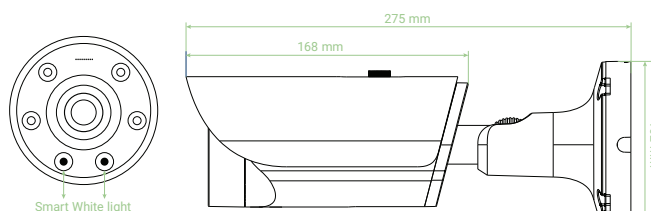


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 /IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas
- Supports Emergency recording (ANR)



Camera	
Image Sensor	8MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6
Resolution	3840*2160 (8MP)
Available IR Range	50~60 m Smart IR SMD (Osram-Germany) Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min Illumination	Color: 0.001 Lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 89°, V-FOV: 47°, D-FOV: 90°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 8MP (3840*2160), 20fps@ 6MP, 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~13 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Motion Detection, Video Shelter
Intelligent Function	8 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Face Detection, Crossing Line Statistics, Blurred Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	N/A
Alarm	Alarm In, Alarm Out
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
IP Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 11 Watt
Web Language	English, Arabic
Dimension	275*102 mm
Weight	1.2 Kg
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

IP CAMERA

A Review of Technology



Light Molybdenum Series

DI-P00LM20F-SM



Other advantages

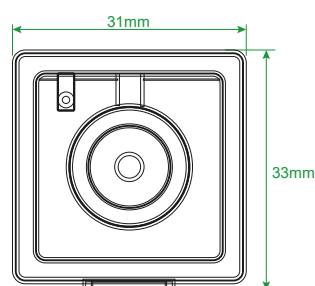
- Supports Micro-SD cards up to 128GB
- Supports H.264 / H.265
- Supports ONVIF version 2.6
- Features WDR, BLC, HLC and Defog

YEARS
GOLD
GUARANTEE



• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability



Camera	
Image Sensor	2MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6
Resolution	1920*1080 (2MP)
Available IR Range	N/A
D/N Filter	Yes-Image Algorithm
Min illumination	Color: 0.01 Lux (AGC on) - B/W: 0.001 Lux(AGC on)
Angle of View	H-FOV: 96° , V-FOV: 79° , D-FOV: 110°
Night Vision	Super Starlight Technology
Picture Adjust	
Picture Function	120dB WDR, DWDR, BLC, HLC, Defog, ROI
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264, H.265
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 2MP(1920*1080) , 30fps@ 960P
Transmission Stream	Triple Stream (Code Rate: 128 kbps-8 mbps)
Network	
Protocols	HTTPS, HTTP, TCP/IP V4-V6 , RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, NAT
Compatibility	Onvif Ver2.6 , Profile S, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer

Function	
Recording	FTP, NVR, CMS,VMS, SD Card
Record Type	Manual, Motion Detection, Schedule
Alarm Triggers	N/A
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Motion Detection, Video Shelter
Intelligent Function	N/A
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	Alarm Out, Alarm In
CVBS	Yes
Power	DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (128 Gb Max)
General	
Protection Rating	IP44
Power Supply	DC12 V ± 25% (1A Max)
POE Supply	N/A
Web Language	English, Arabic
Dimension	31*33*33 mm
Weight	170 g
Operation Humidity	Max Up to 90%RH(Non Condensing)
Operation Temp	-35°C ~ +65°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)

DI-P01LM20F-SM



Other advantages

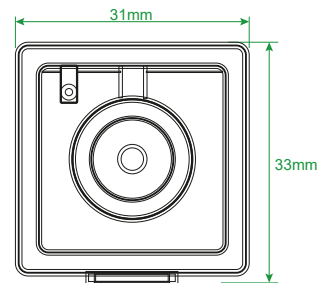
- Supports Micro-SD cards up to 128GB
- Supports H.264 / H.265
- Supports ONVIF version 2.6
- Features WDR, BLC, HLC and Defog

YEARS
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• 6 years warranty on image quality stability



Camera	
Image Sensor	2MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.6
Resolution	1920*1080 (2MP)
Available IR Range	N/A
D/N Filter	Yes-Image Algorithm
Min illumination	Color: 0.01 Lux (AGC on) - B/W: 0.001 Lux(AGC on)
Angle of View	H-FOV: 96° , V-FOV: 79° , D-FOV: 110°
Night Vision	Super Starlight Technology
Picture Adjust	
Picture Function	120dB WDR, DWDR, BLC, HLC, Defog, ROI
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264, H.265
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 2MP(1920*1080) , 30fps@ 960P
Transmission Stream	Triple Stream (Code Rate: 128 kbps- 8 mbps)
Network	
Protocols	HTTPS, HTTP, TCP/IP V4-V6 , RTSP, UDP, NTP, DHCP,DDNS, FTP, SNMP-V1-V2-V3, NAT
Compatibility	Onvif Ver2.6 , Profile S, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer

Function	
Recording	FTP, NVR, CMS,VMS, SD Card
Record Type	Manual, Motion Detection, Schedule
Alarm Triggers	N/A
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Motion Detection, Video Shelter
Intelligent Function	N/A
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (128 Gb Max)
General	
Protection Rating	IP44
Power Supply	DC12 V ± 25% (1A Max)
POE Supply	IEEE802.3af - Max 2 Watt
Web Language	English, Arabic
Dimension	31*33*33 mm
Weight	170 g
Operation Humidity	Max Up to 90%RH(Non Condensing)
Operation Temp	-35°C ~ +65°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DI-S500LM40Z38-i600TSW

Other advantages

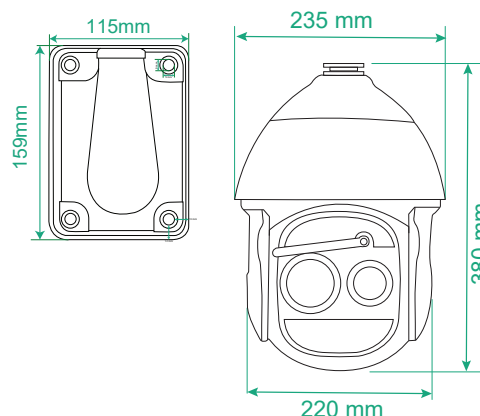
- Supports Micro-SD cards up to 128GB
- Waterproof and dustproof body with IP67 rating
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas

YEARS
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• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability



Camera	
Image Sensor	4MP Super Starlight (Sony-Japan) Progressive scan Cmos Sensor (1/1.8")
CPU	Dual-Core ARM Cortex-A7@900MHz
Lens	38X Optical Lens (6-8~260 mm) (F-Stop F1.5~F4.8)
Resolution	2688*1520 (4MP)
Available IR Range	600 m Smart Optical Laser IR Technology
D/N Filter	IR Cut Filter Switch (ICR)
Min illumination	Color: 0.0001 Lux (AGC on) - B/W: 0.0 Lux(IR on)
PTZ	Pan Range: 360° Endless - Pan Speed: 0.1~240°/S Tilt Range: -10°~100° - Tilt Speed: 0.1~180°/S Number of Preset: 255 - Patrol: 4 - Pattern: 8 - Park Action: Yes
Night Vision	Super Starlight Technology
Picture Adjust	
Picture Function	120dB WDR , DWD, BLC, HLC, Ofog, ROI
Image Stabilization	Yes(DIS)
Optical Defog	Yes
Digital Zoom	16X
Shutter Speed	Manual (1/3 ~ 1/100,000), Auto
Image Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
Image Setting	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@(2688*1520)
Transmission Stream	Triple Stream (Code Rate: 128kbps-16mbps)
Network	
Protocols	HTTPS, HTTP, TCP/IP V4-V6 , ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, Multi Cast
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer

Function	
Recording	FTP, NVR, CMS,VMS, SD Card
Record Type	Manual, Motion Detection, Schedule
Alarm Triggers	N/A
Event Action	Email, PTZ, Snapshot, Recording, Alarm Out
Event	Motion Detection, Video Shelter
Intelligent Function	N/A
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
Audio	Audio Out, Audio In
Alarm	Alarm Out, Alarm In
CVBS	N/A
Power	PoE LAN, DC/AC In
Reset Button	N/A
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (128 Gb Max)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Cover Lens	Nano Glass
Wiper	Yes
Power Supply	AC24 V ± 25% (4A Max)
POE Supply	IEEE802.3at-Max 30 Watt
Web Language	English, Arabic
Dimension	380*235 mm
Weight	8 kg
Case Size	8"
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-40°C ~ +70°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DI-AXZ100LM20A-TS

Explosion Proof



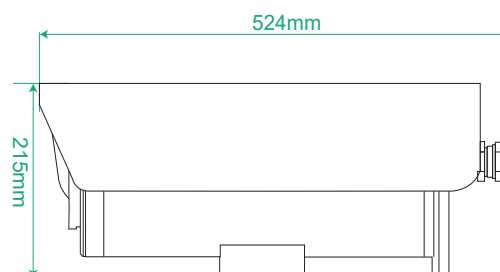
Other advantages

- Waterproof and dustproof body with IP68 rating
- Impact-resistant body with IK10 standard
- Explosion-proof
- Body material: Stainless steel
- Mount material: Stainless steel 304 or 316
- Glass material: Quartz, resistant to high temperatures
- Support for H.264 / H.265 / MJPEG
- Support for ONVIF
- Features WDR, BLC, HLC, Defog
- The case of this product can also be ordered without the module

YEARS
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• 6 years warranty on image quality stability



Camera	
Image Sensor	2MP Progressive scan Cmos Sensor (1/2.7")
Lens Mount	N/A
Lens	2.8~12 mm Motorized
Resolution	1920x1080 (2MP)
Angle of View	H-FOV: 112°~28°, V-FOV: 60°~15°, D-FOV: 146°~33°
Available IR Range	N/A
D/N Filter	IR Cut Filter Switch (ICR)
Min illumination	Color: 0.01 Lux(AGC on) - B/W: 0.0 Lux(F1.6, AGC ON)
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR, BLC, HLC, ROI, 2D/3D DNR
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.265, H.264, MJPEG
Audio Compression	G.711A, G.722.1, G.7226, MP2L2
Frame Rate(60Hz)	30fps@(1920x1080), 30fps@(1280x960), 30fps@(1280x720)
Transmission Stream	Triple Stream (Code Rate: 32kbps-8mbps)
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, QoS
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Web Viewer	Multi Browser
Function	
Recording	FTP, NVR, CMS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	Motion Detection
Event Action	N/A
Intelligent Function	N/A

Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
Audio	1 x Audio Out, 1 x Audio In (Optional)
Alarm	1 x Alarm Out, 2 x Alarm In (Optional)
CVBS	YES (Optional)
Power	PoE LAN / Power IN
Control	1 x RS485 (Optional)
Memory Slot	Yes - Micro SD Slot (256 Gb Max) (Optional)
Camera Housing Box	
Type	Explosion Proof
IP Rating	IP68, IK10, EX Protection, 6KV Surge Protection
Housing	Stainless Steel 304 (optional 316L)
Cooling Water	N/A
Cooling Air	N/A
Sun-Shield	YES / (Optional)
Bracket	YES / Stainless Steel 304 / 2.5 Kg / Wall or poll
EX Flexible Tube	YES / Explosion Proof Cable / 1500 mm
EX Cable Gland	YES / Explosion Proof Cable Gland
General	
Power Supply	DC24V, AC24V, AC220V
POE Supply	IEEE802.3bt-Max 60 Watt
Web Language	English
Dimension	524*215 mm
Package Weight	12.5 kg
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-48°C ~ +60°C
Certificate Of Case	
Certificate Mark	EX IIC T6 GB / EXT D A21 IP68 T80°C
Certificate Number	CNEX16-2708
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)

DI-AXWZ106LM20A

Explosion Proof



Other advantages

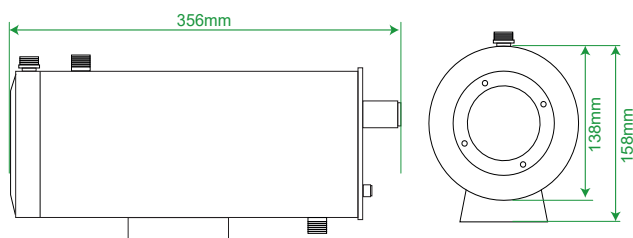
- Waterproof and dustproof body with IP68 rating
- Impact-resistant body with IK10 standard
- Explosion-proof
- Body material: Stainless steel
- Compatible with air and water pressure systems for body cooling
- Mount material: Stainless steel 304 or 316
- Glass material: Quartz, resistant to high temperatures
- Support for H.264 / H.265 / MJPEG
- Support for ONVIF
- Features WDR, BLC, HLC, Defog
- The case of this product can also be ordered without the module

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• 6 years warranty on image quality stability



Camera	
Image Sensor	2MP Progressive scan Cmos Sensor (1/2.7")
Lens Mount	N/A
Lens	2.8~12 mm Motorized
Resolution	1920x1080 (2MP)
Angle of View	H-FOV: 112°~28° , V-FOV: 60°~15° , D-FOV: 146°~33°
Available IR Range	N/A
D/N Filter	IR Cut Filter Switch (ICR)
Min illumination	Color: 0.01 Lux (AGC on) - B/W: 0.0 Lux(F1.6, AGC ON)
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR, BLC, HLC, ROI, 2D/3D DNR
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.265, H.264, MJPEG
Audio Compression	G.711A, G.722.1, G.7226, MP2L2
Frame Rate(60Hz)	30fps@1920x1080 , 30fps@1280x960, 30fps@1280x720
Transmission Stream	Triple Stream (Code Rate: 32kbps-8mbps)
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, QoS
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Web Viewer	Multi Browser
Function	
Recording	FTP, NVR, CMS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	Motion Detection
Event Action	N/A
Intelligent Function	N/A

Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
Audio	N/A
Alarm	N/A
CVBS	N/A
Power	PoE LAN / Power IN
Control	1 x RS485 (Optional)
Memory Slot	N/A
Camera Housing Box	
Type	Explosion Proof
IP Rating	IP68, IK10, EX Protection, 6KV Surge Protection
Housing	Stainless Steel 304 (optional 316L)
Cooling Water	YES / Circulate Running Water (Optional)
Cooling Air	N/A
Sun-Shield	YES / (Optional)
Bracket	YES / Stainless Steel 304 / 2.5 Kg / Wall or poll
EX Flexible Tube	YES / Explosion Proof Cable / 1500 mm
EX Cable Gland	YES / Explosion Proof Cable Gland
General	
Power Supply	DC24V, AC24V, AC220V
POE Supply	IEEE802.3at/af-Max 30 Watt
Web Language	English
Dimension	356*158 mm
Package Weight	9 kg
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-48°C ~ +80°C
Certificate Of Case	
Certificate Mark	EX IIC T6 GB / EXT D A21 IP68 T80°C
Certificate Number	CNEx16-2708
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

CWT-10L



Other advantages

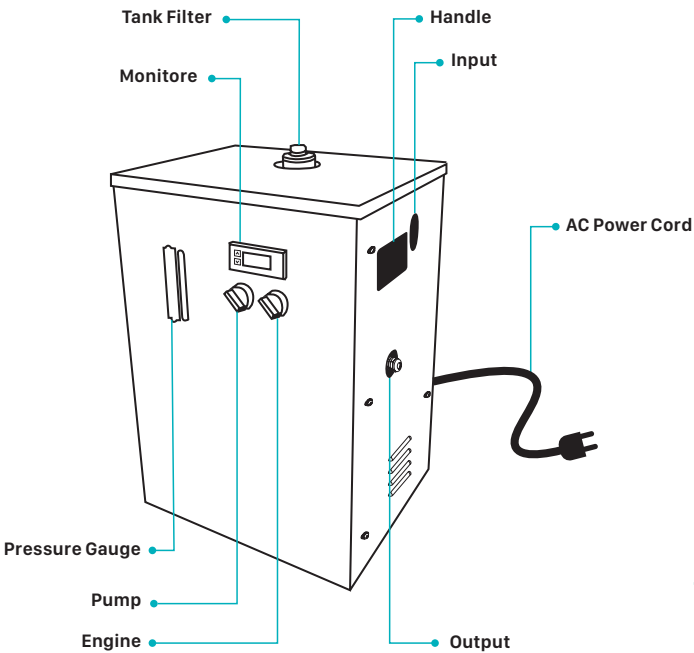
- Advanced cooling for optimal performance
- Rapid cooling with coolant fluid
- Low-noise, ideal for sensitive environments
- Protection for sensors and lenses
- Compatible with industrial and professional camera housings with water circulation capability
- Stainless steel body
- Easy installation and customizable

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- 6 years warranty on image quality stability



CWT-10L	
General	
Material	Stainless steel 304
tank Capacity	10L
Fluid Type	Water
Water spray form	Atomizing
Voltage	AC220V
pump Type	high Presure Diaphragm Pump
Mounting	Wall, Pole mounted
Dimension	730*420*320mm
Weight	17.5kg without water
High Pressure Diaphragm Pump	
Max Flow	0.13 GMP (300ml/min)
Max Pressure	70PSI (0.48MPa)



DI-T37LM05F-S

Thermal



Other advantages

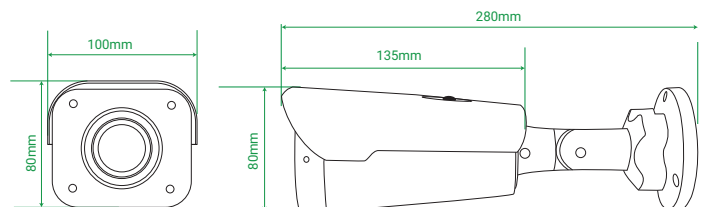
- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Supports H.264+ / H.265
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI up to 8 areas

YEARS
GOLD
GUARANTEE



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• 6 years warranty on image quality stability



Camera	
Detector Type	Uncooled VOx
Array Pixel	640*512
Pixel Pitch	17um
Lens	37mm Fixed @F1.1
field Of View	16.8°- 12.8°
Picture Function	
Effective Distance	Vehicle (2.3*2.3m): Detection 3300m Recognition 830m, Identification: 420m Human (1.85*0.5m): Detection 1400m, recognition 350m, Identification: 180m
Image Stabilization	Support Electronic Image Stabilization
Digital Zoom	16X
Electrical Zoom	4X
Video / Audio	
Frame Rate(50Hz)	25fps@640x480
Network	
Protocols	HTTP, TCP/IP V4, RTSP, NTP
Compatibility	Onvif, Ver2.6
Web Viewer	Internet Explorer
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port

Audio	N/A
Alarm	1/1
CVBS	N/A
Power	DC In
Control	1*RS422
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max)
General	
IP Rating	IP66
Wiper	Yes
Power Supply	AC24V ± 15%
Power Consumption	60W(Normal Work Under Normal Temperation)
POE Supply	N/A
Web Language	English
Dimension	280*80 mm
Weight	1.4 kg
Operation Humidity	Max Up to 95%RH(Non Condensing)
Operation Temp	-40°C ~ +60°C
Storage Temp	-45°C ~ +70°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)

DI-TDV430LM20A-SW

Thermal Vision



Other advantages

- Multi-Spectrum Imaging: Features an 8MP dual-lens system (Thermal + Visible) with an integrated Laser illuminator for clear identification in any condition.
- Long-Range PTZ: Provides complete situational awareness with 360° pan, 180° tilt, and a powerful 40x optical zoom for precise long-distance monitoring.
- AI-Powered Analytics: Onboard AI delivers real-time intrusion detection, target classification, and auto-tracking of humans, vehicles, and other ground, aerial, and maritime objects.
- Active Deterrence: Proactively prevents threats with an integrated high-intensity strobe light and powerful audible alarm.

YEARS
GOLD
GUARANTEE

- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability



Visible Camera	
Sensor	Star Level CMOS, Integrated ICR Dual Filter D/N Switch (1/2.8")
Resolution	3840x2160 (8MP)
Frame Rate	60@fps
Transmission Stream	16Kbps~32Mbps. 60Hz
Min. Illumination	0.0005Lux (Color), 0.0001Lux (B,W)
Visible Lens	
Optical Lens	8~320mm 40X
Image Stabilization	Support
Defog	Support
Focus Control	Manual,Auto
Digital Zoom	16X
Thermal Sensor	
Sensor	5th generation uncooled FPA sensor
Resolution	640x512
Frame Rate	25@fps
Pixel Size	12μm
NETD	≤45mK
Spectral Range	7.5-14 μm, MWIR
Thermal Lens	
Focal length	25-75mm Zoom
FOV (288°384)	10.6°×7.9°~3.5°×2.6°
FOV (512°640)	17.7°×14.4°~5.9°×4.7°
Angular radian	0.48°~0.16mrad
Digital Zoom	1~8X continuous zoom (step 0.1)
Effective Distance (DRI)	
(2.3m*2.3) Vehicle	Detection: 6.3km; Recognition: 1.8km; Identification: 0.9km
(0.6m*1.8) Human	Detection: 2.5km; Recognition: 0.7km; Identification: 0.35km
Fire Detection	4km (3km for 2*2m Fire)
IVS Range	2.3km for Vehicle; 0.8m for Human
Laser	
Effective Length	600m
Image	
Enhance	Stable operational temperature without TEC, starting time less than 4 seconds
ROI	8 Areas
SDE	Support SDE digital image processing
Pseudo Color	16 pseudo color and B,W, B,W inverse
AGC	Support
Ranging Ruler	Support
Angle	3~65°

Enhance	
Strong Light Protect	Support
Temp Correction	Thermal imaging clarity is not affected by temperature.
Scene mode	Support multi-configuration scenarios, adapt to different environment
Lens Servo	Support lens preset, focal length return and focal length location.
Azimuth Information	support angle real-time return and positioning; azimuth video overlay real-time display.
Parameter Setting	OSD Menu Remote Call Operations-
Diagnostic Functions	Disconnection alarm, support IP conflict alarm, support illegal access alarm (illegal access times, lock time can be set), support SD card abnormal alarm (SD space is insufficient, SD card error, no SD card), video masking alarm, anti-sun damage
Life Index Recording	Working time, shutter times, ambient temperature, core device temperature
Intelligent	
Fire Detection	threshold 255 levels, targets 1-16 can be set, hot spot tracking
AI Analysis	support intrusion detection, boundary crossing detection, entering,leaving area detection, motion detection, wandering detection, people gathering, fast moving, target tracking, items left behind, items taken; people,vehicle target detection, face detection; and support 16 area settings; support intrusion detection people, vehicle filtering function; support target temperature filtering Single,multi scene tracking; panoramic tracking; alarm linkage tracking
Auto-tracking	Single,multi scene tracking; panoramic tracking; alarm linkage tracking
AR Fusion	512 AR intelligent information fusion
Image fusion	Support 18 kinds of double light fusion mode, support picture-in-picture function
PTZ	
Patrol	Support 16 cruise routes, each can support 256 preset positions
Rotation	Pan: 0-360°, tilt: -90°~+90°
Speed	Pan: 0.01~100°,5 (max 200°,S), Tilt: 0.01~80°,5
Day/Night Patrol	1-40 preset for day; 41-80 preset for night
Preset	3000
Enhance	Fan,Wiper,Heater attached
Watch function	preset bit,pattern,cruise,vertical,frame,panorama,apple skin,sweep line scan

DI-TDV430LM20A-SW

Thermal Vision



Other advantages

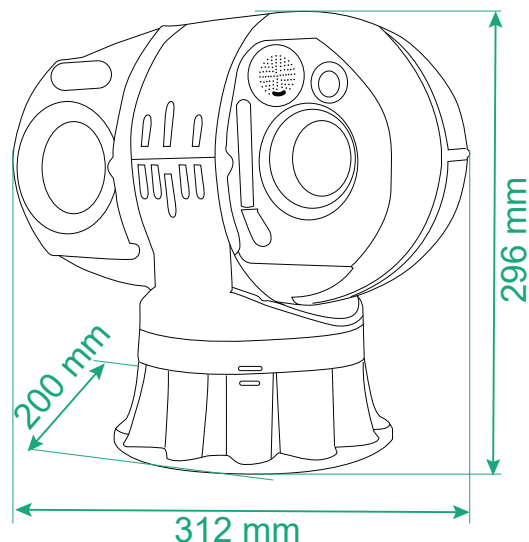
Engineered for continuous and reliable operation in harsh conditions, the industrial-grade, NEMA-rated aluminum alloy body provides superior resistance to dust, rain, strong winds, and chemical corrosion, making it ideal for any outdoor or challenging industrial environment.

YEARS
GOLD
GUARANTEE

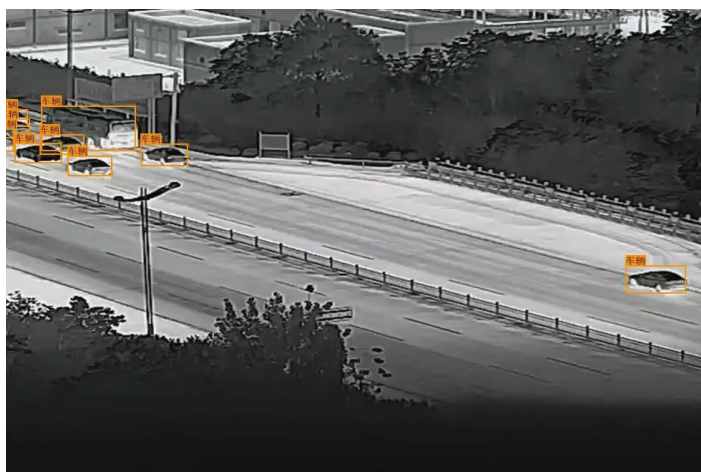
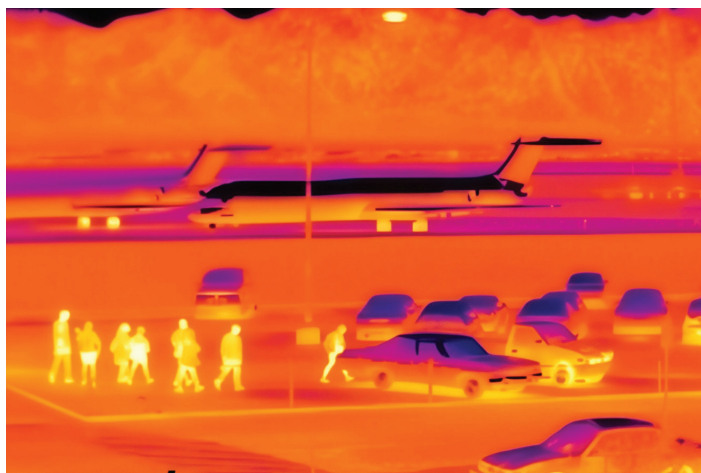


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability



Safety Control	
Illegal access alarm	Lock time can be set or illegal access.
User management	Three levels of user rights: administrator, operator, and normal user.
Security Mode	Support IP whitelist and blacklist, MAC whitelist and blacklist.
Mis-login lockout	User mis-login lockout
Audio	
Record Rate	32Kbps 16Mbps
Audio encoding	G.711A, G.711U, G726
Interface	
Ethernet	RS-485 (PELCO D protocol, baud rate 2400bps), RS-232 (option), RJ45
Protocol	IPv4, IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP
Video Output	PAL, NTSC
Power	DC24V
Compression	H.265, H.264
Environmental	
Operate Temp	-25°C~+55°C
Storage Temp	-35°C~+75°C
Humidity	<90%
Ingress Protect	IP67
Housing	PTA three-resistance coating, Seawater corrosion resistance, Aviation waterproof plug
Anti-fog/salty	PH 6.5-7.2
Power	60 (Peak); 40W normal work
Weight	10kg
Size	312mm×200mm×296mm (LxWxH)
Mounting	Front, side, wall, hanging, vehicle, tripod pro-rack
Optional Function	
4G	4G module
LRF	Up to 1km
Absorber Platform	Vehicle use shake-absolve platform
GPS	Accuracy: <2.5m; Autonomous 50%: <2m (SBAS)



IP CAMERA

A R e v i e w o f T e c h n o l o g y



Smart Ecoline Series

DI-L35SE20F-SMC

LPC

Full Color



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving

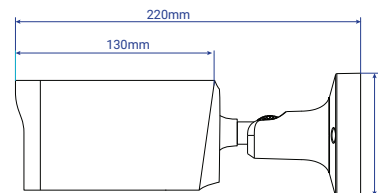
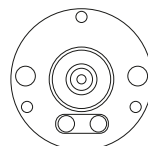
YEARS
GOLD
GUARANTEE


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67/ IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)
- Accurate license plate recognition of vehicles at high speeds and in challenging conditions (night, rain, fog)



Camera	
Image Sensor	2MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex
Lens	12 mm Fixed Lens @F2.0
Resolution	1920*1080 (2MP)
Available IR Range	40 m Warm Light Technology (2 pcs Warm Light)
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.008 lux(AGC on) -B/W: 0.0 Lux(IR on)(Warm Light On)
Angle of View	H-FOV: 26°, V-FOV: 39°, D-FOV: 54°
Night Vision	Full Color
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 56dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 2MP(1920*1080)
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~8 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	5 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10, 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 10 Watt
Web Language	English, Arabic
Dimension	220*76 mm
Weight	980 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B27SE20F-i30SLM

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving

YEARS
GOLD
GUARANTEE

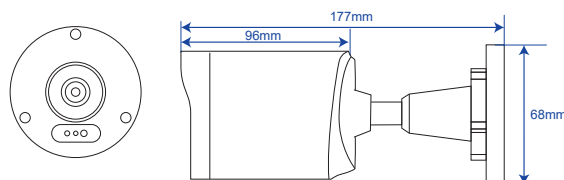


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	2MP (Sony-Japan) Progressive scan Cmos Sensor (1/2.8")
CPU	Dual-Core ARM Cortex-A9@900 MHz
Lens	3.6 mm Fixed Lens @F1.6
Resolution	1920*1080 (2MP)
Available IR Range	30~40 m Smart IR SMD Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.01 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 94°, V-FOV: 69°, D-FOV: 96°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) , MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 1080P(1920*1080), 30fps@ 960P,30fps@ 720P
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~8 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1,v2,v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	5 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving.
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 6 Watt
Web Language	English, Arabic
Dimension	177*68 mm
Weight	415 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B27SE50F-i30SMU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection

YEARS
GOLD
GUARANTEE

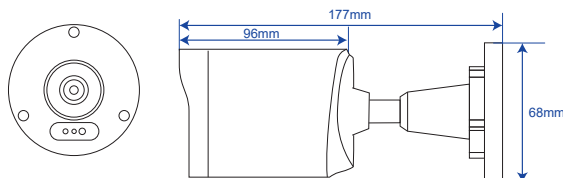


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	5MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.0
Resolution	2880*1620 (5MP)
Available IR Range	30~40 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.003 lux (AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 91°, V-FOV: 50°, D-FOV: 106°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) , MJPEG
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP (2880*1620) , 30fps@ 3MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	6 Smart Function Line Crossing Detection, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 6 Watt
Web Language	English, Arabic
Dimension	177*68
Weight	415 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B27SE50F-i30SMPUR

Active Deterrence



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting

YEARS
GOLD
GUARANTEE

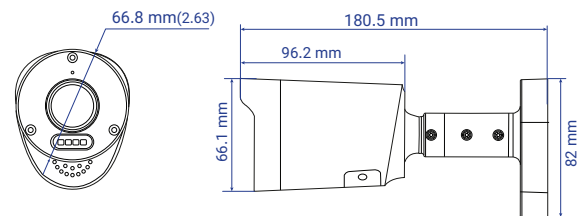


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	SMP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.6
Resolution	2880*1620 (SMP)
Available IR Range	30~40 m Smart IR SMD Technology (1pcs IR SMD) 20 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.003 lux (AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 110°, V-FOV: 60°, D-FOV: 132°
Night Vision	Dual Light Technology
Active Deterrence	
Red/Blue Light Warning	Flash: 5 s~30 s; frequency: high/medium/low
Sound Warning	Audio 1/2/3; Volume: high/medium/low; duration: 5 s~30 s; 106 dB
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ SMP (2592*1944) , 30fps@ 3MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast

Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet
Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	4 Smart Function Line Crossing Detection, Area Intrusion, Region Entrance, Region Exiting
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic ,Internal Speaker
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 9 Watt
Web Language	English, Arabic
Dimension	180.5*82
Weight	490 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B47SE50A-i50SLM

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection

YEARS
GOLD
GUARANTEE

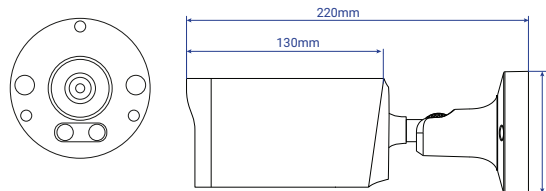


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67/IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2-6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	5MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.7~13.5 mm @F1.6, Motorized Fast Auto Focus Lens
Resolution	2880*1620 (5MP)
Available IR Range	50~60 m Smart IR SMD Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.01 lux (AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 94°, V-FOV: 69°, D-FOV: 96°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP (2592*1944) , 25fps@ 3MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	6 Smart Function Line Crossing Detection, Area Intrusion, Region Entrance, Region Exiting , Fast Moving , Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 6KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 11 Watt
Web Language	English, Arabic
Dimension	220*76 mm
Weight	450 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B27SE80F-i30SMU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Unattended Object
- Object Missing
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- People Gathering Detection
- Parking Detection
- Blurred Detection
- Scene Change Detection
- Audio Exception Detection

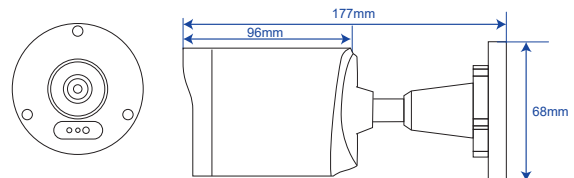
YEARS
GOLD
GUARANTEE



- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	8MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.6
Resolution	3840*2160 (8MP)
Available IR Range	30~40 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.006 lux(AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 110°, V-FOV: 58°, D-FOV: 128°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR, 2D/3D DNR, BLC, HLC, ROI, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265), MJPEG(Substream)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 8MP (3840*2160) 20fps@ 6MP, 30fps@ 5MP, 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~13 Mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS,NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	13 Smart Function
	Line Crossing Detection, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, Blurred Detection, Scene Change Detection, Audio exception Detection, Unattended Object, Object Missing, Parking Detection, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
PoE Supply	IEEE802.3af - Max 6.5 Watt
Web Language	English, Arabic
Dimension	177*68
Weight	485 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-B27SE80F-i30SMPUR

Active Deterrence



Smart Functions

- Line Crossing
- Area Intrusion
- Unattended Object
- Object Missing
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- People Gathering Detection
- Parking Detection
- Blurred Detection
- Scene Change Detection
- Audio Exception Detection
- Crossing Line Statistics

YEARS
GOLD
GUARANTEE

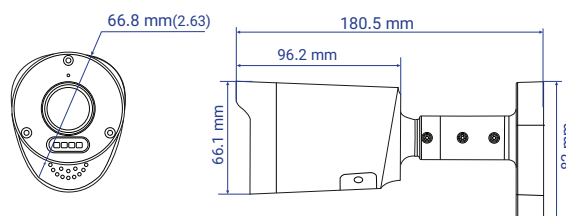


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	8MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.6
Resolution	3840*2160 (8MP)
Available IR Range	30~40 m Smart IR SMD Technology (2pcs IR SMD) 20 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.006 lux(AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 112°, V-FOV: 61°, D-FOV: 121°
Night Vision	Dual Light Technology
Active Deterrence	
Red/Blue Light Warning	Flash: 5 s~30 s; frequency: high/medium/low
Sound Warning	Audio 1/2/3; Volume: high/medium/low; duration: 5 s~30 s; 106 dB
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 8MP (3840*2160), 20fps@ 6MP, 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~13 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast

Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet
Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	14 Smart Function Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, Audio Exception Detection, Crossing Line Statistics
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic ,Internal Speaker
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 9 Watt
Web Language	English, Arabic
Dimension	180.5*82 mm
Weight	490 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D05SE50F-i15TSLM

Strobe Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection

YEARS
GOLD
GUARANTEE

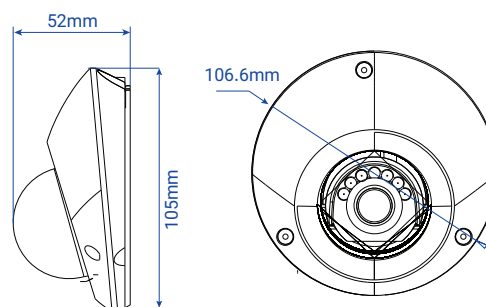


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67/IK10 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	5MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.6
Resolution	2880*1620 (5MP)
Available IR Range	15~25 m Smart IR SMD Technology Smart White light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.01 lux (AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 96°, V-FOV: 79°, D-FOV: 119°
Night Vision	Color /IR
Picture Adjust	
Picture Function	120 db WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100,000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP (2592*1944) , 30fps@ 3MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~8 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	6 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	Audio Out, Audio in
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, IK10 , 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 6 Watt
Web Language	English, Arabic
Dimension	105*52 mm
Weight	380 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

E506

DI-D17SE50F-i30SMU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection

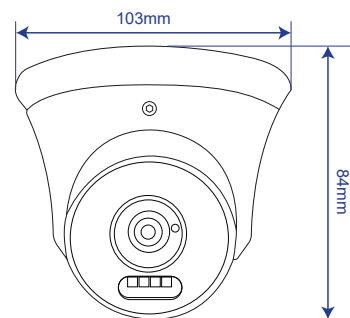
YEARS
GOLD
GUARANTEE

- 5 years unconditional Gold Warranty by DFS

- 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	5MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F1.0
Resolution	2880*1620 (5MP)
Available IR Range	30~40 m Smart IR SMD Technology (2pcs IR SMD) 30 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.003 lux (AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 91°, V-FOV: 50°, D-FOV: 106°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 5MP (2592*1944) , 30fps@ 3MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	6 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 6 Watt
Web Language	English, Arabic
Dimension	103*84 mm
Weight	450 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D17SE50F-i30SMPUR

Active Deterrence



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting

YEARS
GOLD
GUARANTEE

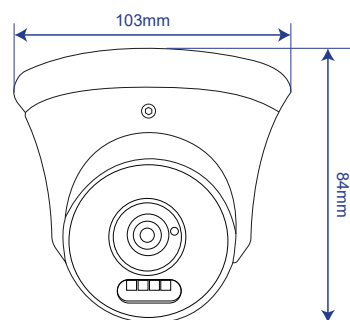


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	SMP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.6
Resolution	2880*1620 (SMP)
Available IR Range	30~40 m Smart IR SMD Technology (1pcs IR SMD) 20 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.003 lux (AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 110°, V-FOV: 60°, D-FOV: 132°
Night Vision	Red Light Technology
Active Deterrence	
Red/Blue Light Warning	Flash: 5 s~30 s; frequency: high/medium/low
Sound Warning	Audio 1/2/3; Volume: high/medium/low; duration: 5 s~30 s; 106 dB
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 5MP (2592*1944) , 30fps@ 3MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6 , Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast

Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet
Function	
Recording	FTP, NVR, CMS, VMS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	4 Smart Function Line Crossing Detection, Area Intrusion, Region Entrance, Region Exiting
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic ,Internal Speaker
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 9 Watt
Web Language	English, Arabic
Dimension	103*84 mm
Weight	450 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D17SE80F-i30SMPUR

Active Deterrence



Smart Functions

- Line Crossing
- Area Intrusion
- Unattended Object
- Object Missing
- Region Entrance
- Region Exiting
- Fast Moving
- Loitering Detection
- People Gathering Detection
- Parking Detection
- Blurred Detection
- Scene Change Detection
- Audio Exception Detection
- Face Detection

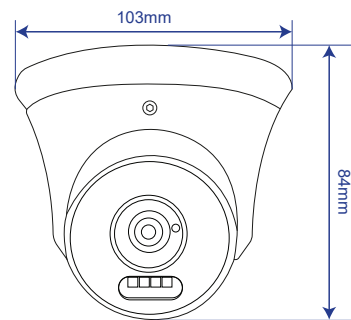
YEARS
GOLD
GUARANTEE



- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	8MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.6
Resolution	3840*2160 (8MP)
Available IR Range	30~40 m Smart IR SMD Technology (2pcs IR SMD) 20 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.006 lux(AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 112°, V-FOV: 61°, D-FOV: 121°
Night Vision	Dual Light Technology
Active Deterrence	
Red/Blue Light Warning	Flash: 5 s~30 s; frequency: high/medium/low
Sound Warning	Audio 1/2/3; Volume: high/medium/low; duration: 5 s~30 s; 106 dB
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/10.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 8MP (3840*2160), 20fps@ 6MP, 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~13 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast

Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet
Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	14 Smart Function Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, Audio Exception Detection, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic ,Internal Speaker
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 9 Watt
Web Language	English, Arabic
Dimension	103*84 mm
Weight	450 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

DI-D17SE80F-i30SMU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving
- Face Detection

YEARS
GOLD
GUARANTEE

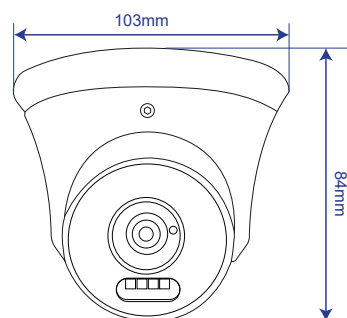


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Supports Micro-SD cards up to 256GB
- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features WDR, BLC, HLC, Defog, and ROI
- Supports Emergency recording (ANR)



Camera	
Image Sensor	8MP Progressive scan Cmos Sensor (1/2.7")
CPU	Dual-Core ARM Cortex
Lens	2.8 mm Fixed Lens @F1.6
Resolution	3840*2160 (8MP)
Available IR Range	30~40 m Smart IR SMD Technology (2pcs IR SMD) 30 m Warm Light Technology (2 pcs Warm Light) Smart Light Technology
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.006 lux(AGC on) - B/W: 0.0 Lux(IR on) (Warm Light On)
Angle of View	H-FOV: 112°, V-FOV: 61°, D-FOV: 121°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	120dB WDR/DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog, Rotate
Shutter Speed	Manual (1/3 ~ 1/10,000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 8MP (3840*2160), 20fps@ 6MP, 30fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~13 Mbps)
Network	
Protocols	TCP/IP(v4, v6), ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, SNMP (v1, v2, v3), UDP, NAT, Multicast, RTMP
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	FTP, NVR, CMS, VMS, NAS, SD Card, ANR
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	All Intelligent Function
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message, Smart Light
Event	Smart Motion Detection, Video Shelter
Intelligent Function	6 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving, Face Detection
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Reset Button	Yes (Optional)
Memory Slot	Yes - Micro SD/SDHC/SDXC Slot (256 Gb Max) (ANR Support)
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 9 Watt
Web Language	English, Arabic
Dimension	103*84 mm
Weight	450 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

IP CAMERA

A Review of Technology



Smart Light Ecoline Series

EF04

DI-B22LE20F-i30MU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion

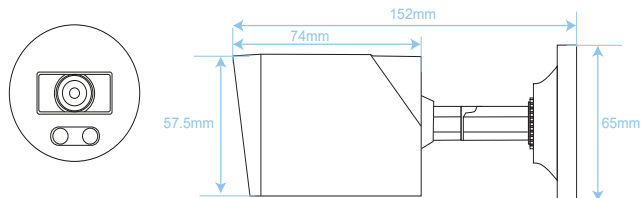
YEARS
GOLD
GUARANTEE



- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features DWDR, BLC, HLC, Defog



Camera	
Image Sensor	2MP Progressive scan Cmos Sensor (1/3")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F2.0
Resolution	1920*1080 (2MP)
Available IR Range	30~40 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (1 pcs Warm Light)
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.01 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 78°, V-FOV: 41°, D-FOV: 92°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/100.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 1080P(1920*1080), 30fps@ 960P, 30fps@ 720P
Transmission Stream	Dual Stream (Video Bit Rate:11 Kbps~8 Mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, IPV6
Compatibility	Onvif Ver2.6, Profile S, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	NVR, CMS, VMS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	N/A
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	2 Smart Function Line Crossing, Area Intrusion
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Control	N/A
Memory Slot	N/A
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 6.5 Watt
Web Language	English, Arabic
Dimension	152*65 mm
Weight	330 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

E801

DI-B22LE50F-i30MU

Dual Light



Smart Functions

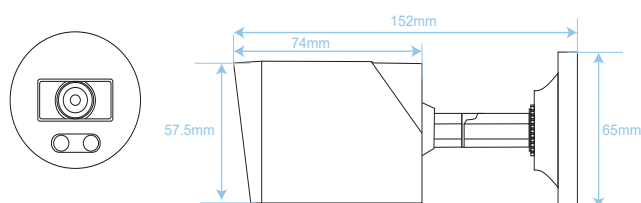
YEARS
GOLD
GUARANTEE



- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features DWDR, BLC, HLC, Defog



Camera	
Image Sensor	5MP Progressive scan Cmos Sensor (1/2.7")
CPU	Single-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F2.0
Resolution	2592*1944 (5MP)
Available IR Range	30~40 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (1 pcs Warm Light)
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.01 Lux (AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 85°, V-FOV: 44°, D-FOV: 89°
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	DWDR, BLC, HLC, Defog, ROI, Rotate
Shutter Speed	Manual (1/3 ~ 1/10.000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 5MP , 25fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, IPv6, RTMP, NAT
Compatibility	Onvif Ver2.6 , Profile S, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	NVR, CMS, VMS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	N/A
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	N/A
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Control	N/A
Memory Slot	N/A
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 6.5 Watt
Web Language	English, Arabic
Dimension	152*65 mm
Weight	365 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

E801

DI-B22LE50F-i30M

Smart Functions

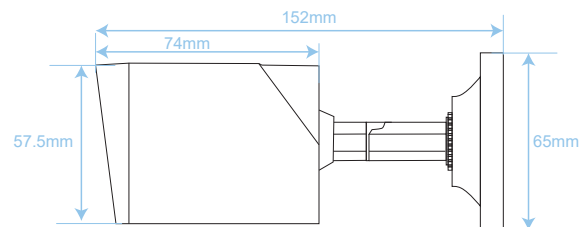
YEARS
GOLD
GUARANTEE

5

- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features DWDR, BLC, HLC, Defog



Camera	
Image Sensor	5MP Progressive scan Cmos Sensor (1/2.7")
CPU	Single-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F2.0
Resolution	2592*1944 (5MP)
Available IR Range	30~40 m Smart IR LED Technology
D/N Filter	IR cut filter with auto switch
Min Illumination	Color: 0.01 Lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 85°, V-FOV: 44°, D-FOV: 89°
Night Vision	IR
Picture Adjust	
Picture Function	DWDR, BLC, HLC, Defog, ROI, Rotate
Shutter Speed	Manual (1/3 ~ 1/10,000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	N/A
Frame Rate(60Hz)	20fps@ 5MP, 25fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, IPV6, RTMP, NAT
Compatibility	Onvif Ver2.6, Profile S, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	NVR, CMS, VMS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	N/A
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	N/A
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Control	N/A
Memory Slot	N/A
General	
IP Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 6.5 Watt
Web Language	English, Arabic
Dimension	152*65 mm
Weight	365 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

EF03

DI-D12LE20F-i30MU

Dual Light



Smart Functions

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Fast Moving

YEARS
GOLD
GUARANTEE

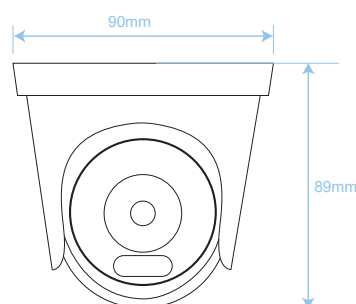


• 5 years unconditional Gold Warranty by DFS

• 6 years warranty on image quality stability

Other advantages

- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features DWDR, BLC, HLC, Defog



Camera	
Image Sensor	2MP Progressive scan Cmos Sensor (1/2.9")
CPU	Dual-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F2.0 (2.8 mm Optional)
Resolution	1920*1080 (2MP)
Available IR Range	30~40 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (1 pcs Warm Light)
D/N Filter	IR Cut Filter With Auto Switch
Min illumination	Color: 0.01 lux(AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 82°-(94°), V-FOV: 43°-(69°), D-FOV: 92°-(110°)
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	DWDR, 2D/3D DNR, BLC, HLC, ROI, Defog
Shutter Speed	Manual (1/3 ~ 1/10,000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	30fps@ 2MP(1920*1080), 30fps@ 960P, 30fps@ 720P
Transmission Stream	Dual Stream (Video Bit Rate:11 Kbps~8 Mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, UPnP-TM, P2P, Bonjour, IPV6
Compatibility	Onvif Ver2.6, Profile S, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	NVR, CMS, VMS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	N/A
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Motion Detection, Video Shelter
Intelligent Function	5 Smart Function Line Crossing, Area Intrusion, Region Entrance, Region Exiting, Fast Moving
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Control	N/A
Memory Slot	N/A
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 6.5 Watt
Web Language	English, Arabic
Dimension	90*89 mm
Weight	230 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

E801

DI-D12LE50F-i30MU

Dual Light



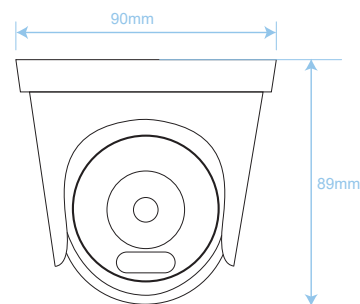
Smart Functions

5 YEARS GOLD GUARANTEE

- 5 years unconditional Gold Warranty by DFS
- 6 years warranty on image quality stability

Other advantages

- Waterproof and dustproof body with IP67 rating
- Image transmission server located in Oman
- Supports H.264+ / H.265+
- Supports ONVIF version 2.6
- Smart night vision capability
- Features DWDR, BLC, HLC



Camera	
Image Sensor	5MP Progressive scan Cmos Sensor (1/2.7")
CPU	Single-Core ARM Cortex
Lens	3.6 mm Fixed Lens @F2.0 (2.8 mm Optional)
Resolution	2592× 1944 (5MP)
Available IR Range	30~40 m Smart IR SMD Technology (1pcs IR SMD) 30 m Warm Light Technology (1 pcs Warm Light)
D/N Filter	IR cut filter with auto switch
Min illumination	Color: 0.01 Lux (AGC on) - B/W: 0.0 Lux(IR on)
Angle of View	H-FOV: 82°-(94°), V-FOV: 43°-(69°), D-FOV: 92°-(119°)
Night Vision	Dual Light Technology
Picture Adjust	
Picture Function	DWDR, 2D/3D DNR, BLC, HLC
Shutter Speed	Manual (1/3 ~ 1/10,000), Auto
Image Parameter Control	Off, On, Timing (Adjust 0 ~ 255)
D/N Control	Timing, Auto, Color on, Color off
S/N	> 52dB
Image Parameter	Saturation, Brightness, Contrast, Sharpness, Hue
Video / Audio	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265)
Audio Compression	G.711A, G.711U
Frame Rate(60Hz)	20fps@ 5MP , 25fps@ 4MP, 30fps@ 2MP
Transmission Stream	Triple Stream (Video Bit Rate:11 Kbps~10 Mbps)
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, UPnP-TM, P2P , Bonjour, IPV6, RTMP, NAT
Compatibility	Onvif Ver2.6 , Profile S, CGI, SDK, API
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Smart Device	IOS, Android Phone & Tablet

Function	
Recording	NVR, CMS, VMS
Record Type	Manual, Motion Detection, Smart Detection, Schedule
Alarm Triggers	N/A
Event Action	Email, PTZ, Snapshot, Recording, Buzzer, Pop up, Show Message
Event	Smart Motion Detection, Video Shelter
Intelligent Function	N/A
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
External Audio	N/A
Internal Audio	Internal Mic
Alarm	N/A
CVBS	N/A
Power	PoE LAN, DC In
Control	N/A
Memory Slot	N/A
General	
Protection Rating	IP67, 2KV Surge Protection
Power Supply	DC12V ± 10%
POE Supply	IEEE802.3af - Max 6.5 Watt
Web Language	English, Arabic
Dimension	90*89 mm
Weight	230 g
Operation Humidity	Humidity 95% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Guarantee	
Product Guarantee	5 Years Gold Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC, CFR

8K NETWORK VIDEO RECORDER

A Review of Technology



Neodymium Series

DN-3282NHR



Intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

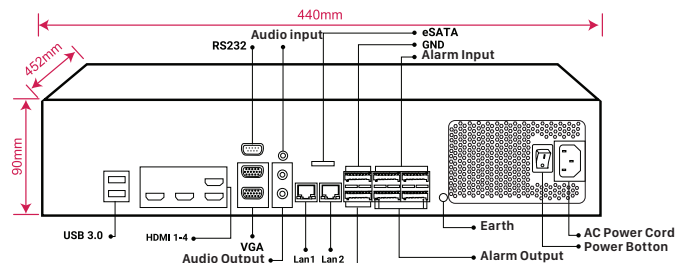
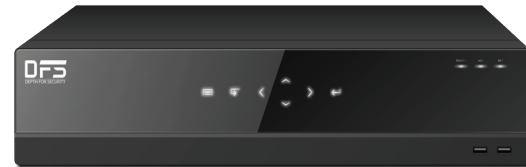
YEARS
PLATINUM
GUARANTEE

• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) and web-based management interface in Arabic and English
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- N+1 Failover support for storage redundancy
- Supports DFS network speakers
- Six independent video outputs for multi-monitor and video wall displays
- Dual 2.5GbE ports for high-throughput and network redundancy
- 1.8Gbps total bandwidth for high-volume recording and streaming
- Massive scalability with up to 176TB of total storage
- Features Hardware RAID for data protection



CPU & GPU & Capabilities		
CPU	Quad-Core ARM Cortex	
GPU	ARM Mali-G610MC4	
IP Channel Input	32CH x 8K@30fps (Up to 32MP Supported)	
Video & Audio		
Video Output Mode	4CH HDMI video output 2CH VGA Simultaneous mode max. resolution of HDMI1 is 8K max. resolution of HDMI2 HDMI4 is 4K max. resolution of VGA1 VGA2 HDMI3 is 1080P	
	Heterologous mode Simultaneous video source output for VGA1 and HDMI4, Simultaneous video source output for VGA2 and HDMI2' max. resolution of HDMI1 HDMI4 and HDMI2 is 4K max. resolution of HDMI3 is 1080P max. resolution of VGA1 and VGA2 is 1080P	
	Output 1 HDMI 7680 x 4320/30Hz, 3840 x 2160/30Hz, 1920 x 1080/60Hz	
	Output 2 HDMI 3840x 2160/30Hz,,1920 x 1080/60Hz, 1280 x 1024/60Hz	
	Output 3 HDMI 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz	
Output 4 HDMI	3840x 2160/30Hz, 1920 x 1080/60Hz, 1280 x 1024/60Hz	
Output 1 VGA	1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz	
Output 2 VGA	1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz	
Main/Secondary Screen Split	1.4.8.9.16.25.36.64 screen split	
Audio Output	2CH, RCA	
Recording		
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec	
Audio Compression	G.711A, G.711U	
Video Resolution	32MP, 16MP, 12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF	
Input Bandwidth	1024Mbps or 512 Mbps (when RAID is enabled)	
Record Mode	Manual, Schedule, Alarm, Event, Smart Event	
Failover	N+1 Hot Spare	
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec	
Playback & Backup		
Decoding Capability Sync Playback	H.265	H.264
	32CH 1080P@30fps	16CH 1080P@30fps
	16CH 4Mp@30fps	8CH 4Mp@30fps
	8CH 8Mp@30fps	4CH 8Mp@30fps
	4CH 16Mp@30fps	2CH 16Mp@30fps
	2CH 32Mp@30fps	1CH 32Mp@30fps
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function	
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support	
Backup Mode	USB Device, Network, Internal Sata Burner, Cloud Storage	

Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	800Mbps or 400 Mbps (when RAID is enabled)
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet
Hard Disk	
HDD	8 Sata HDD
Capacity	Up To 22 TB For Each HDD
Raid Support	Raid 0-1-5-10
Group HDD	Yes
External Interface	
Network	2xRJ45/ 1x2-5GE Or 2x self-adaptive Ethernet interface, (10/100/1000Mbps)+LED Indicator
4G Dongle / Wifi	Supported
USB Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 2 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16 / 8
Controller	1 x RS-485 Interface / 1 x RS-232
12V Out	1
Smart Function	
20 Smart Function	
Intelligent Function	
Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection	
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Power redundant	N/A
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 2 Unit
Dimension (WxDxH)	440*452*90 mm
Weight	7.3 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-3282NHRW



Intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

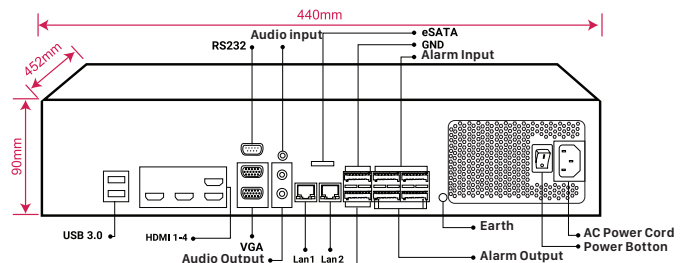
YEARS
PLATINUM
GUARANTEE

• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) and web-based management interface in Arabic and English
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- N+1 Failover support for storage redundancy
- Supports DFS network speakers
- Six independent video outputs for multi-monitor and video wall displays
- Dual 2.5GbE ports for high-throughput and network redundancy
- 1.8Gbps total bandwidth for high-volume recording and streaming
- Massive scalability with up to 176TB of total storage
- Features Hardware RAID for data protection and **hot-swappable bays** for zero-downtime maintenance



CPU & GPU & Capabilities		
CPU	Quad-Core ARM Cortex	
GPU	ARM Mali-G610MC4	
IP Channel Input	32CH x 8K@30fps (Up to 32MP Supported)	
Video & Audio		
Video Output Mode	4CH HDMI video output 2CH VGA	
	Simultaneous mode	
	max. resolution of HDMI1 is 8K	
	max. resolution of HDMI2 HDMI4 is 4K	
	max. resolution of VGA1 VGA2 HDMI3 is 1080P	
	Heterologous mode	
	Simultaneous video source output for VGA1 and HDMI4,	
	Simultaneous video source output for VGA2 and HDMI2	
	max. resolution of HDMI1 HDMI4 and HDMI2 is 4K	
	max. resolution of HDMI3 is 1080P	
	max. resolution of VGA1 and VGA2 is 1080P	
Output 1 HDMI	7680 x 4320/30Hz, 3840 x 2160/30Hz, 1920 x 1080/60Hz	
Output 2 HDMI	3840 x 2160/30Hz,,1920 x 1080/60Hz, 1280 x 1024/60Hz	
Output 3 HDMI	1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz	
Output 4 HDMI	3840 x 2160/30Hz, 1920 x 1080/60Hz, 1280 x 1024/60Hz	
Output 1 VGA	1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz	
Output 2 VGA	1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz	
Main/Secondary Screen Split	1.4.8.9.16.25.36.64 screen split	
Audio Output	2CH, RCA	
Recording		
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec	
Audio Compression	G.711A, G.711U	
Video Resolution	32MP, 16MP, 12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF	
Input Bandwidth	1024Mbps or 512 Mbps (when RAID is enabled)	
Record Mode	Manual, Schedule, Alarm, Event, Smart Event	
Failover	N+1 Hot Spare	
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec	
Playback & Backup		
Decoding Capability Sync Playback	H.265	H.264
	32CH 1080P@30fps	16CH 1080P@30fps
	16CH 4Mp@30fps	8CH 4Mp@30fps
	8CH 8Mp@30fps	4CH 8Mp@30fps
	4CH 16Mp@30fps	2CH 16Mp@30fps
Search Mode	2CH 32Mp@30fps	1CH 32Mp@30fps
	Time & Date, Motion , Alarm Input, All Smart Function	
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support	
Backup Mode	USB Device, Network, Internal Sata Burner, Cloud Storage	

Network & Monitoring	
Protocols	HTTPS, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	800Mbps or 400 Mbps (when RAID is enabled)
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet
Hard Disk	
HDD	8 Sata HDD With Cage (Hot Swap Technology)
Capacity	Up to 22 TB For Each HDD
Raid Support	Raid 0-1-5-10
Group HDD	Yes
External Interface	
Network	2xRJ45/ 1x2.5GE Or 2x self-adaptive Ethernet interface, (10/100/1000Mbps)+LED Indicator
4G Dongle / Wifi	Supported
USB Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 2 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16 / 8
Controller	1 x RS-485 Interface / 1 x RS-232
12V Out	1
Smart Function	
Intelligent Function	20 Smart Function
	Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Power redundant	N/A
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 2 Unit
Dimension (WxDxH)	440*452*90 mm
Weight	7.3 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-3282NHRWS



Intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

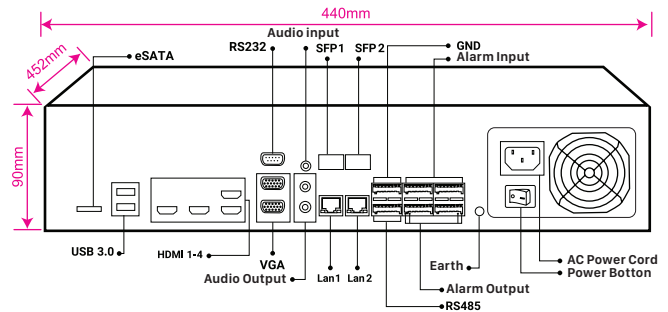


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- Massive scalability with up to 176TB of total storage
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CPU & GPU & Capabilities	
CPU	Quad-Core ARM Cortex
GPU	ARM Mali-G610MC4
IP Channel Input	32CH x 8K@30fps (Up to 32MP Supported)
Video & Audio	
Video Output Mode	4CH HDMI video output 2CH VGA Simultaneous mode max. resolution of HDMI1 is 8K max. resolution of HDMI2 HDMI4 is 4K max. resolution of VGA1 VGA2 HDMI3 is 1080P
	Heterologous mode Simultaneous video source output for VGA1 and HDMI4, Simultaneous video source output for VGA2 and HDMI2 max. resolution of HDMI1 HDMI4 and HDMI2 is 4K max. resolution of HDMI3 is 1080P max. resolution of VGA1 and VGA2 is 1080P
Output 1 HDMI	7680 x 4320/30Hz, 3840 x 2160/30Hz, 1920 x 1080/60Hz
Output 2 HDMI	3840 x 2160/30Hz, 1920 x 1080/60Hz, 1280 x 1024/60Hz
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Output 4 HDMI	3840 x 2160/30Hz, 1920 x 1080/60Hz, 1280 x 1024/60Hz
Output 1 VGA	1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz
Output 2 VGA	1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz
Main/Secondary Screen Split	1.4-8.9-16.25-36.64 screen split
Audio Output	2CH, RCA
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	32MP, 16MP, 12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	1024Mbps or 512 Mbps (when RAID is enabled)
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Failover	N+1 Hot Spare
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Decoding Capability Sync Playback	H.265
	32CH 1080P@30fps
	16CH 4Mp@30fps
	8CH 8Mp@30fps
	4CH 16Mp@30fps
	2CH 32Mp@30fps
Search Mode	H.264
	16CH 1080P@30fps
	8CH 4Mp@30fps
	4CH 8Mp@30fps
	2CH 16Mp@30fps
	1CH 32Mp@30fps
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner, Cloud Storage

Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	800Mbps or 400 Mbps (when RAID is enabled)
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet
Hard Disk	
HDD	8 Sata HDD With Cage (Hot Swap Technology)
Capacity	Up To 22 TB For Each HDD
Raid Support	Raid 0-1-5-10
Group HDD	Yes
External Interface	
Network	2xRJ45/ 1x2.5GE Or 2xself-adaptive Ethernet interface, (10/100/1000Mbps)+LED Indicator 2 x 1000 M SFP Optical Interfaces
4G Dongle / Wifi	Supported
USB Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 2 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16 / 8
Controller	1 x RS-485 Interface / 1 x RS-232
12V Out	1
Smart Function	
Intelligent Function	20 Smart Function
	Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Power redundant	N/A
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 2 Unit
Dimension (WxDxH)	440*452*90 mm
Weight	7.3 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-6482NHR



Intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

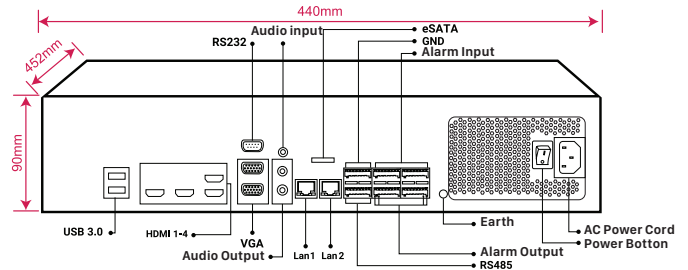
YEARS
PLATINUM
GUARANTEE

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Platinum DFS
warranty, including:

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surges, and other
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Other advantages

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- N+1 Failover support for storage redundancy
- Supports DFS network speakers
- Six independent video outputs for multi-monitor and video wall displays
- Dual 2.5GbE ports for high-throughput and network redundancy
- 1.8Gbps total bandwidth for high-volume recording and streaming
- Massive scalability with up to 176TB of total storage
- Features Hardware RAID for data protection



CPU & GPU & Capabilities		
CPU	Quad-Core ARM Cortex	
GPU	ARM Mali-G610MC4	
IP Channel Input	64CH x 8K@30fps (Up to 32MP Supported)	
Video & Audio		
Video Output Mode	4CH HDMI video output 2CH VGA	
	Simultaneous mode	
	max. resolution of HDMI1 is 8K	
	max. resolution of HDMI2 HDMI4 is 4K	
	max. resolution of VGA1 VGA2 HDMI3 is 1080P	
Video Output Mode	Heterologous mode	
	Simultaneous video source output for VGA1 and HDMI4,	
	Simultaneous video source output for VGA2 and HDMI2'	
	max. resolution of HDMI1 HDMI4 and HDMI2 is 4K	
	max. resolution of HDMI3 is 1080P	
max. resolution of VGA1 and VGA2 is 1080P		
Output 1 HDMI	7680 × 4320/30Hz, 3840 × 2160/30Hz, 1920 × 1080/60Hz	
Output 2 HDMI	3840 × 2160/30Hz,, 1920 × 1080/60Hz, 1280 × 1024/60Hz	
Output 3 HDMI	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Output 4 HDMI	3840 × 2160/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz	
Output 1 VGA	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Output 2 VGA	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Main/Secondary Screen Split	1.4.8.9.16.25.36.64 screen split	
Audio Output	2CH, RCA	
Recording		
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec	
Audio Compression	G.711A, G.711U	
Video Resolution	32MP, 16MP, 12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF	
Input Bandwidth	1024Mbps or 512 Mbps (when RAID is enabled)	
Record Mode	Manual, Schedule, Alarm, Event, Smart Event	
Failover	N+1 Hot Spare	
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec	
Playback & Backup		
Decoding Capability Sync Playback	H.265	H.264
	32CH 1080P@30fps	16CH 1080P@30fps
	16CH 4Mp@30fps	8CH 4Mp@30fps
	8CH 8Mp@30fps	4CH 8Mp@30fps
	4CH 16Mp@30fps	2CH 16Mp@30fps
	2CH 32Mp@30fps	1CH 32Mp@30fps
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function	
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support	
Backup Mode	USB Device, Network, Internal Sata Burner, Cloud Storage	

Network & Monitoring	
Protocols	HTTPS, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2-6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	800Mbps or 400 Mbps (when RAID is enabled)
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet
Hard Disk	
HDD	8 Sata HDD
Capacity	Up to 22 TB For Each HDD
Raid Support	Raid 0-1-5-10
Group HDD	Yes
External Interface	
Network	2xRJ45/ 1x2-5GE Or 2xself-adaptive Ethernet interface, (10/100/1000Mbps)+LED Indicator
4G Dongle / Wifi	Supported
USB Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 2 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16 / 8
Controller	1 x RS-485 Interface / 1 x RS-232
12V Out	1
Smart Function	
Intelligent Function	20 Smart Function
	Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Power redundant	N/A
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 2 Unit
Dimension (WxDxH)	440*452*90 mm
Weight	7.3 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-6482NHRW



Intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

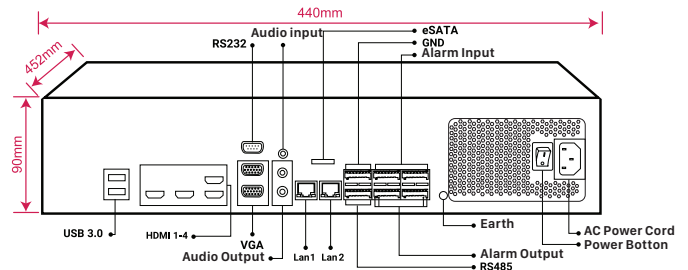
YEARS
PLATINUM
GUARANTEE



- 3 years unconditional Platinum DFS warranty, including:
 - Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
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CPU & GPU & Capabilities		
CPU	Quad-Core ARM Cortex	
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IP Channel Input	64CH x 8K@30fps (Up to 32MP Supported)	
Video & Audio		
Video Output Mode	4CH HDMI video output 2CH VGA	
	Simultaneous mode	
	max. resolution of HDMI1 is 8K	
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	max. resolution of VGA1 VGA2 HDMI3 is 1080P	
	Heterologous mode	
	Simultaneous video source output for VGA1 and HDMI4,	
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Main/Secondary Screen Split	1.4-8.9-16-25-36-64 screen split	
Audio Output	2CH, RCA	
Recording		
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec	
Audio Compression	G-711A, G-711U	
Video Resolution	32MP, 16MP, 12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF	
Input Bandwidth	1024Mbps or 512 Mbps (when RAID is enabled)	
Record Mode	Manual, Schedule, Alarm, Event, Smart Event	
Failover	N+1 Hot Spare	
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec	
Playback & Backup		
Decoding Capability	H.265	H.264
	32CH 1080P@30fps	16CH 1080P@30fps
	16CH 4Mp@30fps	8CH 4Mp@30fps
	8CH 8Mp@30fps	4CH 8Mp@30fps
	4CH 16Mp@30fps	2CH 16Mp@30fps
Sync Playback	2CH 32Mp@30fps	1CH 32Mp@30fps
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function	
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support	
Backup Mode	USB Device, Network, Internal Sata Burner, Cloud Storage	

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Rackmount	Yes 2 Unit
Dimension (WxDxH)	440*452*90 mm
Weight	7.3 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-6482NHRWS



Intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

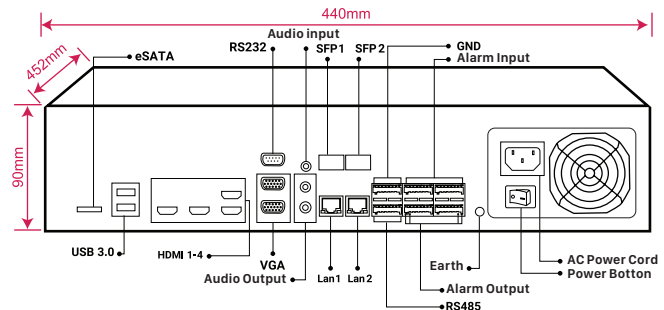
YEARS
PLATINUM
GUARANTEE

• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) and web-based management interface in Arabic and English
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- N+1 Failover support for storage redundancy
- Supports DFS network speakers
- Six independent video outputs for multi-monitor and video wall displays
- Dual 2.5GbE ports for high-throughput and network redundancy
- 1.8Gbps total bandwidth for high-volume recording and streaming
- Massive scalability with up to 176TB of total storage
- Features Hardware RAID for data protection and hot-swappable bays for zero-downtime maintenance



CPU & GPU & Capabilities		
CPU	Quad-Core ARM Cortex	
GPU	ARM Mali-G610MC4	
IP Channel Input	64CH x 8K@30fps (Up to 32MP Supported)	
Video & Audio		
Video Output Mode	4CH HDMI video output 2CH VGA Simultaneous mode max. resolution of HDMI1 is 8K max. resolution of HDMI2 HDMI4 is 4K max. resolution of VGA1 VGA2 HDMI3 is 1080P Heterologous mode Simultaneous video source output for VGA1 and HDMI4, Simultaneous video source output for VGA2 and HDMI2 max. resolution of HDMI1 HDMI4 and HDMI2 is 4K max. resolution of HDMI3 is 1080P max. resolution of VGA1 and VGA2 is 1080P	
	Output 1 HDMI	7680 × 4320/30Hz,3840 × 2160/30Hz,1920 × 1080/60Hz
	Output 2 HDMI	3840× 2160/30Hz,,1920 × 1080/60Hz, 1280 × 1024/60Hz
	Output 3 HDMI	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
	Output 4 HDMI	3840× 2160/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz
Output 1 VGA	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Output 2 VGA	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Main/Secondary Screen Split	1.4.8.9.16.25.36.64 screen split	
Audio Output	2CH, RCA	
Recording		
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec	
Audio Compression	G.711A, G.711U	
Video Resolution	32MP, 16MP, 12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF	
Input Bandwidth	1024Mbps or 512 Mbps (when RAID is enabled)	
Record Mode	Manual, Schedule, Alarm, Event, Smart Event	
Failover	N+1 Hot Spare	
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec	
Playback & Backup		
Decoding Capability Sync Playback	H.265	H.264
	32CH 1080P@30fps	16CH 1080P@30fps
	16CH 4Mp@30fps	8CH 4Mp@30fps
	8CH 8Mp@30fps	4CH 8Mp@30fps
	4CH 16Mp@30fps	2CH 16Mp@30fps
	2CH 32Mp@30fps	1CH 32Mp@30fps
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function	
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support	
Backup Mode	USB Device, Network, Internal Sata Burner, Cloud Storage	

Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2-6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	800Mbps or 400 Mbps (when RAID is enabled)
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet
Hard Disk	
HDD	8 Sata HDD With Cage (Hot Swap Technology)
Capacity	Up To 22 TB For Each HDD
Raid Support	Raid 0-1-5-10
Group HDD	Yes
External Interface	
Network	2xRJ45/ 1x2-5GE Or 2xself-adaptive Ethernet interface, (10/100/1000Mbps)+LED Indicator 2 x 1000 M SFP Optical Interfaces
4G Dongle / Wifi	Supported
USB Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 2 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16 / 8
Controller	1 x RS-485 Interface / 1 x RS-232
12V Out	1
Smart Function	
20 Smart Function	
Intelligent Function	Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Power redundant	N/A
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 2 Unit
Dimension (WxDxH)	440*452*90 mm
Weight	7.3 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-128164NHRWS



Intelligent features

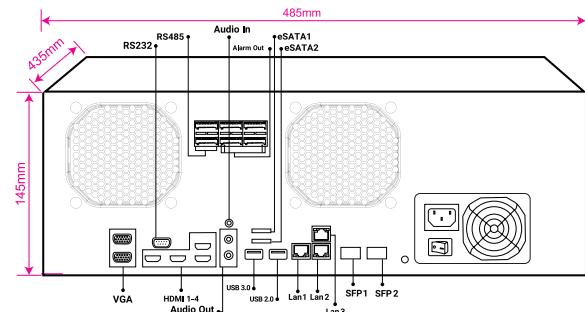
- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

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- Three 2.5GbE ports for high-throughput and network redundancy
- Equipped with two 1G SFP uplink ports
- 1.8Gbps total bandwidth for high-volume recording and streaming
- Massive scalability with up to 352TB of total storage
- Features Hardware RAID for data protection and **hot-swappable bays** for zero-downtime maintenance



CPU & GPU & Capabilities		
CPU	Quad-Core ARM Cortex	
GPU	ARM Mali-G610MC4	
IP Channel Input	128CH x 8K@30fps (Up to 32MP Supported)	
Video & Audio		
Video Output Mode	4CH HDMI video output 2CH VGA	
	Simultaneous mode	
	max. resolution of HDMI1 is 8K	
	max. resolution of HDMI2 HDMI4 is 4K	
	max. resolution of VGA1 VGA2 HDMI3 is 1080P	
	Heterologous mode	
Video Output Mode	Simultaneous video source output for VGA1 and HDMI4	
	Simultaneous video source output for VGA2 and HDMI2	
	max. resolution of HDMI1 HDMI4 and HDMI2 is 4K	
	max. resolution of HDMI3 is 1080P	
	max. resolution of VGA1 and VGA2 is 1080P	
	Output 1 HDMI	7680 × 4320/30Hz,3840 × 2160/30Hz,1920 × 1080/60Hz
Output 2 HDMI	3840× 2160/30Hz,1920 × 1080/60Hz, 1280 × 1024/60Hz	
Output 3 HDMI	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Output 4 HDMI	3840× 2160/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz	
Output 1 VGA	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Output 2 VGA	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Main/Secondary Screen Split	1.4.8.9.16.25.36.64 screen split	
Audio Output	2CH, RCA	
Recording		
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec	
Audio Compression	G.711A, G.711U	
Video Resolution	32MP, 16MP, 12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF	
Input Bandwidth	1024Mbps or 512 Mbps (when RAID is enabled)	
Record Mode	Manual, Schedule, Alarm, Event, Smart Event	
Failover	N+1 Hot Spare	
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec	
Playback & Backup		
Decoding Capability Sync Playback	H.265	H.264
	32CH 1080P@30fps	16CH 1080P@30fps
	16CH 4Mp@30fps	8CH 4Mp@30fps
	8CH 8Mp@30fps	4CH 8Mp@30fps
	4CH 16Mp@30fps	2CH 16Mp@30fps
	2CH 32Mp@30fps	1CH 32Mp@30fps
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function	
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support	
Backup Mode	USB Device, Network, Internal Sata Burner, Cloud Storage	

Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	800Mbps or 400 Mbps (when RAID is enabled)
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet
Hard Disk	
HDD	16 Sata HDD With Cage (Hot Swap Technology)
Capacity	Up To 22 TB For Each HDD
Raid Support	Raid 0-1-5-10
Group HDD	Yes
External Interface	
Network	3xRJ45/ 1x2.5GE Or 3x self-adaptive Ethernet interface, (10/100/1000Mbps)+LED Indicator 2 x 1000 M SFP Optical Interfaces
Wifi / 4G Dongle	Supported
USB Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 1 x USB 3.0, 1 x USB 2.0
eSATA	2
Alarm In / Alarm Out	24 / 8
Controller	2 x RS-485 Interface / 1 x RS-232
12V Out	2
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Power redundant	N/A
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 4 Unit
Dimension (WxDxH)	485*435*145 mm
Weight	11 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-64164NHRWS



Intelligent features

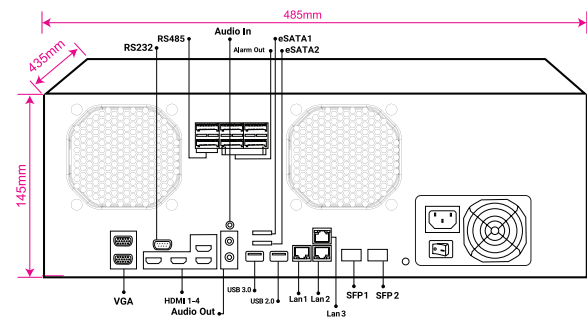
- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
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CPU & GPU & Capabilities		
CPU	Quad-Core ARM Cortex	
GPU	ARM Mali-G610MC4	
IP Channel Input	64CH x 8K@30fps (Up to 32MP Supported)	
Video & Audio		
Video Output Mode	4CH HDMI video output 2CH VGA	
	Simultaneous mode	
	max. resolution of HDMI1 is 8K	
	max. resolution of HDMI2 HDMI4 is 4K	
	max. resolution of VGA1 VGA2 HDMI3 is 1080P	
	Heterologous mode	
Output 1 HDMI	Simultaneous video source output for VGA1 and HDMI4,	
	Simultaneous video source output for VGA2 and HDMI2	
	max. resolution of HDMI1 HDMI4 and HDMI2 is 4K	
	max. resolution of HDMI3 is 1080P	
	max. resolution of VGA1 and VGA2 is 1080P	
Output 1 HDMI	7680 × 4320/30Hz,3840 × 2160/30Hz,1920 × 1080/60Hz	
Output 2 HDMI	3840× 2160/30Hz,1920 × 1080/60Hz, 1280 × 1024/60Hz	
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Output 4 HDMI	3840× 2160/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz	
Output 1 VGA	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Output 2 VGA	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz	
Main/Secondary Screen Split	1.4.8.9.16.25.36.64 screen split	
Audio Output	2CH, RCA	
Recording		
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec	
Audio Compression	G.711A, G.711U	
Video Resolution	32MP, 16MP, 12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF	
Input Bandwidth	1024Mbps or 512 Mbps (when RAID is enabled)	
Record Mode	Manual, Schedule, Alarm, Event, Smart Event	
Failover	N+1 Hot Spare	
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec	
Playback & Backup		
Decoding Capability Sync Playback	H.265	H.264
	32CH 1080P@30fps	16CH 1080P@30fps
	16CH 4Mp@30fps	8CH 4Mp@30fps
	8CH 8Mp@30fps	4CH 8Mp@30fps
	4CH 16Mp@30fps	2CH 16Mp@30fps
	2CH 32Mp@30fps	1CH 32Mp@30fps
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function	
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support	
Backup Mode	USB Device, Network, Internal Sata Burner, Cloud Storage	

Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	800Mbps or 400 Mbps (when RAID is enabled)
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet
Hard Disk	
HDD	16 Sata HDD With Cage (Hot Swap Technology)
Capacity	Up To 22 TB For Each HDD
Raid Support	Raid 0-1-5-10
Group HDD	Yes
External Interface	
Network	3xRJ45/ 1x2.5GE Or 3x self-adaptive Ethernet interface, (10/100/1000Mbps)+LED Indicator 2 x 1000 M SFP Optical Interfaces
Wifi / 4G Dongle	Supported
USB Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 1 x USB 3.0, 1 x USB 2.0
eSATA	2
Alarm In / Alarm Out	24 / 8
Controller	2 x RS-485 Interface / 1 x RS-232
12V Out	2
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤90 W Without Hard Disk
Power redundant	N/A
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 4 Unit
Dimension (WxDxH)	485*435*145 mm
Weight	11 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

4K NETWORK VIDEO RECORDER

A R e v i e w o f T e c h n o l o g y



Beryllium Series

DN-0411BE



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

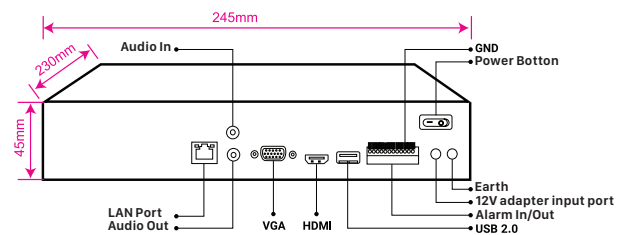
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- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- Supports DFS network speakers



CPU & Capabilities	
CPU	Dual-Core ARM Cortex
IP Channel Input	4CH x 4K@30fps
Video & Audio	
HDMI Output	1CH x 4K (3840 x 2160)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 1CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	40 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	4CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	80 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	1 Sata HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	N/A
Group HDD	N/A
External Interface	
Network	1 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 1 x USB 2.0 / Rear Panel: 1 x USB 2.0
eSATA	N/A
Alarm In / Alarm Out	8 / 1
Controller	N/A
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	DC12V, 4A
Power Consumption	≤10 W Without Hard Disk
Working Environment	-20°C ~ +65°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 1 Unit
Dimension (WxDxH)	245*230*45 mm
Weight	1 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-0421BE



Supports intelligent features

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- Region Entrance
- Region Exiting
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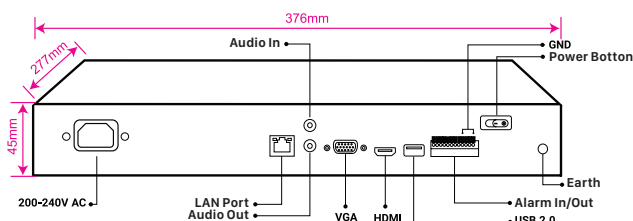
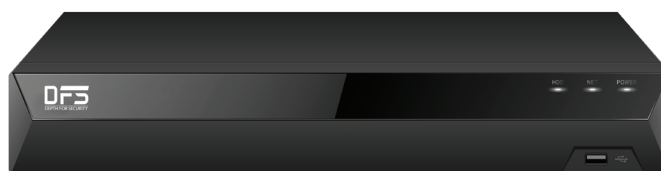


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- Supports DFS network speakers



CPU & Capabilities	
CPU	Dual-Core ARM Cortex
IP Channel Input	4CH x 4K@30fps
Video & Audio	
HDMI Output	1CH x 4K (3840 x 2160)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 1CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	40 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	4CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S,G,T, CGI, SDK, API
Output Bandwidth	80 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	2 Sata HDD
Capacity	Up TO 14 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	1 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 1 x USB 2.0 / Rear Panel: 1 x USB 2.0
eSATA	N/A
Alarm In / Alarm Out	8 / 1
Controller	N/A
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤10 W Without Hard Disk
Working Environment	-20°C ~ +65°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 1 Unit
Dimension (WxDxH)	376*277*45 mm
Weight	2.1 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-0811BE



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

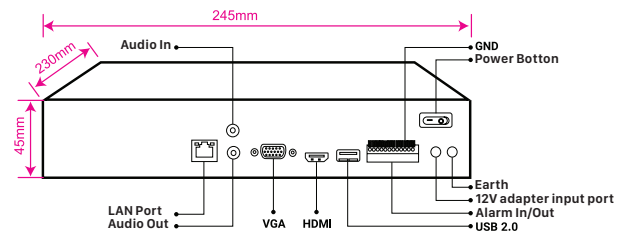


• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- Supports DFS network speakers



CPU & Capabilities	
CPU	Dual-Core ARM Cortex
IP Channel Input	8CH x 4K@30fps
Video & Audio	
HDMI Output	1CH x 4K (3840 x 2160)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 1CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	80 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	8CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPS, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S,G,T, CGI, SDK, API
Output Bandwidth	80 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	1 Sata HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	N/A
Group HDD	N/A
External Interface	
Network	1 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 1 x USB 2.0 / Rear Panel: 1 x USB 2.0
eSATA	N/A
Alarm In / Alarm Out	8 / 1
Controller	N/A
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	DC12V, 4A
Power Consumption	≤10 W Without Hard Disk
Working Environment	-20°C ~ +65°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 1 Unit
Dimension (WxDxH)	245*230*45 mm
Weight	1 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-0821BE



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

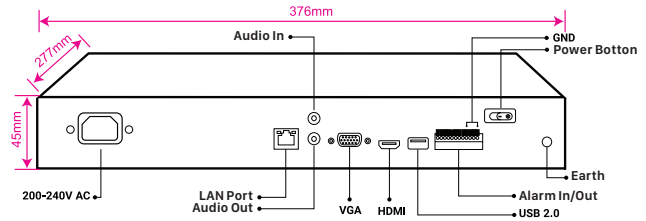


• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
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- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- Supports DFS network speakers



CPU & Capabilities	
CPU	Dual-Core ARM Cortex
IP Channel Input	8CH x 4K@30fps
Video & Audio	
HDMI Output	1CH x 4K (3840 x 2160)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 1CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	80 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	8CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPS, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	80 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS /VMS 128CH Per Monitor
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	2 SATA HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	1 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 1 x USB 2.0 / Rear Panel: 1 x USB 2.0
eSATA	N/A
Alarm In / Alarm Out	8 / 1
Controller	N/A
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤10 W Without Hard Disk
Working Environment	-20°C ~ +65°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 1 Unit
Dimension (WxDxH)	376*277*45 mm
Weight	2.1 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-1621BE



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

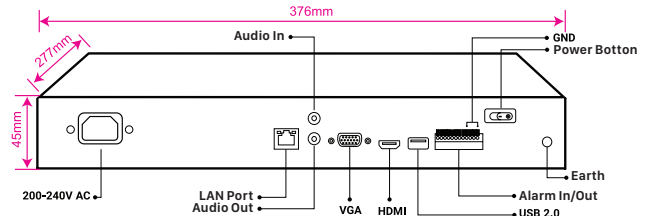


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Platinum DFS
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Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- Supports DFS network speakers



CPU & Capabilities	
CPU	Dual-Core ARM Cortex
IP Channel Input	16CH x 4K@30fps
Video & Audio	
HDMI Output	1CH x 4K (3840 x 2160)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/Output	1CH Input, 1CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	160 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	8CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	80 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS /VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	2 Sata HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	1 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 1 x USB 2.0 / Rear Panel: 1 x USB 2.0
eSATA	N/A
Alarm In / Alarm Out	8 / 1
Controller	N/A
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤10 W Without Hard Disk
Working Environment	-20°C ~ +65°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 1 Unit
Dimension (WxDxH)	376*277*45 mm
Weight	2.1 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-1621B

Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

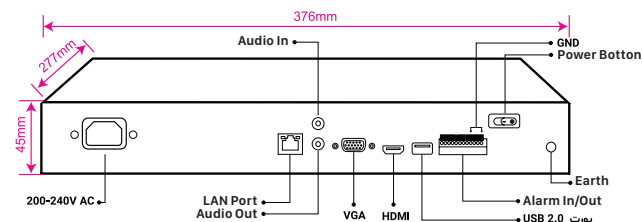


• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- Supports DFS network speakers



CPU & Capabilities	
CPU	Quad-Core ARM Cortex
IP Channel Input	16CH x 4K@30fps (Up to 12 MP Supported)
Video & Audio	
HDMI Output	1CH x 4K (3840 x 2160)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 1CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G-711A, G-711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	160 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	16CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPS, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	256 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer
Windows Software	Unlimited DFS CMS/VMS 128CH Per Monitor
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	2 Sata HDD
Capacity	Up To 18 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	1 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 1 x USB 2.0 / Rear Panel: 1 x USB 3.0
eSATA	N/A
Alarm In / Alarm Out	8 / 1
Controller	N/A
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤10 W Without Hard Disk
Working Environment	-20°C ~ +65°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 1 Unit
Dimension (WxDxH)	376*277*45 mm
Weight	2.1 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-1642B



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

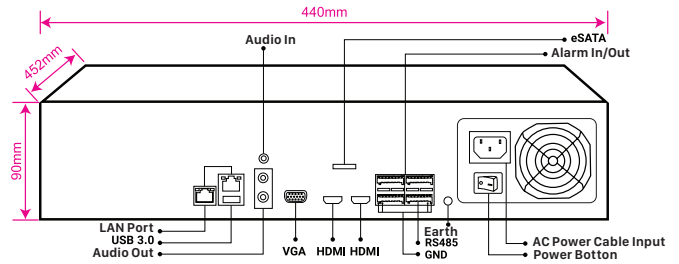


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- Supports DFS network speakers



CPU & Capabilities	
CPU	Quad-Core ARM Cortex
IP Channel Input	16CH x 4K@30fps (Up to 12 MP Supported)
Video & Audio	
HDMI Output	2CH / 1CH 4K (3840 x 2160) , 1CH Full HD (1920 x 1080)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 2CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	160 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	16CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS,FTP,SNMP-V1-V2-V3,UPNP,P2P,NAT,Multi Cast
Compatibility	Onvif Ver2.6, Profile S,G,T, CGI, SDK, API
Output Bandwidth	256 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	4 Sata HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	2 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 1 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16/4
Controller	2 x RS-485 Interface
12V Out	1
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 2 Unit
Dimension (WxDxH)	440*452*90 mm
Weight	7 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-3221B

Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

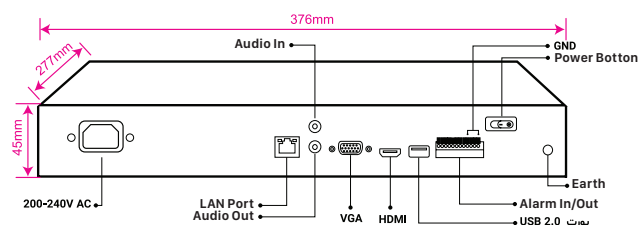
YEARS
PLATINUM
GUARANTEE

• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- Supports DFS network speakers



CPU & Capabilities	
CPU	Quad-Core ARM Cortex
IP Channel Input	32CH x 4K@30fps (Up to 12 MP Supported)
Video & Audio	
HDMI Output	1CH x 4K (3840 x 2160)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 1CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	256 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	16CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS,FTP,SNMP-V1-V2-V3,UPNP,P2P,NAT,Multi Cast
Compatibility	Onvif Ver2.6, Profile S,G,T, CGI, SDK, API
Output Bandwidth	256 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer
Windows Software	Unlimited DFS CMS/VMS 128CH Per Monitor
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	2 Sata HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	1 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 1 x USB 2.0 / Rear Panel: 1 x USB 3.0
eSATA	N/A
Alarm In / Alarm Out	8 / 1
Controller	N/A
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤10 W Without Hard Disk
Working Environment	-20°C ~ +65°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 1 Unit
Dimension (WxDxH)	376*277*45 mm
Weight	2.1 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-3221BS



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

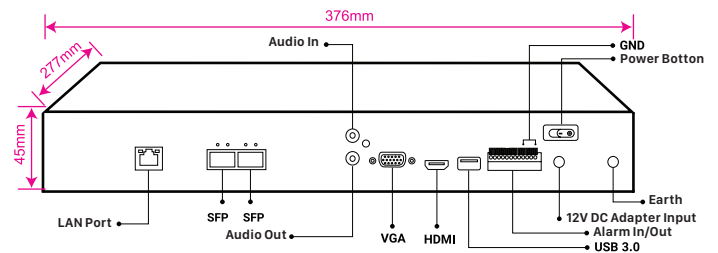


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- Supports DFS network speakers



CPU & Capabilities	
CPU	Quad-Core ARM Cortex
IP Channel Input	32CH x 4K@30fps (Up to 12 MP Supported)
Video & Audio	
HDMI Output	1CH x 4K (3840 x 2160)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 1CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	256 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	16CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	256 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer
Windows Software	Unlimited DFS CMS/VMS 128CH Per Monitor
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	2 SATA HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	1 x RJ45(10/100/1000Mbps)+LED Indicator 2 x 1000 M SFP Optical Interfaces
Wifi / 4G Dongle	Supported
Interface	Front Panel: 1 x USB 2.0 / Rear Panel: 1 x USB 3.0
eSATA	N/A
Alarm In / Alarm Out	8 / 1
Controller	N/A
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	DC 12V, 4A
Power Consumption	≤10 W Without Hard Disk
Working Environment	-20°C ~ +65°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 1 Unit
Dimension (WxDxH)	376*277*45 mm
Weight	2.1 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-3242B

Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

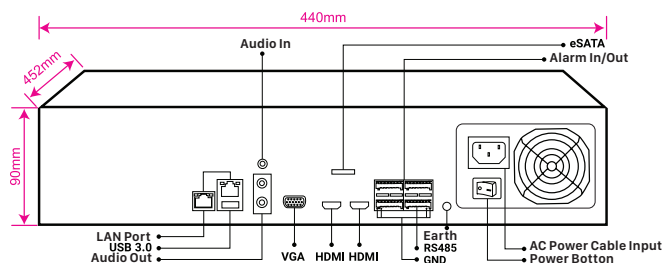
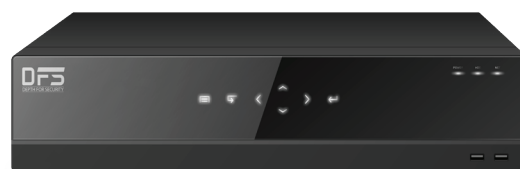
3 YEARS PLATINUM GUARANTEE

3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- Supports DFS network speakers



CPU & Capabilities	
CPU	Quad-Core ARM Cortex
IP Channel Input	32CH x 4K@30fps (Up to 12 MP Supported)
Video & Audio	
HDMI Output	2CH / 1CH 4K (3840 × 2160) , 1CH Full HD (1920 × 1080)
VGA Output	1CH x Full HD (1920 × 1080)
Audio Input/ Output	1CH Input, 1CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	256 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	16CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	256 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	4 Sata HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	2 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 2 × USB 2.0 / Rear Panel: 1 × USB 3.0
eSATA	1
Alarm In / Alarm Out	16/4
Controller	2 x RS-485 Interface
12V Out	1
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 2 Unit
Dimension (W×D×H)	440*452*90 mm
Weight	7 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-3282B



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

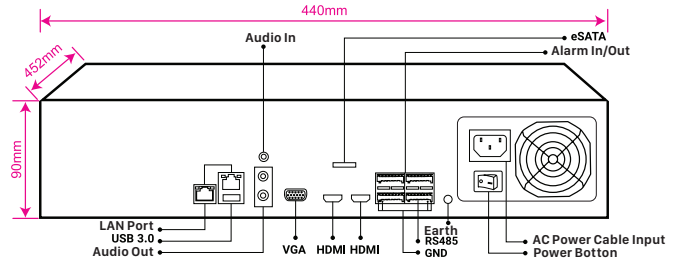


• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- N+1 Failover support for storage redundancy
- Supports DFS network speakers



CPU & Capabilities	
CPU	Quad-Core ARM Cortex
IP Channel Input	32CH x 4K@30fps (Up to 12 MP Supported)
Video & Audio	
HDMI Output	2CH / 1CH 4K (3840 x 2160) , 1CH Full HD (1920 x 1080)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 2CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	256 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Failover	N+1 Hot Spare
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	16CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS,FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	256 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	8 Sata HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	2 x RJ45(10/100/1000Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 1 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16/4
Controller	2 x RS-485 Interface
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 2 Unit
Dimension (WxDxH)	440*452*90 mm
Weight	7.3 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-3282BS



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

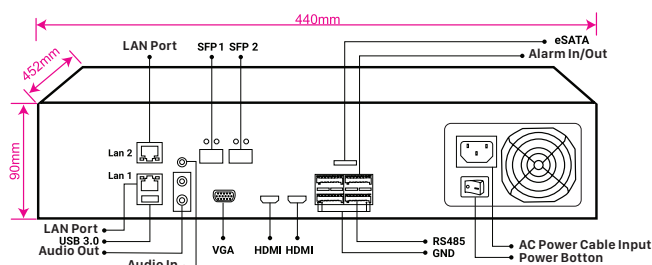
3 YEARS PLATINUM GUARANTEE

3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- N+1 Failover support for storage redundancy
- Supports DFS network speakers



CPU & Capabilities	
CPU	Quad-Core ARM Cortex
IP Channel Input	32CH x 4K@30fps (Up to 12 MP Supported)
Video & Audio	
HDMI Output	2CH / 1CH 4K (3840 x 2160) , 1CH Full HD (1920 x 1080)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 2CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	256 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Failover	N+1 Hot Spare
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	16CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	256 Mbps
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	8 Sata HDD
Capacity	Up To 14 TB For Each HDD
Raid Support	Mirror
Group HDD	Yes
External Interface	
Network	2 x RJ45(10/100/1000Mbps)+LED Indicator 2 x 1000 M SFP Optical Interfaces
Wifi / 4G Dongle	Supported
Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 1 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16/4
Controller	2 x RS-485 Interface
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤30 W Without Hard Disk
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 2 Unit
Dimension (WxDxH)	440*452*90 mm
Weight	7.3 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-64164BHRW



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

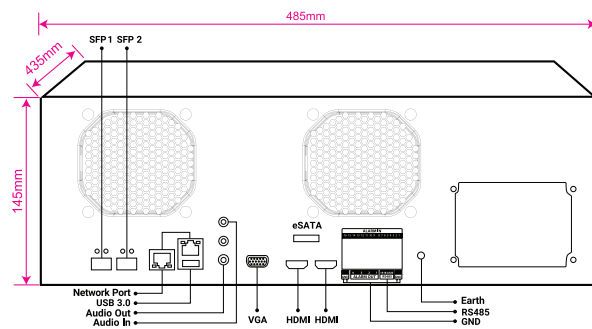
YEARS
PLATINUM
GUARANTEE

• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- N+1 Failover support for storage redundancy
- Enhanced with SBMS, a DFS proprietary technology
- Supports DFS network speakers
- Equipped with two 1G SFP uplink ports
- Massive scalability with up to 224TB of total storage
- Features Hardware RAID for data protection and **hot-swappable bays** for zero-downtime maintenance



CPU & Capabilities	
CPU	Dual-Core ARM Cortex
IP Channel Input	64CH x 4K@30fps (Up to 12MP Supported)
Video & Audio	
HDMI Output	2CH / 1CH 4K (3840 x 2160) , 1CH Full HD (1920 x 1080)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	1CH Input, 2CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	320~500Mbps (Smart Bandwidth Management System) 200 Mbps (when RAID is enabled)
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Failover	N+1 Hot Spare
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	16CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P , NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	100~300Mbps (Smart Bandwidth Management System) 200 Mbps (when RAID is enabled)
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	16 SATA HDD With Cage (Hot Swap Technology)
Capacity	Up To 14 TB For Each HDD
Raid Support	Raid 0-1-3-5-10
Group HDD	Yes
External Interface	
Network	2 x RJ45(10/100/1000Mbps)+ LED Indicator
Wifi / 4G Dongle	Supported
USB Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 1 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16 / 4
Controller	2 x RS-485 Interface
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
Sustainable Transfer Rate	
Raid 3,5	Up to 180 mb/s in HDD Seagate Sky HDD (Depend on Model)
Raid 3,5	Up to 245 mb/s in HDD Western Digital Purple (Depend on Model)
Raid 0,1,10	Up to 180 mb/s in HDD Seagate Sky HDD (Depend on Model)
Raid 0,1,10	Up to 145 mb/s in HDD Western Digital Digital Purple (Depend on Model)
Playback	4 Channels Simultaneous for All Raid
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤90 W Without Hard Disk
Power redundant	N/A
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 4 Unit
Dimension (WxDxH)	485*435*145 mm
Weight	11 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DN-64164BHRWS



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

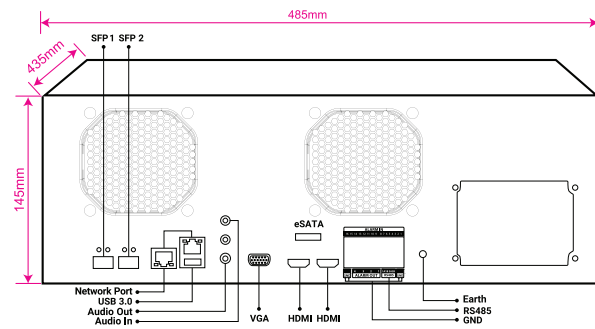


• 3 years unconditional
Platinum DFS
warranty, including:

Water damage,
breakage, impact
damage, lightning
damage, rust, power
surges, and other
incidents and damages

Other advantages

- Expandable software capabilities available on request
- Intuitive mobile and Windows clients with full Arabic and English support
- Superior CPU and RAM capacity compared to competing brands
- Extensive compatibility with third-party cameras (ONVIF compliant)
- Bilingual Graphical User Interface (GUI) in Arabic and English
- Bilingual web-based management interface (Arabic/English)
- Fail-safe recording with ANR (Automatic Network Replenishment), fully compatible with DFS cameras
- N+1 Failover support for storage redundancy
- Enhanced with SBMS, a DFS proprietary technology
- Supports DFS network speakers
- Equipped with two 1G SFP uplink ports
- Massive scalability with up to 224TB of total storage
- Features Hardware RAID for data protection and **hot-swappable bays** for zero-downtime maintenance



CPU & Capabilities	
CPU	Dual-Core ARM Cortex
IP Channel Input	64CH x 4K@30fps (Up to 12MP Supported)
Video & Audio	
HDMI Output	2CH / 1CH 4K (3840 × 2160) , 1CH Full HD (1920 × 1080)
VGA Output	1CH x Full HD (1920 × 1080)
Audio Input/ Output	1CH Input, 2CH Output
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
Input Bandwidth	320~500Mbps (Smart Bandwidth Management System) 200 Mbps (when RAID is enabled)
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Failover	N+1 Hot Spare
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	16CH Sync Playback(Up to 4K@30fps)
Search Mode	Time & Date, Motion , Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPS, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP,DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	100~300Mbps (Smart Bandwidth Management System) 200 Mbps (when RAID is enabled)
User	32 Users
Streaming Method	Unicast, Multicast
Web Viewer	IE, Edge, Firefox, Chrome
Windows Software	Unlimited DFS CMS/VMS
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	16 SATA HDD With Cage (Hot Swap Technology)
Capacity	Up To 14 TB For Each HDD
Raid Support	Raid 0-1-3-5-10
Group HDD	Yes
External Interface	
Network	2 x RJ45(10/100/1000Mbps)+ LED Indicator 2 x 1000 M SFP Optical Interfaces
Wifi / 4G Dongle	Supported
USB Interface	Front Panel: 2 x USB 2.0 / Rear Panel: 1 x USB 3.0
eSATA	1
Alarm In / Alarm Out	16 / 4
Controller	2 x RS-485 Interface
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
Sustainable Transfer Rate	
Raid 3,5	Up to 180 mb/s in HDD Seagate Sky HDD (Depend on Model)
Raid 3,5	Up to 245 mb/s in HDD Western Digital Purple (Depend on Model)
Raid 0,1,10	Up to 180 mb/s in HDD Seagate Sky HDD (Depend on Model)
Raid 0,1,10	Up to 145 mb/s in HDD Western Digital Purple (Depend on Model)
Playback	4 Channels Simultaneous for All Raid
General	
Power Supply	200~240V AC, 50~60Hz
Power Consumption	≤90 W Without Hard Disk
Power redundant	N/A
Working Environment	-20°C ~ +50°C / 10% ~ 90% RH (Non condensing)
Rackmount	Yes 4 Unit
Dimension (WxDxH)	485*435*145 mm
Weight	11 Kg Without HDD
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

FULL HD NETWORK VIDEO RECORDER

A R e v i e w o f T e c h n o l o g y



Millennium Series

DN-0318N



Supports intelligent features

- Line Crossing
- Area Intrusion
- Region Entrance
- Region Exiting
- Object Missing
- Unattended Objects
- People counting
- Face Detection
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Moving
- Video Shelter
- Scene Change Detection
- Parking Detection
- Loitering Detection
- Audio Exception Detection
- Blurred Detection
- People Gathering Detection
- Car Shape Detection

YEARS
PLATINUM
GUARANTEE

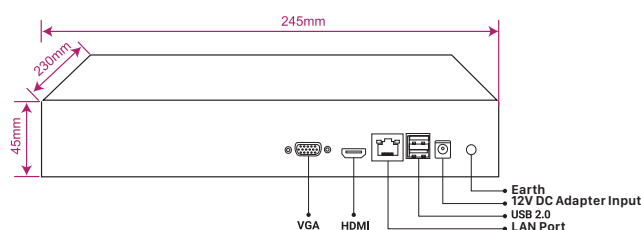


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Expandable software capabilities upon customer request
- Professional mobile and Windows applications in English
- Higher CPU and RAM usage compared to other brands
- Highest level of compatibility with cameras from other brands
- Operating system available in English
- Web interface available in English
- Support for 5-megapixel cameras



CPU & Capabilities	
CPU	ARM Cortex
IP Channel Input	8CH x 30fps (Up to 5MP Supported)
Video & Audio	
HDMI Output	1CH x Full HD (1920 x 1080)
VGA Output	1CH x Full HD (1920 x 1080)
Audio Input/ Output	N/A
Recording	
Video Compression	H.264+(Ultra H.264), H.265+ (Ultra H.265) Smart Event Codec
Audio Compression	G.711A, G.711U
Video Resolution	5MP, 4MP, 3MP, 1080P, 720P, CIF, QCIF, D1
Input Bandwidth	40 Mbps
Record Mode	Manual, Schedule, Alarm, Event, Smart Event
Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	
Sync Playback	4CH x 2MP@30fps Resolution / 1CH x 5MP@30fps Resolution
Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback
Backup Mode	USB Device, Network, Internal Sata Burner
Network & Monitoring	
Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
Output Bandwidth	20 Mbps
User	10 Users
Streaming Method	Unicast, Multicast
Web Viewer	Internet Explorer
Windows Software	Unlimited DFS CMS/VMS 128CH Per Monitor
Smart Device	IOS, Android Phone & Tablet

Hard Disk	
HDD	1 SATA HDD
Capacity	Up to 10TB Capacity For Each HDD
Raid Support	N/A
Group HDD	N/A
External Interface	
Network	1 x RJ45(10/100Mbps)+LED Indicator
Wifi / 4G Dongle	Supported
USB Interface	Front Panel: 1 x USB 2.0 / Rear Panel: 2 x USB 2.0
eSATA	N/A
Alarm In / Alarm Out	N/A
Controller	N/A
Smart Function	
Intelligent Function	20 Smart Function Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
General	
Power Supply	DC12V - 4A
Power Consumption	≤10 W Without HDD
Working Environment	-20°C ~ +65°C / 10% ~ 90% RH (Non condensing)
Rackmount	N/A
Dimension (WxDxH)	246*230*45 mm
Weight	1.5 Kg
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)

NETWORK SWITCH

A Review of Technology



Platinum Series

DP-0402H4SMU

Hi-PoE



Main Functions

- Equipped with 4 PoE ports (10/100/1000 Mbps)
- Equipped with 2 UP-Link SFP ports (10/100/1000 Mbps)
- Port status display via LED indicators
- Power transmission over the network up to 250 meters
- 120W total power capacity
- Web-based GUI
- CLI via Console port and telnet

YEARS
PLATINUM
GUARANTEE

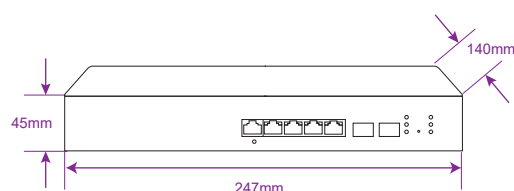


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Certified with ISO 9001, 10002, and 10004
- Enclosure coated with electrostatic paint
- All-metal body



Interfaces	
Total Port	6 Ports
POE Output (Max)	120 Watt
POE Port Control	Realtek 8239B
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	4 Ports Port 1~4 BT (Up to 90W)
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
Gigabit SFP Uplink Port	2
Combo Uplink Port	N/A
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at (Up to 30Watt), IEEE802.3bt
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 148800bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	12Gb Internal Bandwidth
MAC Table	64Kb
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer2 Managment (Telnet / SSH/ CLI)
Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication

Hardware	
Processore Type	Realtek Industrial Type
LED Panel	Data Activity, PoE Activity, Power Activity
Case	Metal Case
Mounting	Rackmount / Desktop
Main Board	Double Layer
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)5/4,(-)8/7	Optional
(+)2/1,(-)6/3	Yes
General	
Protection Rating	IP51
Web Language	English
Dimension	247*140*45 mm
Weight	980 g
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	N/A
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)

DP-0403H2FT

PoE+



Main Functions

- Equipped with 4 PoE ports (10/100 Mbps)
- Equipped with 2 UP-Link RJ45 ports (10/100 Mbps)
- Equipped with 1 UP-Link RJ45 port (10/100 Mbps, K Plus)
- Port status display via LED indicators
- Power transmission over the network up to 250 meters
- No device configuration required
- Total power capacity: 120W

YEARS
PLATINUM
GUARANTEE

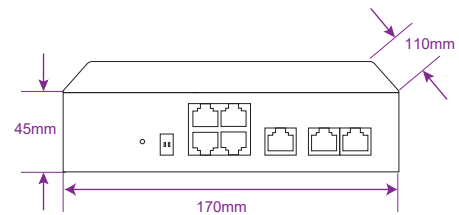
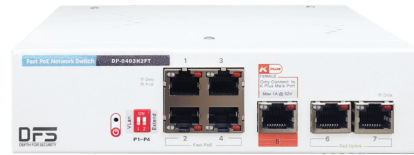


3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable design (includes mounting ears)
- Certified with ISO 9001, 10002, and 10004
- Enclosure coated with electrostatic paint
- All-metal body
- Smart features without the need for configuration, including VLAN, EXTEND, and WATCHDOG
- Capability to receive power and data from DFS 16- and 24-port switches (for Redundant operation with +K technology)



Interfaces	
Total Port	7 Ports
POE Output (Max)	120 Watt
POE Port Control	IC+ IP804AR
Fast RJ45 POE Port	4
Gigabit RJ45 POE Port	N/A
Fast RJ45 Uplink Port	2
Gigabit RJ45 Uplink Port	N/A
Gigabit SFP Uplink Port	N/A
Combo Uplink Port	N/A
Power Transmit RJ45 Port	1 (Female)
Fast RJ45 Uplink Port	
Dip Switch Ai	Yes
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at
Protocols	CSMA/CD
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port
Cabling	10Base-TX: Cat 5 UTP Or above (250m) POE=250M 100Base-TX: Cat 5 UTP Or above (100m) POE=250M
Bandwidth	1.4Gb Internal Bandwidth
MAC Table	32Kb
Auto MDI-MDIX	Yes All Ports
Console	N/A
Transfer Pattern	Store & Forward
Hardware	
Processor Type	IC+

LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount / Desktop
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	N/A
Dimension	170*110*45 mm
Weight	520 g
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Function Ai	
Vlan	Yes / By Setting Dip Switch Number 1(P1-P4)
250 Extend	Yes / By Setting Dip Switch Number 2(P1-P4)
Watchdog	Yes / Enabled By Default(P1-P4)
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	Yes (K+ Feature)
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-0403H3T

PoE+



Main Functions

- Equipped with 4 PoE ports (10/100 Mbps)
- Equipped with 2 UP-Link RJ45 ports (10/100/1000 Mbps)
- Equipped with 1 UP-Link RJ45 port (10/100 Mbps, K Plus)
- Port status display via LED indicators
- Power transmission over the network up to 250 meters
- No device configuration required
- Total power capacity: 120W

YEARS
PLATINUM
GUARANTEE

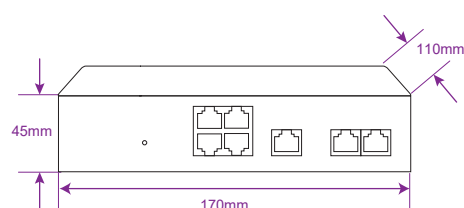


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability in all conditions
- Certified with the European CE standard mark
- Rack-mountable design (includes mounting ears)
- Certified with ISO 9001, 10002, and 10004
- Enclosure coated with electrostatic paint
- All-metal body
- Ability to receive power and data from DFS 16- and 24-port switches (for Redundant operation with +K technology)



Interfaces	
Total Port	7 Ports
POE Output (Max)	120 Watt
POE Port Control	IC+ IP804AR
Fast RJ45 POE Port	4
Gigabit RJ45 POE Port	N/A
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	2
Gigabit SFP Uplink Port	N/A
Combo Uplink Port	N/A
Power Transmit RJ45 Port	1 (Female)
Fast RJ45 Uplink Port	
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at
Protocols	CSMA/CD
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (120m) POE=250M 100Base-TX: Cat 6 UTP (120m) POE=250M 1000 Base-TX: Cat 6 UTP or above (100m)
Bandwidth	5Gb Internal Bandwidth
MAC Table	32Kb
Auto MDI-MDIX	Yes All Ports
Console	N/A
Transfer Pattern	Store & Forward
Hardware	
Processor Type	Realtek

LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount / Desktop
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	N/A
Dimension	170*110*45 mm
Weight	520 g
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	Yes (K+ Feature)
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-0406H4SLMT

PoE+



Main Functions

- Equipped with 4 PoE ports (10/100/1000 Mbps)
- Equipped with 3 UP-Link RJ45 ports (10/100/1000 Mbps)
- Equipped with 2 UP-Link SFP ports (10/100/1000 Mbps)
- Equipped with 1 UP-Link RJ45 port (10/100 Mbps, K Plus)
- Port status displayed via LED indicators
- Power transmission over the network up to 250 meters
- Total power capacity: 200W
- Device configurable via web interface

YEARS
PLATINUM
GUARANTEE

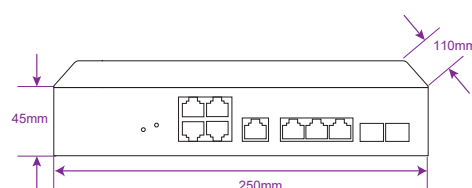


3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability in all conditions
- Certified with the European CE standard mark
- Rack-mountable design (includes mounting ears)
- Certified with ISO 9001, 10002, and 10004
- Enclosure coated with electrostatic paint
- Full metal body
- Ability to receive power and data from DFS 16- and 24-port switches (for Redundant operation with +K technology)



Interfaces	
Total Port	10 Ports
POE Output (Max)	200 Watt
POE Port Control	IC+ IP804AR
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	4 Ports
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	3
Gigabit SFP Uplink Port	2
Combo Uplink Port	N/A
Power Transmit RJ45 Port Fast RJ45 Uplink Port	1 (Female)
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at (Up to 30Watt)
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(100m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	18.2Gb Internal Bandwidth
MAC Table	64Kb
Auto MDI-MDIX	Yes All Ports
Web	Yes - Lite Management (Non-CLI)
Console	N/A
Transfer Pattern	Store & Forward
Features Web Smart	
port configuration	Support port on / off, flow control, rate control, name customization
Web Smart	QOS, Port Mirror

PoE management	Yes /PoE on and off
VLAN	Support 802.11Q VLAN, MTU VLAN, Port VLAN
Security	Port Security, Access IP List, HTTPS Login, IEE 802.1 X MAB (MAC Authentication Bypass)
Hardware	
Processor Type	Realtek
LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount / Desktop
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1, (-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	English
Dimension	250*105*45 mm
Weight	625 g
Storage Temp SMIU	-20°C ~ +70°C / 10% ~ 90% RH
Operation Temp SMIU	-15°C ~ +60°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	Yes (K+ Feature)
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-0802H4SLM

PoE+



Main Functions

- Equipped with 8 PoE ports (10/100/1000 Mbps)
- Equipped with 2 UP-Link SFP ports (10/100/1000 Mbps)
- Port status displayed via LED indicators
- Power transmission over the network up to 250 meters
- Total power capacity: 120W
- Device configurable via web interface

YEARS
PLATINUM
GUARANTEE

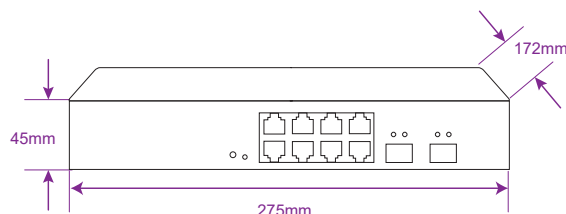


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability in all conditions
- Certified with the European CE standard mark
- Rack-mountable design (includes mounting ears)
- Certified with ISO 9001, 10002, and 10004
- Enclosure coated with electrostatic paint
- Full metal body



Interfaces	
Total Port	10 Ports
POE Output (Max)	120 Watt
POE Port Control	IC+ IP808AR
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	8 Ports
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
Gigabit SFP Uplink Port	2
Combo Uplink Port	N/A
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at (Up to 30Watt)
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	20Gb Internal Bandwidth
MAC Table	64Kb
Auto MDI-MDIX	Yes All Ports
Web	Yes - Lite Managment (Non-CLI)
Console	N/A
Transfer Pattern	Store & Forward
Features Web Smart	
port configuration	Support port on / off, flow control, rate control, name customization
Web Smart	QOS, Port Mirror

PoE management	Yes /PoE on and off
VLAN	Support 802.11Q VLAN, MTU VLAN, Port VLAN
Security	Port Security, Access IP List, HTTPS Login, IEE 802.1 X MAB (MAC Authentication Bypass)
Hardware	
Processor Type	Realtek
LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount / Desktop
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	English
Dimension	250*105*45 mm
Weight	1.198 Kg
Storage Temp SMIU	-20°C ~ +70°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	N/A
LED Power	Yes
Power Cable	N/A
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-0803H2FT

PoE+



Main Functions

- Equipped with 8 PoE ports (10/100 Mbps)
- Equipped with 2 UP-Link RJ45 ports (10/100 Mbps)
- Equipped with 1 UP-Link RJ45 port (10/100 Mbps, K Plus)
- Port status displayed via LED indicators
- Power transmission over the network up to 250 meters
- No device configuration required
- Total power capacity: 200W

YEARS
PLATINUM
GUARANTEE

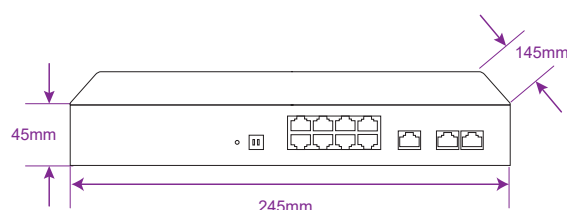


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability in all conditions
- Certified with the European CE standard mark
- Rack-mountable design (includes mounting ears)
- Certified with ISO 9001, 10002, and 10004
- Enclosure coated with electrostatic paint
- Full metal body
- Smart features without the need for configuration, including VLAN, EXTEND, and WATCHDOG
- Ability to receive power and data from DFS 16- and 24-port switches (for Redundant operation with +K technology)



Interfaces	
Total Port	11 Ports
POE Output (Max)	200 Watt
POE Port Control	IC+ IP808AR
Fast RJ45 POE Port	8
Gigabit RJ45 POE Port	N/A
Fast RJ45 Uplink Port	2
Gigabit RJ45 Uplink Port	N/A
Gigabit SFP Uplink Port	N/A
Combo Uplink Port	N/A
Power Transmit RJ45 Port Fast RJ45 Uplink Port	1 (Female)
Dip Switch Ai	Yes
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at
Protocols	CSMA/CD
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port
Cabling	10Base-TX: Cat 3 or above Cat.5 UTP(250m) POE=250M 100Base-TX: Cat 5 UTP(120m) POE=250M 1000Base-TX: Cat 6e UTP or Cat 6 UTP(100m) POE=250M
Bandwidth	2.2Gb Internal Bandwidth
MAC Table	32Kb
Auto MDI-MDIX	Yes All Ports
Console	N/A
Transfer Pattern	Store & Forward
Hardware	
Processor Type	IC+

LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount / Desktop
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)2/1,(-)6/3	Yes
General	
Protection Rating	IP51
Web Language	N/A
Dimension	245*145*45 mm
Weight	1.198 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Function Ai	
Vlan	Yes / By Setting Dip Switch Number 1(P1-P7)
250 Extend	Yes / By Setting Dip Switch Number 2(P1-P7)
Watchdog	Yes / Enabled By Default(P1-P8)
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	Yes (K+ Feature)
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-0803J3FT

PoE+



Main Functions

- Equipped with 7 PoE ports (10/100 Mbps)
- Equipped with 2 UP-Link RJ45 ports (10/100/1000 Mbps)
- Equipped with 1 PoE port (10/100/1000 Mbps)
- Equipped with 1 UP-Link RJ45 port (10/100 Mbps, K Plus)
- Port status displayed via LED indicators
- Power transmission over the network up to 250 meters
- No device configuration required
- Total power capacity: 200W

YEARS
PLATINUM
GUARANTEE

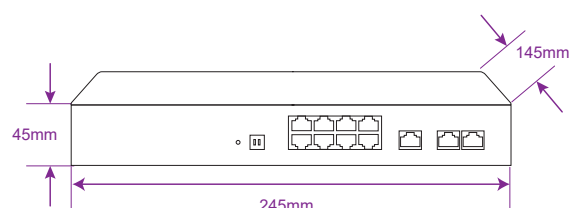


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction
- Intelligent features without the need for configuration, including VLAN, EXTEND, and WATCHDOG
- Ability to receive power and data from DFS 16-port and 24-port switches (for redundant operation with +K technology)



Interfaces	
Total Port	11 Ports
POE Output (Max)	200 Watt
POE Port Control	IC+ IP808AR
Fast RJ45 POE Port	7
Gigabit RJ45 POE Port	1
Gigabit RJ45 Uplink Port	2
Gigabit SFP Uplink Port	N/A
Combo Uplink Port	N/A
Power Transmit RJ45 Port Fast RJ45 Uplink Port	1 (Female)
Dip Switch Ai	Yes
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at
Protocols	CSMA/CD
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP (120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	9.4Gb Internal Bandwidth
MAC Table	32Kb
Auto MDI-MDIX	Yes All Ports
Console	N/A
Transfer Pattern	Store & Forward
Hardware	
Processor Type	IC+ / Realtek

LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount / Desktop
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)2/1,(-)6/3	Yes
General	
Protection Rating	IP51
Web Language	N/A
Dimension	245*145*45 mm
Weight	1.198 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Function Ai	
Vlan	Yes / By Setting Dip Switch Number 1(P1-P7)
250 Extend	Yes / By Setting Dip Switch Number 2(P1-P7)
Watchdog	Yes / Enabled By Default(P1-P8)
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	Yes (K+ Feature)
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-0804H4SF

PoE+



Main Functions

- Equipped with 8 PoE ports (10/100/1000 Mbps)
- Equipped with 2 RJ45 Uplink ports (10/100/1000 Mbps)
- Equipped with 2 SFP Uplink ports (10/100/1000 Mbps)
- Port status indication via LED
- Power transmission over the network up to 250 meters
- No configuration required
- Total power capacity: 200 W

YEARS
PLATINUM
GUARANTEE

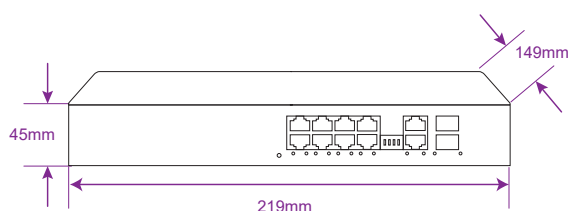


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction
- Intelligent features without the need for configuration, including VLAN, WATCHDOG, EXTEND, and 2.5G SFP



Interfaces	
Total Port	12 Ports
POE Output (Max)	200 Watt
POE Port Control	Dahua XS3124
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	8
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	2
Gigabit SFP Uplink Port	2
Combo Uplink Port	N/A
Dip Switch Ai	Yes
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at
Protocols	CSMA/CD
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250
Bandwidth	24Gb Internal Bandwidth
MAC Table	32Kb
Auto MDI-MDIX	Yes All Ports
Console	N/A
Transfer Pattern	Store & Forward
Hardware	
Processor Type	Econet

LED Panel	POE Activity, Data Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount / Desktop
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	N/A
Dimension	219*149*45 mm
Weight	1.198 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Function Ai	
250 Extend	Yes / By Setting Dip Switch Number 1 (P1-P8)
Vlan	Yes / By Setting Dip Switch Number 2 (P1-P8)
Watchdog	Yes / By Setting Dip Switch Number 3 (P1-P8)
2.5G SFP	Yes / By Setting Dip Switch Number 4 (P1-P8)
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	N/A
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-0804H5SMU

Hi-PoE



Main Functions

- Equipped with 8 PoE ports (10/100/1000 Mbps)
- Equipped with 4 SFP+ Uplink ports
- Port status indication via LED
- Power transmission over the network up to 250 meters
- Total power capacity: 200 W
- Device configurable via web interface
- Configuration via Console port, Telnet, and SSH
- Supports 10 Gbps or 2.5 Gbps speeds depending on the module type

YEARS
PLATINUM
GUARANTEE

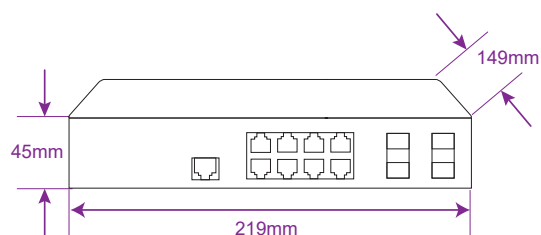
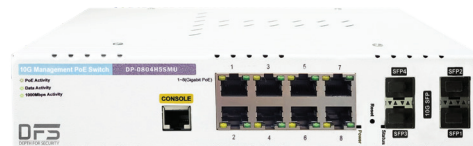


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction



Interfaces	
Total Port	12 Ports
POE Output (Max)	200 Watt
POE Port Control	Realtek 8238B/8239B
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	8 Ports Port 1~4 AT (Up to 30W) Port 5~8 BT (Up to 90W)
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
10 Or 2.5Gigabit SFP Uplink Port	4
Combo Uplink Port	N/A
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at (Up to 30Watt), IEEE802.3bt
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port 1000BASE-TX: 1488000bps/port 10 Gigabit Ethernet 10000Mbps (half duplex), 20000Mbps
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(100m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	96Gb Internal Bandwidth
MAC Table	16Kb
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer2 Management (Telnet / SSH/ CLI)
Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication

Hardware	
Processore Type	Realtek Industrial Type
LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount / Desktop
PD'S	
IP Camera	Yes
IP Phone	Yes
(+2/1,(-)6/3	Yes
General	
Protection Rating	IP51
Web Language	English
Dimension	219*149*45 mm
Weight	1.198 Kg
Processor Temperature Tolerance	Up To +130°C
Storage Temp	-50°C ~ +95°C / 10% ~ 90% RH
Operation Temp	-40°C ~ +80°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	N/A
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-1606J3SFT

PoE+



Main Functions

- Equipped with 14 PoE ports (10/100 Mbps)
- Equipped with 3 RJ45 Uplink ports (10/100/1000 Mbps)
- Equipped with 2 PoE ports (10/100/1000 Mbps)
- Equipped with 2 SFP Uplink ports (10/100/1000 Mbps)
- Equipped with 1 RJ45 Uplink port (10/100 Mbps, K Plus)
- Port status indication via LED
- Power transmission over the network up to 250 meters
- No configuration required
- Total power capacity 400 W

YEARS
PLATINUM
GUARANTEE

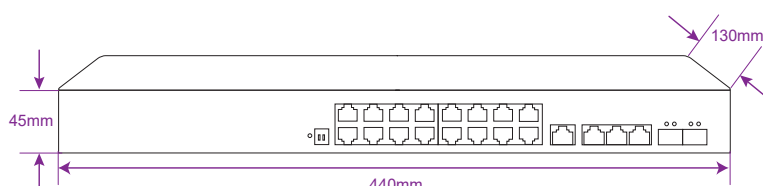


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction
- Intelligent features without the need for configuration, including VLAN, EXTEND, and WATCHDOG
- Ability to deliver power and data to DFS 4-port and 8-port switches (for redundant operation with +K technology)



Interfaces	
Total Port	22 Ports
POE Output (Max)	400 Watt
POE Port Control	IC+ IP808AR
Fast RJ45 POE Port	14
Gigabit RJ45 POE Port	2
Gigabit RJ45 Uplink Port	3
Gigabit SFP Uplink Port	2
Power Transmit RJ45 Port Fast RJ45 Uplink Port	1 (Male)
Combo Uplink Port	N/A
Dip Switch Ai	Yes
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at
Protocols	CSMA/CD
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	13.4Gb Internal Bandwidth
MAC Table	16Kb
Auto MDI-MDIX	Yes All Ports
Console	N/A
Transfer Pattern	Store & Forward
Hardware	
Processor Type	IC+ / Realtek

LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	N/A
Dimension	440*130*45 mm
Weight	1.985 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Function Ai	
Vlan	Yes / By Setting Dip Switch Number 1 (P1-P7)
250 Extend	Yes / By Setting Dip Switch Number 2 (P1-P7)
Watchdog	Yes / Enabled By Default (P1-P16)
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	Yes (K+ Feature)
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-2404J3SFT

PoE+



Main Functions

- 20 PoE ports (10/100 Mbps)
- Equipped with 2 RJ45 Uplink ports (10/100/1000 Mbps)
- 2 SFP uplink ports (10/100/1000 Mbps)
- LED indicators for port status monitoring
- Power transmission over the network up to 250 meters
- Total power budget: 600 W
- Speed support 10 Gbps or 2.5 Gbps (depending on module type)
- No configuration required

YEARS
PLATINUM
GUARANTEE

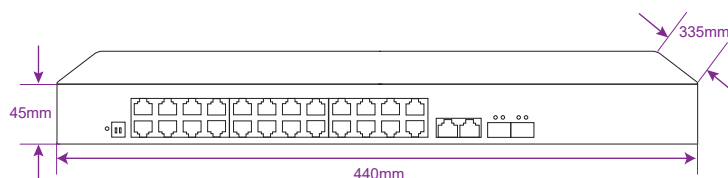


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction
- Intelligent features without the need for configuration, including VLAN, EXTEND, and WATCHDOG
- Ability to transmit power and data to DFS 4-port and 8-port switches (for redundant operation with +K technology)



Interfaces	
Total Port	28 Ports
POE Output (Max)	600 Watt
POE Port Control	IC+ IP808AR
Fast RJ45 POE Port	20
Gigabit RJ45 POE Port	2
Gigabit RJ45 Uplink Port	2
Gigabit SFP Uplink Port	2
Power Transmit RJ45 Port Fast RJ45 Uplink Port	2 (Male)
Combo Uplink Port	N/A
Dip Switch Ai	Yes
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at
Protocols	CSMA/CD
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX:14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	12.4Gb Internal Bandwidth
MAC Table	16Kb
Auto MDI-MDIX	Yes All Ports
Console	N/A
Transfer Pattern	Store & Forward
Hardware	
Processor Type	IC+ / Realtek

LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	N/A
Dimension	440*335*45 mm
Weight	2.6 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Function Ai	
Vlan	Yes / By Setting Dip Switch Number 1 (P1-P7)
250 Extend	Yes / By Setting Dip Switch Number 2 (P1-P7)
Watchdog	Yes / Enabled By Default (P1-P24)
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	Yes (K+ Feature)
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-2407H3SFT

PoE+



Main Functions

- Equipped with 24 PoE ports (10/100 Mbps)
- Equipped with 3 RJ45 Uplink ports (10/100/1000 Mbps)
- Equipped with 3 SFP Uplink ports (10/100/1000 Mbps)
- Equipped with 1 RJ45 Uplink port (10/100 Mbps, K Plus)
- Port status indication via LED
- Power transmission over the network up to 250 meters
- No configuration required
- Total power capacity: 600 W

YEARS
PLATINUM
GUARANTEE

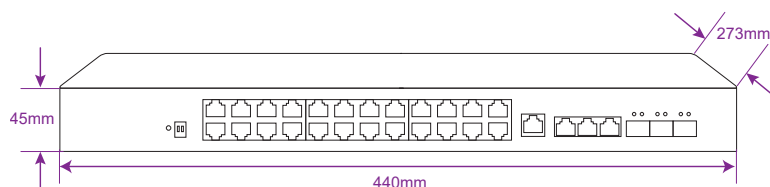


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction
- Intelligent features without the need for configuration, including VLAN and EXTEND
- Ability to transmit power and data to DFS 4-port and 8-port switches (for redundant operation with +K technology)



Interfaces	
Total Port	31 Ports
POE Output (Max)	600 Watt
POE Port Control	IC+ IP808AR
Fast RJ45 POE Port	24
Gigabit RJ45 POE Port	N/A
Gigabit RJ45 Uplink Port	3
Gigabit SFP Uplink Port	3
Combo Uplink Port	N/A
Power Transmit RJ45 Port Fast RJ45 Uplink Port	1 (Male)
Dip Switch Ai	Yes
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at
Protocols	CSMA/CD
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP (120m) POE=250M 1000 Base-TX: Cat 6 UTP or above (100m)
Bandwidth	15Gb Internal Bandwidth(Heavy Traffic Support)
MAC Table	1 MB
Auto MDI-MDIX	Yes All Ports
Console	N/A
Transfer Pattern	Store & Forward
Hardware	
Processor Type	IC+ / Realtek

LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	N/A
Dimension	440*273*45 mm
Weight	3 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Function Ai	
250 Extend	Yes / By Setting Dip Switch Number 1(P1- P8)
Vlan	Yes / By Setting Dip Switch Number 2(P1- P8)
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	Yes (K+ Feature)
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-2408H4SMU

Hi-PoE



Main Functions

- Equipped with 24 PoE ports (10/100/1000 Mbps)
- Equipped with 8 Combo Uplink ports (10/100/1000 Mbps)
- Port status indication via LED
- Power transmission over the network up to 250 meters
- Total power capacity: 600 W
- Device configurable via web interface
- Configuration via Console port and Telnet

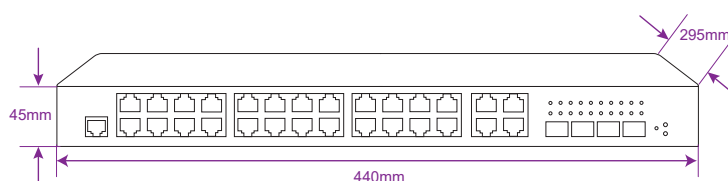
 YEARS
PLATINUM
GUARANTEE


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction
- This product holds a security certification



Interfaces	
Total Port	32 Ports
POE Output (Max)	600 Watt
POE Port Control	Realtek 8238B/8239B
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	24 Port Port 1~4 BT (Up to 90W) - Port 5~24 AT (Up to 30W)
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	4
Gigabit SFP Uplink Port	4
Combo Uplink Port	Yes(Port25~Port32)
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at(Up to 30Watt), IEEE802.3bt
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX:14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	56Gb Internal Bandwidth
MAC Table	64Kb
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer2 Management (Telnet / SSH/ CLI)
Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication

Hardware	
Processor Type	Realtek
LED Panel	POE Activity, Data Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	English
Dimension	440*295*45 mm
Weight	2.65 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	N/A
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-2404H5SM3U

Hi-PoE



Main Functions

- Equipped with 24 PoE ports (10/100/1000 Mbps)
- Equipped with 4 SFP+ Uplink ports
- Port status indication via LED
- Power transmission over the network up to 250 meters
- Total power capacity: 600 W
- Device configurable via web interface
- Configuration via Console port and Telnet
- Supports Layer 3 protocols

YEARS
PLATINUM
GUARANTEE

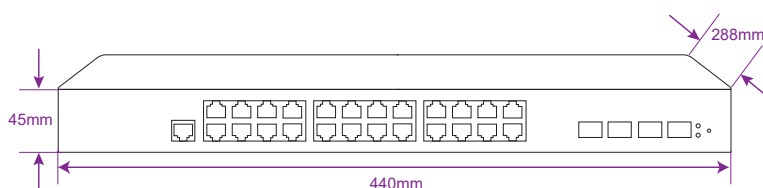


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction



Interfaces	
Total Port	28 Ports
POE Output (Max)	600 Watt
POE Port Control	Realtek 8238B/8239B
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	24 Ports Port 1 BT (Up to 90W) - Port 2~24 AT (Up to 30W)
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
10 Gigabit SFP Uplink Port	4
Combo Uplink Port	N/A
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3ae, IEEE802.3af, IEEE802.3at(Up to 30Watt), IEEE802.3bt
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port 10000BASE-TX: 14880000bps/port 10 Gigabit Ethernet 10000Mbps (half duplex), 20000Mbps
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	128Gb Internal Bandwidth
MAC Table	512Kb
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer3 Management (Telnet / SSH/ CLI)
Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication

Hardware	
Processor Type	Realtek
LED Panel	POE Activity, Data Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount
PD'S	
IP Camera	Yes
IP Phone	Yes
(+2/1,(-)6/3	Yes
General	
Protection Rating	IP51
Web Language	English
Dimension	440*282*45 mm
Weight	2.65 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	N/A
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-4806H5SM

PoE+



Main Functions

- Equipped with 48 PoE ports (10/100/1000 Mbps)
- Equipped with 6 SFP+ Uplink ports
- Port status indication via LED
- Power transmission over the network up to 250 meters
- Total power capacity: 1,200 W
- Device configurable via web interface
- Configuration via Console port and Telnet
- Supports Layer 2 protocols

YEARS
PLATINUM
GUARANTEE

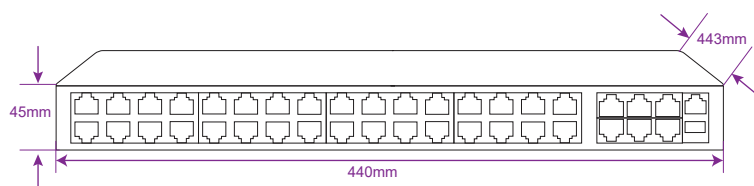


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Panel-mountable device (DIN-Rail)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-aluminum body construction



Interfaces	
Total Port	54 Ports
POE Output (Max)	1200 Watt
POE Port Control	Realtek 8238B/8239B
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	48 Port Port 1~48 AT (Up to 30W)
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
10 Gigabit SFP Uplink Port	6
Combo Uplink Port	N/A
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3ae, IEEE802.3af, IEEE802.3at(Up to 30Watt), IEEE802.3bt
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port 10000BASE-TX: 14880000bps/port 10 Gigabit Ethernet 10000Mbps (half duplex), 20000Mbps
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	216Gb Internal Bandwidth
MAC Table	2 Mb
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer2 Management (Telnet / SSH / CLI)
Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication

Hardware	
Processor Type	Realtek
LED Panel	POE Activity, Data Activity, Power Activity
Main Board	Four Layer
Case	Metal Case
Mounting	Rackmount
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	English
Dimension	440*443*45 mm
Weight	4.5 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	DUAL Input - Redundant 200-240V AC, 50~60Hz
Redundant	Yes
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)

DP-0402H4SMIUH

Hi-PoE



Main Functions

- Equipped with 4 PoE ports (10/100/1000 Mbps)
- Equipped with 2 SFP Uplink ports (10/100/1000 Mbps)
- Port status indication via LED
- Power transmission over the network up to 250 meters
- Total power capacity: 360 W
- Device configurable via web interface
- Configuration via Console port and Telnet

YEARS
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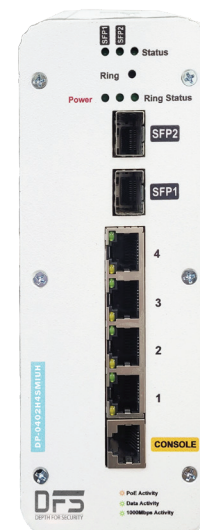
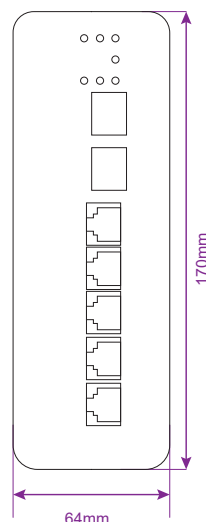


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Panel-mountable device (DIN-Rail)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-aluminum body construction



Interfaces	
Total Port	6 Ports
POE Output (Max)	360 Watt
POE Port Control	Realtek 8239B
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	4 Port Port 1 BT (Up to 90W) - Port 2~4 AT (Up to 30W)
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
Gigabit SFP Uplink Port	2
Combo Uplink Port	N/A
Network Performance	
Standard	IEEE802-3x, IEEE802-3u, IEEE802-3az, IEEE802-3ab, IEEE802-3af, IEEE802-3at (Up to 30Watt), IEEE802-3bt
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(120m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	12Gb Internal Bandwidth
MAC Table	64Kb
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer2 Management (Telnet / SSH/ CLI)
Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication

Hardware	
Processore Type	Realtek Industrial Type
LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Aluminium Case
Mounting	DIN-Rail
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)6/3	Yes
General	
Protection Rating	IP51
Web Language	English
Dimension	170*145*64 mm
Weight	980 g
Processor Temperature Tolerance	Up To +130°C
Storage Temp	-50°C ~ +95°C / 10% ~ 90% RH
Operation Temp	-40°C ~ +80°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	DUAL Input - Redundant 48-54V - 2.5A
Redundant	Yes
LED Power	Yes
Power Cable	N/A
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DP-0804H5SMIUH

Hi-PoE



Main Functions

- Equipped with 8 PoE ports (10/100/1000 Mbps)
- Equipped with 4 SFP+ Uplink ports
- Port status indication via LED
- Power transmission over the network up to 250 meters
- Total power capacity: 480 W
- Device configurable via web interface
- Configuration via Console port, Telnet, and SSH
- Supports 10 Gbps or 2.5 Gbps speeds depending on the module type

YEARS
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GUARANTEE

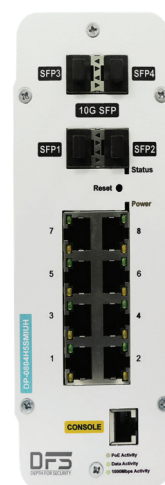
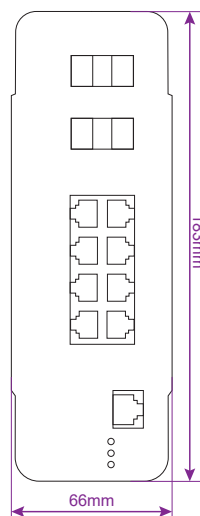


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Panel-mountable device (DIN-Rail)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-aluminum body construction



Interfaces	
Total Port	12 Ports
POE Output (Max)	480 Watt
POE Port Control	Realtek 8238B/8239B
Fast RJ45 POE Port	N/A
Gigabit RJ45 POE Port	8 Ports Port 1~4 AT (Up to 30W) Port 5~8 BT (Up to 90W)
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
10 Or 2.5Gigabit SFP Uplink Port	4
Combo Uplink Port	N/A
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab, IEEE802.3af, IEEE802.3at (Up to 30Watt), IEEE802.3bt
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port 10000BASE-TX: 14880000bps/port 10 Gigabit Ethernet 10000Mbps (half duplex), 20000Mbps
Cabling	10Base-TX: Cat 5 or above (250m) POE=250M 100Base-TX: Cat 6 UTP(100m) POE=250M 1000Base-TX: Cat 6 UTP or above (100m) POE=250M
Bandwidth	96Gb Internal Bandwidth
MAC Table	16Kb
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer2 Management (Telnet / SSH/ CLI)
Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication

Hardware	
Processore Type	Realtek Industrial Type
LED Panel	POE Activity, Data Activity, Redundant Activity, Power Activity
Main Board	Double Layer
Case	Aluminium Case
Mounting	DIN-Rail
Security	Port Security, Access IP List, SSH & HTTPS Login, IEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication
PD'S	
IP Camera	Yes
IP Phone	Yes
(+)/2/1,(-)/6/3	Yes
General	
Protection Rating	IP51
Web Language	English
Dimension	183*147*66 mm
Weight	1.5 Kg
Processor Temperature Tolerance	Up To +130°C
Storage Temp	-50°C ~ +95°C / 10% ~ 90% RH
Operation Temp	-40°C ~ +80°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	DUAL Input - Redundant Min 48-54V - 2.5A
Redundant	Yes
LED Power	Yes
Power Cable	N/A
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)



DR-12052

Main Functions

- Maximum power capacity 130 W

YEAR
GUARANTEE



• 1 year unconditional
Warranty by DFS

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Panel-mountable device (DIN-Rail)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- All-steel body construction



Output	
DC Voltage	52V
Rated Current	2.5A
Current Range	0 ~ 2.5A
Rated Power (Max)	130W
Ripple & Noise (Max)	150mVp-p
Voltage Adj. Range	48 ~ 58V
Voltage Tolerance	±1.0%
Line Regulation	±0.5%
Load Regulation	±0.5%
Setup, Rise, Hold Up Time	2000ms, 70ms, 50ms/400VAC 2000ms, 70ms, 10ms/230VAC at Full Load
Input	
Input Range	200~240VAC
Frequency Range	47 ~ 63Hz
Efficiency (Typ.)	92% / 400V
AC Current	2.3A/230VAC
Inrush Current (Max.)	Cold Start 50A
Leakage Current	<3.5mA / 530VAC
Protection	
Overload	105 ~ 130% Rated Output Power
Over Voltage	57 ~ 63V
Over Temperature	Shut Down O/P Voltage, Recovers Automatically After Temperature Goes Down
Function	
DC OK Signal	Relay Contact Rating(Max-) : 30V / 1A Resistive

Environment	
Working Temp	-25 ~ +70° (Refer to «Derating Curve»)
Working Humidity	20 ~ 90% RH Non-Condensing
Storage Temp., Humidity	-40 ~ +85°, 10 ~ 95% RH
Temp. Coefficient	±0.03% / °C (0 ~ 50°) °C
Vibration	Component: 10 ~ 500Hz, 2G 10Min-/1Cycle, 60Min- Each Along X, Y, Z Axes; Mounting Clip: Compliance To Iec60068-2-6
Safety & EMC	
Safety Standards	UL508, EAC TP TC 004 approved, IEC60950-1 CB approved by SIQ, design refer to GL;(meet EN60204-1)
Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH
EMC Emission	Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EAC TP TC 020
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020
Other	
Mounting	DIN-Rail
Dimension	125*65*92mm
Packing	0.65Kg; 20pcs/14Kg/1.16CUFT
Guarantee	
Product Guarantee	1 Year Guarantee
MTBF	268K hrs min. MIL-HDBK-217F (25°C)

DR-24052



Main Functions

- Maximum power capacity 130 W

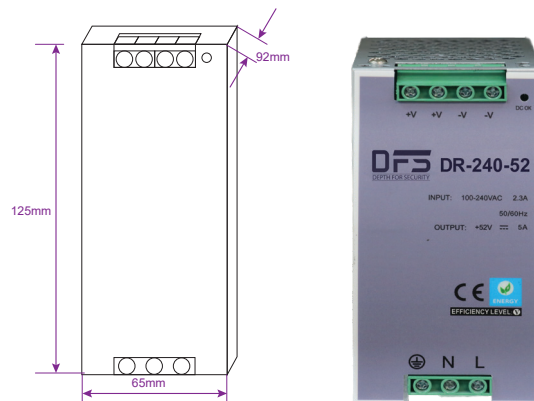
YEAR
GUARANTEE



• 1 year unconditional
Warranty by DFS

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Panel-mountable device (DIN-Rail)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- All-steel body construction



Output	
DC Voltage	52V
Rated Current	5A
Current Range	0 ~ 2.5A
Rated Power (Max)	260W
Ripple & Noise (Max)	150mVp-p
Voltage Adj. Range	48 ~ 58V
Voltage Tolerance	±1.0%
Line Regulation	±0.5%
Load Regulation	±0.5%
Setup, Rise, Hold Up Time	2000ms, 70ms, 50ms/400VAC 2000ms, 70ms, 10ms/230VAC at Full Load
Input	
Input Range	100~240VAC
Frequency Range	47 ~ 63Hz
Efficiency (Typ.)	92% / 400V
AC Current	2.3A/230VAC
Inrush Current (Max.)	Cold Start 50A
Leakage Current	<3.5mA / 530VAC
Protection	
Overload	105 ~ 130% Rated Output Power
Over Voltage	57 ~ 63V
Over Temperature	Shut Down O/P Voltage, Recovers Automatically After Temperature Goes Down
Function	
DC OK Signal	Relay Contact Rating(Max.) : 30V / 1A Resistive

Environment	
Working Temp	-25 ~ +70° (Refer to «Derating Curve»)
Working Humidity	20 ~ 90% RH Non-Condensing
Storage Temp., Humidity	-40 ~ +85°, 10 ~ 95% RH
Temp. Coefficient	±0.03% / °C (0 ~ 50°) °C
Vibration	Component: 10 ~ 500Hz, 2G 10Min-/1Cycle, 60Min- Each Along X, Y, Z Axes; Mounting Clip: Compliance To Iec60068-2-6
Safety & EMC	
Safety Standards	UL508, EAC TP TC 004 approved, IEC60950-1 CB approved by SIQ, design refer to GL(meet EN60204-1)
Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH
EMC Emission	Compliance to EN55011 (CISPR11), EN55032 (CISPR32), EN61204-3 Class B, EAC TP TC 020
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020
Other	
Mounting	DIN-Rail
Dimension	125*65*92mm
Packing	0.65Kg; 20pcs/14Kg/1.16CUFT
Guarantee	
Product Guarantee	1 Year Guarantee
MTBF	268K hrs min. MIL-HDBK-217F (25°C)



DC-1200H4SM

Main Functions

- Equipped with 10 SFP ports (10/100/1000 Mbps)
- Equipped with 2 Gigabit RJ45 ports (10/100/1000 Mbps)
- Port status indication via LED
- Device configurable via web interface
- Configuration via Console port and Telnet

YEARS
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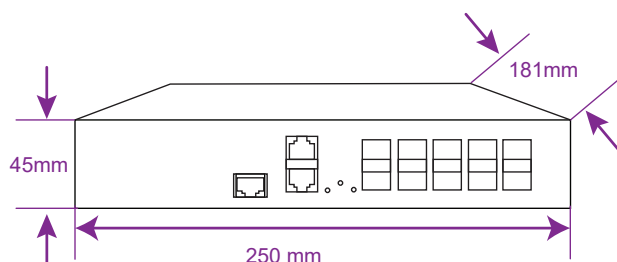


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction



Interfaces	
Total Port	12 Ports
POE Output (Max)	N/A
POE Port Control	N/A
Fast RJ45 POE Port	N/A
Gigabit RJ45 Port	2
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
Gigabit SFP Uplink Port	10
Combo Uplink Port	N/A
Network Performance	
Standard	IEEE802.3x, IEEE802.3u, IEEE802.3az, IEEE802.3ab
Protocols	CSMA/CD
Router	N/A
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port
Cabling	10Base-TX: Cat 5 or above (100m) 100Base-TX: Cat 6 UTP (100m) 1000Base-TX: Cat 6 UTP or above (100m)
Bandwidth	24Gb Internal Bandwidth
MAC Table	64Kb
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer2 Management (Telnet / SSH/ CLI)
Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication

Hardware	
Processor Type	Realtek
LED Panel	Data Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount
PD'S	
IP Camera	N/A
IP Phone	N/A
(+)5/4,(-)8/7	N/A
(+)2/1,(-)6/3	N/A
General	
Protection Rating	IP51
Web Language	English
Dimension	250*181*45 mm
Weight	1200 g
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	N/A
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)

DC-2800H5SM3



Main Functions

- Equipped with 16 SFP ports (10/100/1000 Mbps)
- Equipped with 8 Gigabit RJ45 ports (10/100/1000 Mbps)
- Equipped with 4 SFP+ Uplink ports
- Port status indication via LED
- Device configurable via web interface
- Configuration via Console port and Telnet

YEARS
PLATINUM
GUARANTEE

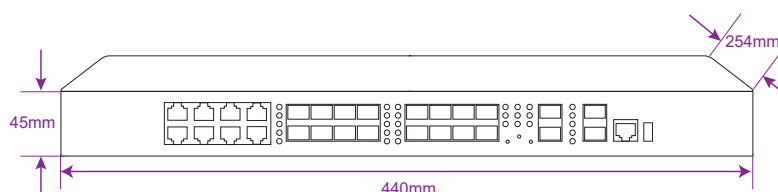


• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction



Interfaces	
Total Port	28 Ports
POE Output (Max)	N/A
POE Port Control	N/A
Fast RJ45 POE Port	N/A
Gigabit RJ45 Port	8
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
Gigabit SFP Uplink Port	16
10 Gigabit SFP Uplink Port	4
Storage Port	Yes 1(Usb 2.0)
Combo Uplink Port	N/A
Network Performance	
Standard	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3av, IEEE 802.3x, IEEE 802.3ad, IEEE 802.1v, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p
Protocols	CSMA/CD
Router	Yes
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port 10 Gigabit Ethernet 10000Mbps (half duplex), 20000Mbps
Cabling	10Base-TX: Cat 5 or above (100m) 100Base-TX: Cat 6 UTP (100m) 1000Base-TX: Cat 6 UTP or above (100m)
Bandwidth	128Gb Internal Bandwidth
MAC Table	16Kb
Jumbo Frame	12KB
Packet Buffer	16Mb
Packet Forwarding Rate	95.23 Mp/s (Mega Packet Per Second)
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer3 Management (Telnet / SSH/ CLI)

Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication
Hardware	
Processor Type	Realtek
LED Panel	POE Activity, Data Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount
PD'S	
IP Camera	N/A
IP Phone	N/A
(+)5/4,(-)8/7	N/A
(+)2/1,(-)6/3	N/A
General	
Protection Rating	IP51
Web Language	English
Dimension	440*179*45 mm
Weight	2.525 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	DUAL Input, 200~240V AC, 50~60Hz
Redundant	Yes
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)



DC-3800H5SM3

Main Functions

- Equipped with 24 SFP ports (10/100/1000 Mbps)
- Equipped with 8 Gigabit RJ45 ports (10/100/1000 Mbps)
- Equipped with 6 SFP+ Uplink ports
- Port status indication via LED
- Device configurable via web interface
- Configuration via Console port and Telnet
- Supports Layer 3 protocols

YEARS
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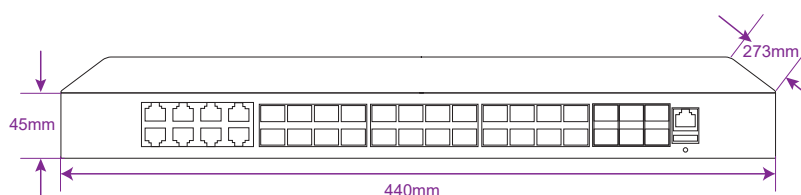


3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages

Other advantages

- Unique hardware design for stability under all conditions
- Certified with the European CE standard mark
- Rack-mountable device (equipped with mounting ears)
- Certified with ISO 9001, ISO 10002, and ISO 10004
- Enclosure coated with electrostatic paint
- All-metal body construction

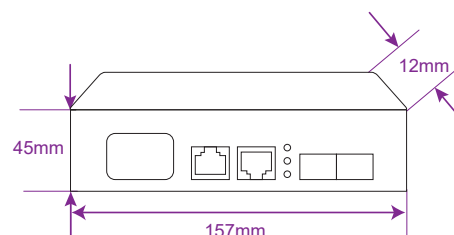


Interfaces	
Total Port	38 Ports
POE Output (Max)	N/A
POE Port Control	N/A
Fast RJ45 POE Port	N/A
Gigabit RJ45 Port	8
Fast RJ45 Uplink Port	N/A
Gigabit RJ45 Uplink Port	N/A
Gigabit SFP Uplink Port	24
10 Gigabit SFP Uplink Port	6
Combo Uplink Port	Yes (Port 1~8)
Network Performance	
Standard	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3av, IEEE 802.3x, IEEE 802.3ad, IEEE 802.1v, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p
Protocols	CSMA/CD
Router	Yes
Speed	Ethernet 10Mbps (half duplex), 20Mbps (full duplex); 10BASE-T: 14,880bps/port Fast Ethernet 100Mbps (half duplex), 200Mbps (full duplex); 100BASE-TX: 14,880bps/port Gigabit Ethernet 1000Mbps (half duplex), 2000Mbps (full duplex); 1000BASE-TX: 1488000bps/port 10 Gigabit Ethernet 10000Mbps (half duplex), 20000Mbps
Cabling	10Base-TX: Cat 5 or above (100m) 100Base-TX: Cat 6 UTP (100m) 1000Base-TX: Cat 6 UTP or above (100m)
Bandwidth	184Gb Internal Bandwidth
MAC Table	64Kb
Auto MDI-MDIX	Yes All Ports
Console	Yes - Web & RS232 Layer3 Management (Telnet / SSH/ CLI)
Transfer Pattern	Store & Forward
Feature	
Security	Port Security, Access IP List, SSH & HTTPS Login, IEEE 802.1X MAB (MAC Authentication Bypass) / Radius Server Authentication

Hardware	
Processor Type	Realtek
LED Panel	POE Activity, Data Activity, Power Activity
Main Board	Double Layer
Case	Metal Case
Mounting	Rackmount
PD'S	
IP Camera	N/A
IP Phone	N/A
(+)5/4,(-)8/7	N/A
(+)2/1,(-)6/3	N/A
General	
Protection Rating	IP51
Web Language	English
Dimension	440*273*45 mm
Weight	2.900 kg
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	N/A
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min· MIL-HDBK-217F (25°)

YEARS
PLATINUM
GUARANTEE

- Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages



PD'S	
IP Camera	N/A
IP Phone	N/A
(+)4/5,(-)7/8	N/A
(+)1/2,(-)3/6	N/A
General	
IP Rating	IP51
Web Language	N/A
Dimension	157*112*45 mm
Weight	505 g
Storage Temp	-20°C ~ +60°C / 10% ~ 90% RH
Operation Temp	-15°C ~ +50°C / 10% ~ 90% RH
Radiation Electromagnetic	EN55016
Status	
LED	Ethernet Interfaces 1000 LNK/ACT (Orange), 10/100 LNK/ACT (Green)
Power Supply	
Power	200~240V AC, 50~60Hz
Redundant	Yes (K+ Feature)
LED Power	Yes
Power Cable	Available
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)



Management Switch Function List

L3 Features

L3 Routing	Multicast Routing
128 IPv4 Interface entries	Static Multicast Route
256 IPv4 Static Routing entries	PIM-DM/SM
8K IPv4 Dynamic Routing entries	ARP Proxy
RIP v1, v2	DHCP Server/Relay
OSPF v1, v2, v3	VRRP
IGMP v1, v2, v3	BFD

L2 Features

Link Aggregation	Loopback Detection
static link aggregation	Flow Control
802.3ad LACP	802.3x Flow Control
Up to 64 aggregation groups, containing 8 ports per group	Port Mirroring
Spanning Tree Protocol	One-to-One
802.1D STP	Many-to-One
802.1w RSTP	Flow-Based
802.1s MSTP	Tx/Rx/Both
32 MSTP Instance	LLDP, LLDP-MED
STP Security: Loop back detection, TC Protect, BPDU Filter/Protect, Root Protect	

L2 Multicast

1024 IGMP groups	MLD Snooping
IGMP Snooping	MLD v1/v2 Snooping
IGMP v1/v2/v3 Snooping	MLD Snooping Querier
IGMP Fast Leave	Fast Leave
MVR	Limited IP Multicast
IGMP Snooping Querier	Static Multicast Forwarding
Limited IP Multicast	
Static Multicast Forwarding	

VLAN

VLAN Group	
4K VLAN Groups	
802.1Q tag VLAN	VLAN VPN (QinQ)
MAC VLAN	GVRP
Protocol VLAN	Private VLAN
Port-based VLANs	
Up to 4096 VLAN	

support Voice VLAN, can configure QoS for voice data
802.1Q VLAN

QoS

Class of Service	Diffserv
Port Priority	Diffserv Class
802.1p CoS/DSCP priority	Diffserv Policy
8 Priority Queues	Diffserv Service
Queue Schedule Mode	Auto-VoIP
Bandwidth Control	Voice VLAN
Port/Flow based Rate Limiting	
Storm Control	
802.1p port queue priority algorithm	
Cos/Tos, QoS sign	
WRR (Weighted Round Robin), Weighted priority rotation algorithm	
WRR, SP, WFQ, 3 priority scheduling models	

ACL

VLAN ID	IP Protocol
User Priority	TCP Flag
EtherType	TCP/UDP Port
Standard IP ACL	DSCP/IP TOS
Source IP	
Destination IP	
Time based ACL	

Security

AAA	802.1X
DHCP Snooping	Port based authentication
IP-MAC-Port Binding: Up to 32768 entries	MAC(Host) based authentication
ARP Inspection: Up to 32768 entries	Guest VLAN
IP Source Guard: Up to 1020 entries	Support Radius authentication and accountability
Static/Dynamic Port Security	Port Isolation
Up to 64 MAC addresses per port	MAC Filtering
Broadcast/Multicast/Unicast Storm Control	Secure web management through
kbps/ratio/pps control mode	HTTPS with SSLv3/TLS1.3
IP/Port/MAC based access control	Secure Command Line Interface(CLI)
Defense	management with SSHv1/SSHv2

User port+ IP Address+ MAC Address
ACL based on IP and MAC
Security properties of port based MAC address quantities

Management

Web-based GUI	CPU Monitoring
Command Line Interface(CLI) through console port, telnet	Cable Diagnostics
SNMPv1/v2c/v3	Access Control
SNMP Trap/Inform	SNTP
RMON (1,2,3,9 groups)	System Log
DHCP Option82	Dual Image
	IPv6 Management
	PPPoE Circuit ID
	HTTP/TFTP File Transfer

MIBs

MIB II (RFC1213)	
Interface MIB (RFC2233)	RMON2 MIB (RFC2021)
Ethernet Interface MIB (RFC1643)	Radius Accounting Client MIB (RFC2620)
Bridge MIB (RFC1493)	Radius Authentication Client MIB(RFC2618)
P/Q-Bridge MIB (RFC2674)	Remote Ping, Traceroute MIB (RFC2925)
RMON MIB (RFC2819)	

Spanning Tree

STP(Spanning tree protocol)
RSTP(Rapid spanning tree protocol)
MSTP(Rapid spanning tree protocol)
EPPS(Ring network protocol)
EAPS(Ring network protocol)
802.1x argumentation agreement

Link Aggregation

Max 8 aggregation groups TRUNK, each supports 8 ports

Port Mirror

Many-to-one port mirroring

Loop Guard

Loop protection function, real-time detection, rapid alarm, accurate positioning, intelligent blocking, automatic recovery

Port Isolation

Support downlink ports isolated from each other and communicate with uplink port

Port Flow Control

Half duplex based back pressure control
Full duplex based on PAUSE frame

Line Rate

Support downlink ports isolated from each other and communicate with upstream port

IGMP Snooping

IGMPv1/2/3 and MLDv1/2
GMRP Protocol Registration
Multicast address management, multicast VLAN, multicast routing ports, static multicast addresses

DHCP

DHCP Snooping

Storm Suppression

UnDNown unicast, multicast, unDNown multicast, storm suppression of broadcast type
Storm suppression based on bandwidth tuning and storm filtering

Cable Sequence

Auto-MDIX; auto identification of straight-through cables and crossover cables

Negotiation Mode

Port supports automatic negotiation (self-negotiation transmission rate and duplex mode)

System Maintenance

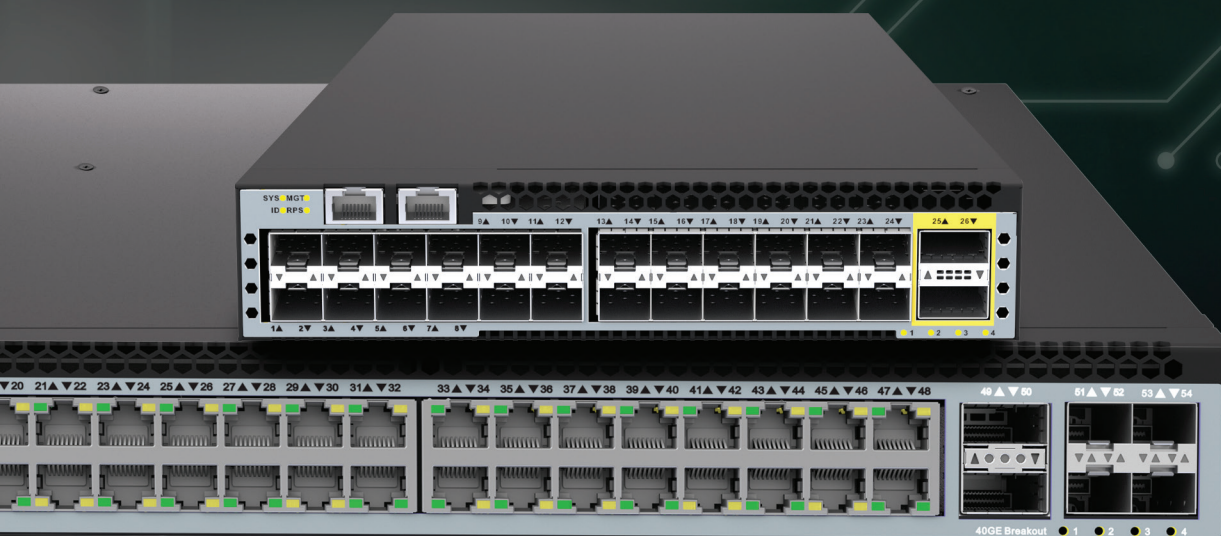
Upgrade package upload
System log view
WEB restore factory configuration

Network Management

WEB NMS
CLI management based on Telnet, TFTP, Console
SNMP V1/V2/V3;
RMON V1/V2
RMON Management

CORE NETWORK SWITCH

A Review of Technology



Carbon Series

DS-C24G-TP-6HQ



Main Functions

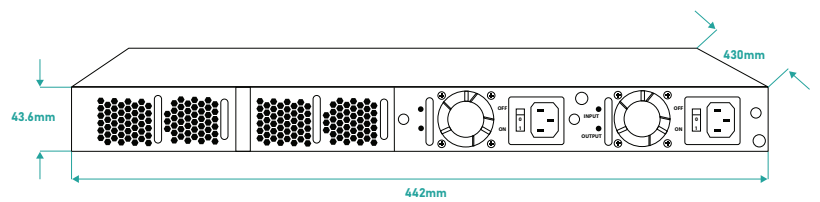
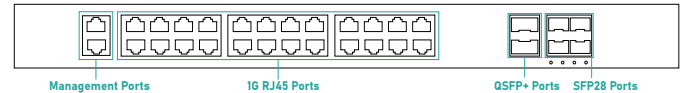
- Equipped with 24 PoE ports (10/100/1000 Mbps)
- Equipped with 2x 40G QSFP+ Uplink Ports
- 4x 25G SFP28 Uplink Ports
- Redundant Dual Power Supplies (Hot-Swappable)
- Serviceable Cooling System: Field-Serviceable / Modular Fan Design
- 740W Total Power Budget
- Real-time LED Port Status Indicators
- Intuitive Web-Based Interface (GUI)
- Advanced CLI via Console Port & Telnet

YEARS
PLATINUM
GUARANTEE



3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages



Interface	
Total Port	32 Ports
POE Output (Max)	740W
PoE Standard	IEEE802.3af/at(PoE+)
Gigabit RJ45 POE Port	24 * 10/100/1G BASE-T
SFP28 Uplink Port	4
QSFP Uplink Port	2
QSFP28 Uplink Port	N/A
Management Ports	1*Console Port (RJ45) 1* Ethernet Management Port (RJ45)
Hardware	
CPU	Dual-core processor, ARM A53
Flash Memory	8GB EMMC (OS) 4MB SPI Flash (Boot)
DRAM	2GB
Fans	2*Hot-swappable Fan
Airflow	Front-to-Rear
Switching Capacity	408Gbps (bidirectional)
Forwarding Rate	607Mpps
MAC address	98304
Switching Hardware Platform	
Jumbo Frame	9600
MAC scale	98,304 unicast, 2,048 multicast
VLANs	4,094 IDs, 4,094 instances
Link aggregation	64 groups, convergence <50 ms
Protection	STP (<30s), RSTP/MSTP (<1s), ERPS (<50 ms)
OAM	IEEE 802.1ag CFM, 1,024 sessions, CCM intervals down to 3.3 ms
Routing scale	IPv4 FIB up to 57,344; IPv6 FIB up to 6,144
QoS	Per-port queues, granular policing/shaping, IPFIX visibility
Security	MACsec, ACLs, DHCP Snooping, IP Source Guard

Software Highlights	
Software License	EB, Basic L3 software features, Preinstalled MS, L3 enhance features software license key
Basic License (Pre-installed)	VLANs, QinQ, STP/RSTP/MSTP, IGMP Snooping, static IPv4 routes, VRRP, ACLs, DHCP Snooping, QoS policing/shaping, SNMP/Web/CLI
Advanced License (Optional)	OSPFv2/v3, BGP, IS-IS, PIM-SM/DM, IPv6 routing, MPLS/VPLS, VXLAN with BGP EVPN, ERPS multi-ring, advanced OAM (802.1ag, Y.1731), MACsec, sFlow/IPFIX, RPC-API, Smart Config
General	
Protection Rating	IP51
Web Language	English
Dimension (W*H*D)	442*430*43.6mm
Weight	7.36kg
Storage Temperature	-40°C to 70°C
Operating Temperature	0°C to 45°C
Storage Humidity	0 to 95% (Non-condensing)
Operating Humidity	10% to 90% (Non-condensing)
Temperature Alarm	50°C
Altitude	5000m
Power Supply	
Power Supply	2*500 W hot-swappable PSU
Redundant	Yes
LED Power	Yes
Power consumption	54W
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	≥90000h (~10.3 Years)

DS-C24G-T-6HQ

Main Functions

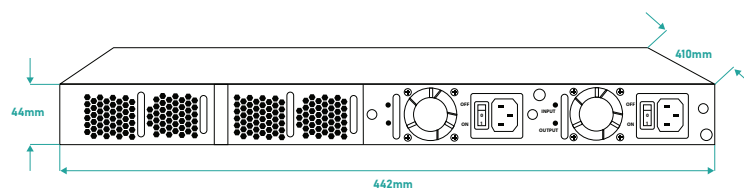
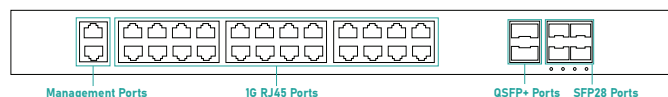
- Equipped with 24x 1G RJ45 Ports (10/100/1000 Mbps supported)
- 2x 40G QSFP+ Uplink Ports
- 4x 25G SFP28 Uplink Ports
- Redundant Dual Power Supplies (Hot-Swappable)
- Serviceable Cooling System: Field-Serviceable / Modular Fan Design
- Real-time LED Port Status Indicators
- Intuitive Web-Based Interface (GUI)
- Advanced CLI via Console Port & Telnet

YEARS
PLATINUM
GUARANTEE



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Interface	
Total Port	32 Ports
Gigabit RJ45 Port	24
SFP28 Uplink Port	4
QSFP Uplink Port	2
QSFP28 Uplink Port	N/A
Management Ports	1*Console Port (RJ45) 1* Ethernet Management Port (RJ45)
Hardware	
CPU	Dual-core processor, ARM A53
Flash Memory	8GB EMMC (OS) 4MB SPI Flash (Boot)
DRAM	2GB
Fans	2*Hot-swappable Fan
Airflow	Front-to-Rear
Switching Capacity	408Gbps (bidirectional)
Forwarding Rate	607Mpps
MAC address	98304
Switching Hardware Platform	
Jumbo Frame	9600
MAC scale	98,304 unicast, 2,048 multicast
VLANs	4,094 IDs, 4,094 instances
Link aggregation	64 groups, convergence <50 ms
Protection	STP (<30s), RSTP/MSTP (<1s), ERPS (<50 ms)
OAM	IEEE 802.1ag CFM, 1,024 sessions, CCM intervals down to 3.3 ms
Routing scale	IPv4 FIB up to 57,344; IPv6 FIB up to 6,144
QoS	Per-port queues, granular policing/shaping, IPFIX visibility
Security	MACsec, ACLs, DHCP Snooping, IP Source Guard

Software Highlights	
Software License	EB, Basic L3 software features, Preinstalled MS, L3 enhance features software license key
Basic License (Pre-installed)	VLANs, QinQ, STP/RSTP/MSTP, IGMP Snooping, static IPv4 routes, VRRP, ACLs, DHCP Snooping, QoS policing/shaping, SNMP/Web/CLI
Advanced License (Optional)	OSPFv2/v3, BGP, IS-IS, PIM-SM/DM, IPv6 routing, MPLS/VPLS, VXLAN with BGP EVPN, ERPS multi-ring, advanced OAM (802.1ag, Y.1731), MACsec, sFlow/IPFIX, RPC-API, Smart Config
General	
Protection Rating	IP51
Web Language	English
Dimension (W*H*D)	442*410*44mm
Weight	6.67kg
Storage Temperature	-40°C to 70°C
Operating Temperature	0°C to 45°C
Storage Humidity	0 to 95% (Non-condensing)
Operating Humidity	10% to 90% (Non-condensing)
Temperature Alarm	50°C
Altitude	5000m
Power Supply	
Power Supply	2*120 W hot-swappable PSU
Redundant	Yes
LED Power	Yes
Power consumption	36W
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	≥90000h (~10.3 Years)

DS-C48G-TP-6HQ



Main Functions

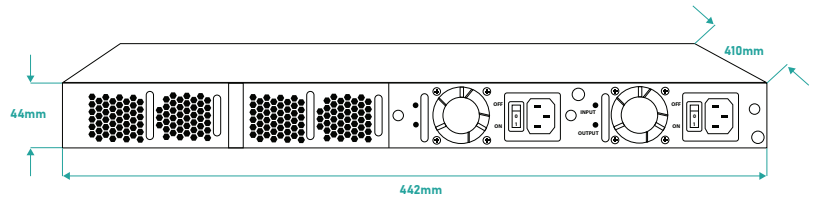
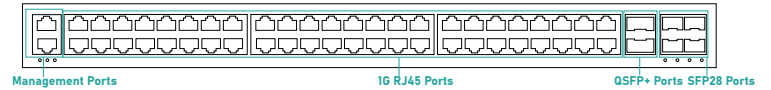
- Equipped with 48 x PoE ports (10/100/1000 Mbps)
- 2x 40G QSFP+ Uplink Ports
- 4x 25G SFP28 Uplink Ports
- Redundant Dual Power Supplies (Hot-Swappable)
- Serviceable Cooling System: Field-Serviceable / Modular Fan Design
- 740W Total Power Budget
- Real-time LED Port Status Indicators
- Intuitive Web-Based Interface (GUI)
- Advanced CLI via Console Port & Telnet

YEARS
PLATINUM
GUARANTEE



• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages



Interface	
Total Port	56 Ports
POE Output (Max)	330W
PoE Standard	IEEE802.3af/at(PoE+)
Gigabit RJ45 POE Port	48 * 10/100/1G BASE-T
SFP28 Uplink Port	4
QSFP Uplink Port	2
QSFP28 Uplink Port	N/A
Management Ports	1*Console Port (RJ45) 1* Ethernet Management Port (RJ45)
Hardware	
CPU	Dual-core processor, ARM A53
Flash Memory	8GB EMMC (OS) 4MB SPI Flash (Boot)
DRAM	2GB
Fans	2*Hot-swappable Fan
Airflow	Front-to-Rear
Switching Capacity	408Gbps (bidirectional)
Forwarding Rate	607Mpps
MAC address	98304
Switching Hardware Platform	
Jumbo Frame	9600
MAC scale	98,304 unicast, 2,048 multicast
VLANs	4,094 IDs, 4,094 instances
Link aggregation	64 groups, convergence <50 ms
Protection	STP (<30s), RSTP/MSTP (<1s), ERPS (<50 ms)
OAM	IEEE 802.1ag CFM, 1,024 sessions, CCM intervals down to 3.3 ms
Routing scale	IPv4 FIB up to 57,344; IPv6 FIB up to 6,144
QoS	Per-port queues, granular policing/shaping, IPFIX visibility
Security	MACsec, ACLs, DHCP Snooping, IP Source Guard

Software Highlights	
Software License	EB, Basic L3 software features, Preinstalled MS, L3 enhance features software license key
Basic License (Pre-installed)	VLANs, QinQ, STP/RSTP/MSTP, IGMP Snooping, static IPv4 routes, VRRP, ACLs, DHCP Snooping, QoS policing/shaping, SNMP/Web/CLI
Advanced License (Optional)	OSPFv2/v3, BGP, IS-IS, PIM-SM/DM, IPv6 routing, MPLS/VPLS, VXLAN with BGP EVPN, ERPS multi-ring, advanced OAM (8 02.1ag, Y-1731), MACsec, sFlow/IPFIX, RPC-API, Smart Config
General	
Protection Rating	IP51
Web Language	English
Dimension (W*H*D)	442*44*410mm
Weight	7.76kg
Storage Temperature	-40°C to 70°C
Operating Temperature	0°C to 45°C
Storage Humidity	0 to 95% (Non-condensing)
Operating Humidity	10% to 90% (Non-condensing)
Temperature Alarm	50°C
Altitude	5000m
Power Supply	
Power Supply	2*500 W hot-swappable PSU
Redundant	Yes
LED Power	Yes
Power consumption	58W
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	≥90000h (~10.3 Years)

DS-C48G-T-6HQ



Main Functions

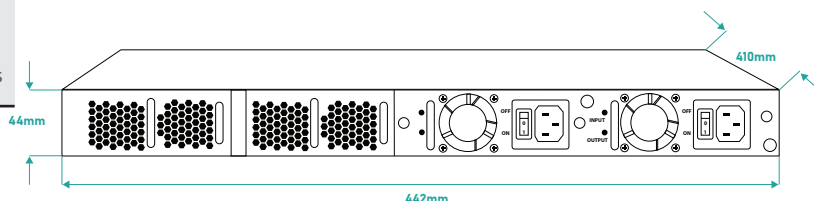
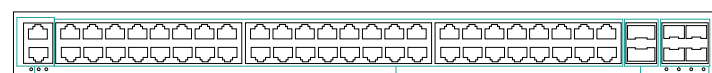
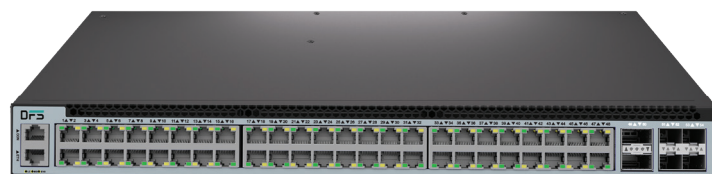
- Equipped with 48 x 1G RJ45 Ports (10/100/1000 Mbps supported)
- 2x 40G QSFP+ Uplink Ports
- 4x 25G SFP28 Uplink Ports
- Redundant Dual Power Supplies (Hot-Swappable)
- Serviceable Cooling System: Field-Serviceable / Modular Fan Design
- Real-time LED Port Status Indicators
- Intuitive Web-Based Interface (GUI)
- Advanced CLI via Console Port & Telnet

YEARS
PLATINUM
GUARANTEE



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Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages



Interface	
Total Port	56 Ports
Gigabit RJ45 Port	48 * 10/100/1G BASE-T
SFP28 Uplink Port	4
QSFP Uplink Port	2
QSFP28 Uplink Port	N/A
Management Ports	1*Console Port (RJ45) 1* Ethernet Management Port (RJ45)
Hardware	
CPU	Dual-core processor, ARM A53
Flash Memory	8GB EMMC (OS) 4MB SPI Flash (Boot)
DRAM	2GB
Fans	2*Hot-swappable Fan
Airflow	Front-to-Rear
Switching Capacity	408Gbps (bidirectional)
Forwarding Rate	607Mpps
MAC address	98304
Switching Hardware Platform	
Jumbo Frame	9600
MAC scale	98,304 unicast, 2,048 multicast
VLANs	4,094 IDs, 4,094 instances
Link aggregation	64 groups, convergence <50 ms
Protection	STP (<30s), RSTP/MSTP (<1s), ERPS (<50 ms)
OAM	IEEE 802.1ag CFM, 1,024 sessions, CCM intervals down to 3.3 ms
Routing scale	IPv4 FIB up to 57,344; IPv6 FIB up to 6,144
QoS	Per-port queues, granular policing/shaping, IPFIX visibility
Security	MACsec, ACLs, DHCP Snooping, IP Source Guard

Software Highlights	
Software License	EB, Basic L3 software features, Preinstalled MS, L3 enhance features software license key
Basic License (Pre-installed)	VLANs, QinQ, STP/RSTP/MSTP, IGMP Snooping, static IPv4 routes, VRRP, ACLs, DHCP Snooping, QoS policing/shaping, SNMP/Web/CLI
Advanced License (Optional)	OSPFv2/v3, BGP, IS-IS, PIM-SM/DM, IPv6 routing, MPLS/VPLS, VXLAN with BGP EVPN, ERPS multi-ring, advanced OAM (802.1ag, Y.1731), MACsec, sFlow/IPFIX, RPC-API, Smart Config
General	
Protection Rating	IP51
Web Language	English
Dimension (W*H*D)	442*44*410mm
Weight	7.16kg
Storage Temperature	-40°C to 70°C
Operating Temperature	0°C to 45°C
Storage Humidity	0 to 95% (Non-condensing)
Operating Humidity	10% to 90% (Non-condensing)
Temperature Alarm	50°C
Altitude	5000m
Power Supply	
Power Supply	2*120 W hot-swappable PSU
Redundant	Yes
LED Power	Yes
Power consumption	59W
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	≥90000h (~10.3 Years)

DS-C24H-X-8Y

Main Functions

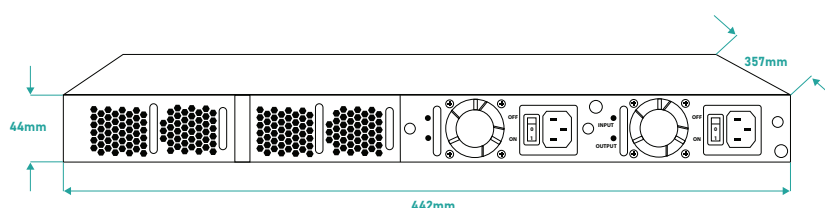
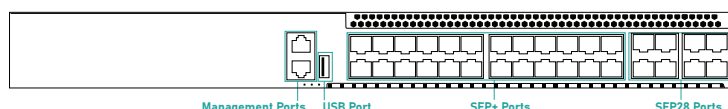
- Equipped with 24 x 10G SFP+ Ports
- Equipped with 8 x 25G SFP28 Uplink Ports
- Redundant Dual Power Supplies (Hot-Swappable)
- Serviceable Cooling System: Field-Serviceable / Modular Fan Design
- Real-time LED Port Status Indicators
- Intuitive Web-Based Interface (GUI)
- Advanced CLI via Console Port & Telnet

YEARS
PLATINUM
GUARANTEE



• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages



Interface	
Total Port	35 Ports
SFP+ Port	24
SFP28 Uplink Port	8
QSFP Uplink Port	N/A
QSFP28 Uplink Port	N/A
Management Ports	1* Console Port (RJ45) 1* Ethernet Management Port (RJ45) 1* USB Port
Hardware	
CPU	Dual-core processor, ARM A53
Flash Memory	8GB EMMC (OS) 4MB SPI Flash (Boot)
DRAM	2GB
Fans	2*Hot-swappable Fan
Airflow	Front-to-Rear
Switching Capacity	880Gbps (bidirectional)
Forwarding Rate	1309.44Mpps
MAC address	98304
Switching Hardware Platform	
Jumbo Frame	9600
MAC scale	98,304 unicast, 2,048 multicast
VLANs	4,094 IDs, 4,094 instances
Link aggregation	64 groups, convergence <50 ms
Protection	STP (<30s), RSTP/MSTP (<1s), ERPS (<50 ms)
OAM	IEEE 802.1ag CFM, 1,024 sessions, CCM intervals down to 3.3 ms
Routing scale	IPv4 FIB up to 57,344; IPv6 FIB up to 6,144
QoS	Per-port queues, granular policing/shaping, IPFIX visibility
Security	MACsec, ACLs, DHCP Snooping, IP Source Guard

Software Highlights	
Software License	EB, Basic L3 software features, Preinstalled MS, L3 enhance features software license key
Basic License (Pre-installed)	VLANs, QinQ, STP/RSTP/MSTP, IGMP Snooping, static IPv4 routes, VRRP, ACLs, DHCP Snooping, QoS policing/shaping, SNMP/Web/CLI
Advanced License (Optional)	OSPFv2/v3, BGP, IS-IS, PIM-SM/DM, IPv6 routing, MPLS/VPLS, VXLAN with BGP EVPN, ERPS multi-ring, advanced OAM (802.1ag, Y-1731), MACsec, sFlow/IPFIX, RPC-API, Smart Config
Physical Specifications	
Protection Rating	IP51
Web Language	English
Dimension (W*H*D)	442*44*357mm
Weight	5kg
Storage Temperature	-40°C to 70°C
Operating Temperature	0°C to 45°C
Storage Humidity	0 to 95% (Non-condensing)
Operating Humidity	10% to 90% (Non-condensing)
Temperature Alarm	50°C
Altitude	5000m
Power Supply	
Power Supply	2*350 W hot-swappable PSU
Redundant	Yes
LED Power	Yes
Power consumption	74W
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	≥90000h (~10.3 Years)

DS-C24H-X-2Z

Main Functions

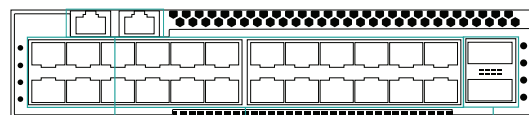
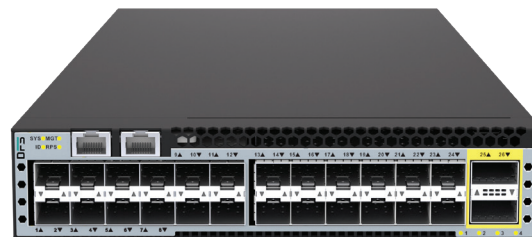
- Equipped with 24 x 10G SFP+ Ports
- Equipped with 2 x 100G QSFP28 Uplink Ports
- Redundant Dual Power Supplies (Hot-Swappable)
- Serviceable Cooling System: Field-Serviceable / Modular Fan Design
- Real-time LED Port Status Indicators
- Intuitive Web-Based Interface (GUI)
- Advanced CLI via Console Port & Telnet

YEARS
PLATINUM
GUARANTEE

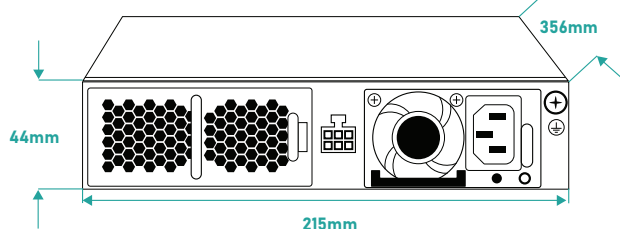


3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages



Management Ports SFP+ Ports SFP28 Ports

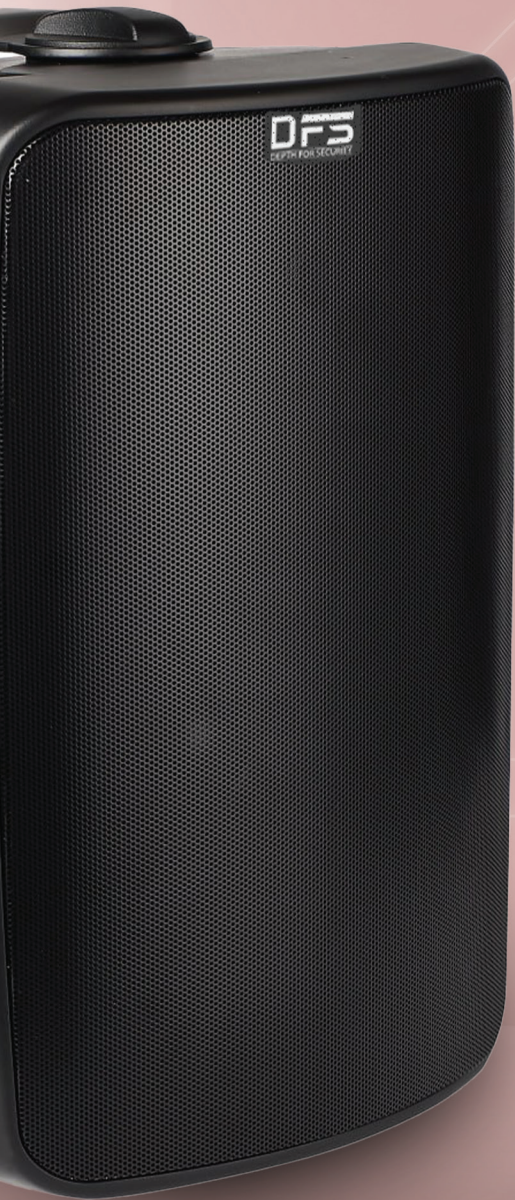


Interface	
Total Port	28 Ports
POE Output (Max)	N/A
SFP+ Port	24 * 10G SFP+
SFP28 Uplink Port	N/A
QSFP Uplink Port	N/A
QSFP28 Uplink Port	2
Management Ports	1*Console Port (RJ45) 1* Ethernet Management Port (RJ45)
Hardware	
CPU	Dual-core processor, ARM A53
Flash Memory	8GB EMMC (OS) 4MB SPI Flash (Boot)
DRAM	2GB
Fans	1*Hot-swappable Fan
Airflow	Front-to-Rear
Switching Capacity	880Gbps (bidirectional)
Forwarding Rate	1309.44Mpps
MAC address	98304
Switching Hardware Platform	
Jumbo Frame	9600
MAC scale	98,304 unicast, 2,048 multicast
VLANs	4,094 IDs, 4,094 instances
Link aggregation	64 groups, convergence <50 ms
Protection	STP (<30s), RSTP/MSTP (<1s), ERPS (<50 ms)
OAM	IEEE 802.1ag CFM, 1,024 sessions, CCM intervals down to 3.3 ms
Routing scale	IPv4 FIB up to 57,344; IPv6 FIB up to 6,144
QoS	Per-port queues, granular policing/shaping, IPFIX visibility
Security	MACsec, ACLs, DHCP Snooping, IP Source Guard

Software Highlights	
Software License	EB, Basic L3 software features, Preinstalled MS, L3 enhance features software license key
Basic License (Pre-installed)	VLANs, QinQ, STP/RSTP/MSTP, IGMP Snooping, static IPv4 routes, VRRP, ACLs, DHCP Snooping, QoS policing/shaping, SNMP/Web/CLI
Advanced License (Optional)	OSPFv2/v3, BGP, IS-IS, PIM-SM/DM, IPv6 routing, MPLS/VPLS, VXLAN with BGP EVPN, ERPS multi-ring, advanced OAM (802.1ag, Y.1731), MACsec, sFlow/IPFIX, RPC-API, Smart Config
General	
Protection Rating	IP51
Web Language	English
Dimension (W*H*D)	215*44*356mm
Weight	3.5kg (Includes 1 power weight)
Storage Temperature	-40°C to 70°C
Operating Temperature	0°C to 45°C
Storage Humidity	0 to 95% (Non-condensing)
Operating Humidity	10% to 90% (Non-condensing)
Temperature Alarm	50°C
Altitude	5000m
Power Supply	
Power Supply	1*350 W hot-swappable PSU
Redundant	Yes
LED Power	Yes
Power consumption	74W
Guarantee	
Product Guarantee	3 Years Platinum Guarantee
MTBF	≥90000h (~10.3 Years)

IP SPEAKER

A Review of Technology



Germanium Series

DA-OH25-P



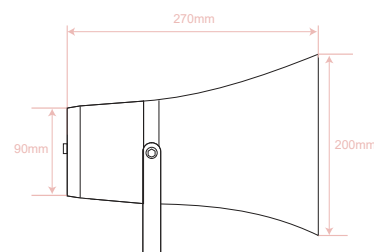
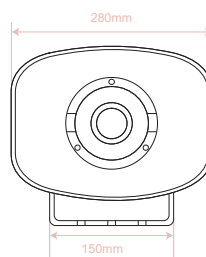
Other advantages

- Compatible with various servers: PBX, DFS VOIP Server, ASTERISK, and FREEPBX
- LAN connectivity with PoE support
- SIP account configuration
- 150 MB internal memory card
- Web interface for speaker settings, monitoring, and playback control
- Direct audio file upload and playback via web interface
- Scheduled audio playback capability
- JWT encryption using HS256 algorithm
- Hardware and internal temperature monitoring of the speaker
- Blacklist and whitelist configuration for incoming calls
- Ability to receive HTTP packets from other devices (e.g., DFS NVR) for defined alarm playback
- Compatible with network IP cameras
- Volume control via web interface or central console
- Stereo or Mono Differential audio playback
- Fully Omani hardware and software, customizable for special orders
- Compatible with DFS network storage devices (NVR) and various DFS software

YEARS
SILVER
GUARANTEE



- 2 years unconditional Silver Warranty by DFS
- 3 years warranty for audio quality stability



AMPLIFIER	
Output Power (Max)	45W Stereo
Load (Min)	8Ω
Speaker	
Rated Power	25W
Power (Max)	45W
Impedance	8Ω
Direction	90° horizontal by 30° vertical
Frequency Response	380-8000 Hz
Sensitivity	(1 M, 1 W) 106dB
Max. Acoustic Pressure	121dB
SNR	82dB
Network	
Protocols	TCP/IP, HTTP, HTTPS, DNS, RTP, NTP, UPnP, UDP, Multicast=
Compatibility	SDK, API, SIP
Sound	
Audio Bit Rate	G.711A(64 Kbps)/G.711U(64 K bps)/G722(16 Kbps)
Codec	MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA8 kHz
Playing	NVR, CMS, VMS, HTTP Link
Playing Type	Manual, Link, Schedule, Multi Cast
Audio Algorithm	AEC, AGC, ANS
Audio File Format	MP3, WAV, PCM, etc

Alarm Triggers	All Intelligent Function For DFS CMSs & VMSs, DFS NVRs & Camera
Event Action	2 X Alarm Triger N.O
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
Alarm	Alarm In, Alarm Out (Optional)
MIC	N/A
Power	PoE LAN, DC In
Reset	Software reset
Memory Slot	N/A
General	
Protection Rating	IP66 , 6KV Surge Protection
Power Supply	12V DC, 2 A
POE Supply	IEEE802.3at
Web Language	English, Arabic
Installation	Outdoor / Wall and Column
Weight	1.82kg
Operation Humidity	Humidity 90% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Dimension	280*270*200mm
Material, Colour	Metal White
Guarantee	
Product Guarantee	2 Years Silver Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC

DA-iW45-P



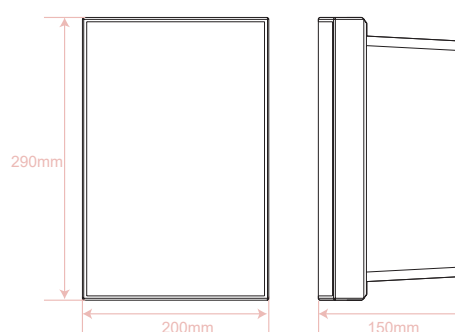
Other advantages

- Compatible with various servers: PBX, DFS VOIP Server, ASTERISK, and FREEPBX
- LAN connectivity with PoE support
- SIP account configuration
- 150 MB internal memory card
- Web interface for speaker settings, monitoring, and playback control
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- Scheduled audio playback capability
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YEARS
SILVER
GUARANTEE



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AMPLIFIER	
Output Power (Max)	60W Stereo
Load (Min)	8Ω
Speaker	
Speaker Diameter	4.5 inch
Rated Power	45W
Power (Max)	60W
Impedance	8Ω
Frequency Response	80-20 Hz
Sensitivity (1 M, 1 W)	88dB
Max.Acoustic Pressure	104dB
SNR	82dB
Network	
Protocols	TCP/IP, HTTP, HTTPS, DNS, RTP, NTP, UPnP, UDP, Multicast
Compatibility	SDK, API, SIP
Sound	
Audio Bit Rate	G.711A(64 Kbps)/G.711U(64 Kbps)/G722(16 Kbps)
Codec	MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA8 kHz
Playing	NVR, CMS, VMS, HTTP Link
Playing Type	Manual, Link, Schedule, Multi Cast
Audio Algorithm	AEC, AGC, ANS
Audio File Format	MP3, WAV, PCM, etc

Alarm Triggers	All Intelligent Function For DFS CMSs & VMSs, DFS NVRs & Camera
Event Action	2 X Alarm Triger N.O
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
Alarm	Alarm In, Alarm Out (Optional)
Audio	Audio In
MIC	Yes
Power	PoE LAN, DC In
Reset	Software reset
Memory Slot	N/A
General	
Protection Rating	IP44 , 6KV Surge Protection
Power Supply	12V DC, 2 A
POE Supply	IEEE802.3at
Web Language	English, Arabic
Installation	Indoor / Wall and Column
Weight	3.0 Kg
Operation Humidity	Humidity 90% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Dimension	200*150*290 mm
Material, Colour	ABS White / Black
Guarantee	
Product Guarantee	2 Years Silver Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC

DA-iW55-PB



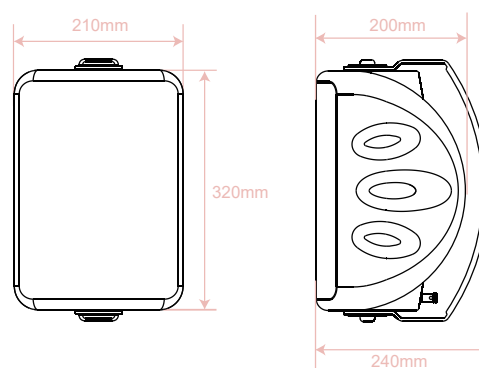
Other advantages

- Compatible with various servers: PBX, DFS VOIP Server, ASTERISK, and FREEPBX
- LAN connectivity with PoE support
- SIP account configuration
- 150 MB internal memory card
- Web interface for speaker settings, monitoring, and playback control
- Direct audio file upload and playback via web interface
- Scheduled audio playback capability
- JWT encryption using HS256 algorithm
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YEARS
SILVER
GUARANTEE



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- 3 years warranty for audio quality stability



AMPLIFIER	
Output Power (Max)	60W Stereo
Load (Min)	8Ω
Speaker	
Speaker Diameter	6.5 inch×1, 1.5 inch×1
Rated Power	55W
Power (Max)	60W
Impedance	8Ω
Frequency Response	75-20 Hz
Sensitivity (1 M, 1 W)	86dB
Max.Acoustic Pressure	102dB
SNR	82dB
Network	
Protocols	TCP/IP, HTTP, HTTPS, DNS, RTP, NTP, UPnP, UDP, Multicast
Compatibility	SDK, API, SIP
Sound	
Audio Bit Rate	G.711A(64 Kbps)/G.711U(64 Kbps)/G722(16 Kbps)
Codec	MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA8 kHz
Playing	NVR, CMS, VMS, HTTP Link
Playing Type	Manual, Link, Schedule, Multi Cast
Audio Algorithm	AEC, AGC, ANS
Audio File Format	MP3, WAV, PCM, etc

Alarm Triggers	All Intelligent Function For DFS CMSs & VMSs, DFS NVRs & Camera
Event Action	2 X Alarm Triger N.O
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
Alarm	Alarm In, Alarm Out (Optional)
Audio	Audio In
MIC	Yes
Power	PoE LAN, DC In
Reset	Software reset
Memory Slot	N/A
General	
Protection Rating	IP44 , 6KV Surge Protection
Power Supply	12V DC, 2 A
POE Supply	IEEE802.3at
Web Language	English, Arabic
Installation	Indoor / Wall and Column
Weight	4.5 Kg
Operation Humidity	Humidity 90% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Dimension	210*240*320 mm
Material, Colour	ABS Black
Guarantee	
Product Guarantee	2 Years Silver Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC

DA-iC25-P



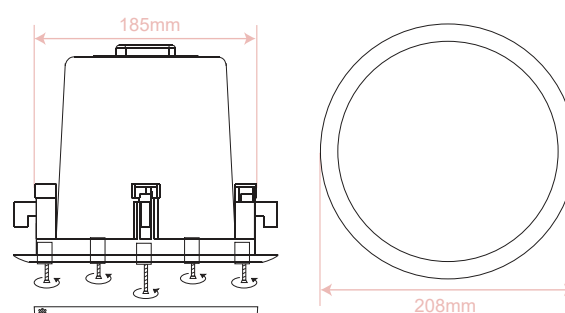
Other advantages

- Compatible with various servers: PBX, DFS VOIP Server, ASTERISK, and FREEPBX
- LAN connectivity with PoE support
- SIP account configuration
- 150 MB internal memory card
- Web interface for speaker settings, monitoring, and playback control
- Direct audio file upload and playback via web interface
- Scheduled audio playback capability
- JWT encryption using HS256 algorithm
- Hardware and internal temperature monitoring of the speaker
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YEARS
SILVER
GUARANTEE



- 2 years unconditional Silver Warranty by DFS
- 3 years warranty for audio quality stability



AMPLIFIER	
Output Power (Max)	45W Stereo
Load (Min)	8Ω
Speaker	
Speaker Diameter	5.5 inch
Rated Power	25W
Power (Max)	45W
Impedance	8Ω/100V
Frequency Response	90-20 Hz
Sensitivity (1 M, 1 W)	90dB
Max.Acoustic Pressure	101dB
SNR	82dB
Network	
Protocols	TCP/IP, HTTP, HTTPS, DNS, RTP, NTP, UPnP, UDP, Multicast
Compatibility	SDK, API, SIP
Sound	
Audio Bit Rate	G.711A(64 Kbps)/G.711U(64 Kbps)/G722(16 Kbps)
Codec	MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA8 kHz
Playing	NVR, CMS, VMS, HTTP Link
Playing Type	Manual, Link, Schedule, Multi Cast
Audio Algorithm	AEC, AGC, ANS
Audio File Format	MP3, WAV, PCM, etc

Alarm Triggers	All Intelligent Function For DFS CMSs & VMSs, DFS NVRs & Camera
Event Action	2 X Alarm Triger N.O
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
Alarm	Alarm In, Alarm Out (Optional)
Audio	Audio In
MIC	Yes
Power	PoE LAN, DC In
Reset	Software reset
Memory Slot	N/A
General	
Protection Rating	IP44 , 6KV Surge Protection
Power Supply	12V DC, 2 A
POE Supply	IEEE802.3at
Web Language	English, Arabic
Installation	Indoor / Ceiling
Weight	1.8 Kg
Operation Humidity	Humidity 90% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Dimension	208*185 mm
Material, Colour	Metal+ABS rear cover / white
Guarantee	
Product Guarantee	2 Years Silver Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC

DA-iC35-P



Other advantages

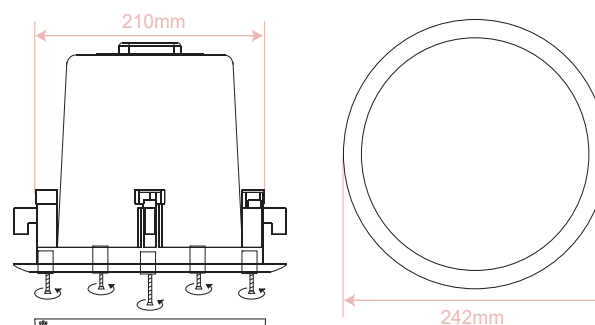
- Compatible with various servers: PBX, DFS VOIP Server, ASTERISK, and FREEPBX
- LAN connectivity with PoE support
- SIP account configuration
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- Web interface for speaker settings, monitoring, and playback control
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- Compatible with DFS network storage devices (NVR) and various DFS software

YEARS
SILVER
GUARANTEE



• 2 years unconditional Silver Warranty by DFS

• 3 years warranty for audio quality stability



AMPLIFIER	
Output Power (Max)	60W Stereo
Load (Min)	8Ω
Speaker	
Speaker Diameter	6.5 inch
Rated Power	35W
Power (Max)	60W
Impedance	8Ω/100V
Frequency Response	80-20Hz
Sensitivity (1 M, 1 W)	92dB
Max. Acoustic Pressure	102dB
SNR	82dB
Network	
Protocols	TCP/IP, HTTP, HTTPS, DNS, RTP, NTP, UPnP, UDP, Multicast
Compatibility	SDK, API, SIP
Sound	
Audio Bit Rate	G.711A(64 Kbps)/G.711U(64 Kbps)/G722(16 Kbps)
Codec	MP3 44.1 kHz, G.722 ADPCM 16 kHz, G.711 PCMU 8 kHz, G.711 PCMA8 kHz
Playing	NVR, CMS, VMS, HTTP Link
Playing Type	Manual, Link, Schedule, Multi Cast
Audio Algorithm	AEC, AGC, ANS
Audio File Format	MP3, WAV, PCM , etc

Alarm Triggers	All Intelligent Function For DFS CMSs & VMSs , DFS NVRs & Camera
Event Action	2 X Alarm Triger N.O
Interface	
Network	1 RJ45 (10M / 100M) Ethernet Port
Alarm	Alarm In, Alarm Out (Optional)
MIC	Yes
Power	PoE LAN, DC In
Reset	Software reset
Memory Slot	N/A
General	
Protection Rating	IP44 , 6KV Surge Protection
Power Supply	12V DC, 2 A
POE Supply	IEEE802.3at
Web Language	English, Arabic
Installation	Indoor / Ceiling
Weight	2.4 Kg
Operation Humidity	Humidity 90% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Dimension	242*210 mm
Material, Color	Metal+ABS rear cover / white
Guarantee	
Product Guarantee	2 Years Silver Guarantee
MTBF	100K hrs min. MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC

DA-C10-P



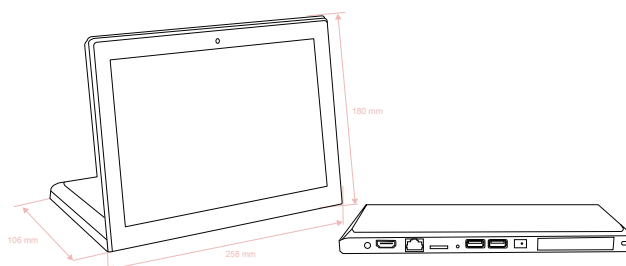
Other advantages

- Control networked speakers, smart home management, DFS network alarm, and security systems
- Two-way SIP communication with speakers and network phones
- Built-in SIP server for network phones
- Two-way MQTT Multicast communication with DFS speakers without requiring a server
- Support for adding and managing up to 500 speakers
- Group calling without requiring a server
- High-quality music playback via multicast without requiring a server
- Independent volume control for each speaker
- Console operation powered via PoE
- Console operation over Wi-Fi or adapter
- Bluetooth support for receiving audio and playing it through networked speakers
- Ability to reset or mute any connected network speaker as needed
- Dedicated space for storing music files on the console
- Connect to online music streaming services and play through networked speakers
- Web interface for console management
- Three separate playlists

YEARS
SILVER
GUARANTEE



- 2 years unconditional Silver Warranty by DFS
- 3 years warranty for audio quality stability



System	
CPU	Quad Core Cortex A17, RK3288
RAM	2GB
Internal Memory	32 GB
Operation System	Linux
Touch Screen	10-Point Capacitive Touch
Display	
Panel	10.1 Inch LCD IPS Panel
Resolution	1280*800
Contrast Ratio	800
Luminance	250 cd/m2
Aspect Ratio	16:10
Network	
Wifi	802.11b/g/n
Ethernet	RJ45, 100M/1000M
Bluetooth	Bluetooth 4.0
Interface	
Card Slot	up to 32GB
USB	Yes
HDMI	Yes
Power Jack	DC Power Input
Earphone	3.5mm Earphone With Microphone
Serial Port	Yes
RJ45	RJ45, 100M/1000M(PoE Function, Optional)
Microphone	Yes
Speaker	2*1W

Media Play	
Video Format	MPEG, H.264
Audio Format	MP3/WMA/AAC etc.
Photo	Jpeg
General	
Power Supply	IEEE802.3at / DC 12 V 1A
Language	Arabic
Weight	800 g
Mounting	Desktop
Operation Humidity	Humidity 90% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Dimension And Impedance	258*180*106 mm
Material, Colour	ABS White / Black
Software Feature	
- SIP Calling Capability - Playing Music on SIP Calls - Simultaneous Playback of Music and Internal Microphone on SIP Calls - Ability to Add SIP Phone Groups on DFS SIP Server - Making Calls over RTP without the need for a SIP server with dedicated numbers - High-quality Music Playback through Multicast without the need for a server - Monitoring DFS Speakers in the network and giving commands to them - Individual Volume Control for each Speaker - Displaying Temperature and CPU load for each Speaker - Identifying Connected and Disconnected Speakers in the network - Resetting and muting each connected Speaker when needed - Dedicated space for storing music files on the console via USB flash drive	
Guarantee	
Product Guarantee	2 Years Silver Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC

DA-C10-PWD



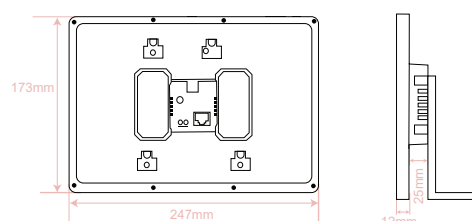
Other advantages

- Control networked speakers, smart home management, DFS network alarm, and security systems
- Two-way SIP communication with speakers and network phones
- Built-in SIP server for network phones
- Two-way MQTT Multicast communication with DFS speakers without requiring a server
- Support for adding and managing up to 500 speakers
- Group calling without requiring a server
- High-quality music playback via multicast without requiring a server
- Independent volume control for each speaker
- Console operation powered via PoE
- Console operation over Wi-Fi or adapter
- Bluetooth support for receiving audio and playing it through networked speakers
- Ability to reset or mute any connected network speaker as needed
- Dedicated space for storing music files on the console
- Connect to online music streaming services and play through networked speakers
- Web interface for console management
- Three separate playlists

YEARS
SILVER
GUARANTEE



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- 3 years warranty for audio quality stability



System	
CPU	Quad Core Cortex A55, RK3568
RAM	4 GB
Internal Memory	16 GB
Operation System	Linux / Debian 11
Touch Screen	10-Point Capacitive Touch
Display	
Panel	10.1 Inch LCD IPS Panel
Resolution	1280*800
Contrast Ratio	800
Luminance	250 cd/m2
Aspect Ratio	16:10
Network	
Wifi	802.11b/g/n
Ethernet	RJ45, 100M/1000M
Bluetooth	Bluetooth 5.2
Interface	
Card Slot	up to 32GB
USB	Yes
HDMI	N/A
Power Jack	DC Power Input
Earphone	3.5mm Earphone With Microphone
Serial Port	Yes
RJ45	RJ45, 100M/1000M(PoE Function, Optional)
Microphone	Yes
Speaker	2*1W

Media Play	
Video Format	MPEG, H.264
Audio Format	MP3/WMA/AAC etc.
Photo	Jpeg
General	
Power Supply	IEEE802.3at / DC 12 V 1A
Language	Arabic
Weight	950 g
Mounting	Wall Mount / Desktop(Optional)
Operation Humidity	Humidity 70% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Dimension And Impedance	247*173*37 mm
Material, Colour	ABS White / Black
Software Feature	
- SIP Calling Capability - Playing Music on SIP Calls - Simultaneous Playback of Music and Internal Microphone on SIP Calls - Ability to Add SIP Phone Groups on DFS SIP Server - Making Calls over RTP without the need for a SIP server with dedicated numbers - High-quality Music Playback through Multicast without the need for a server - Monitoring DFS Speakers in the network and giving commands to them - Individual Volume Control for each Speaker - Displaying Temperature and CPU load for each Speaker - Identifying Connected and Disconnected Speakers in the network - Resetting and muting each connected Speaker when needed - Dedicated space for storing music files on the console via USB flash drive	
Guarantee	
Product Guarantee	2 Years Silver Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC

DA-C04-PW



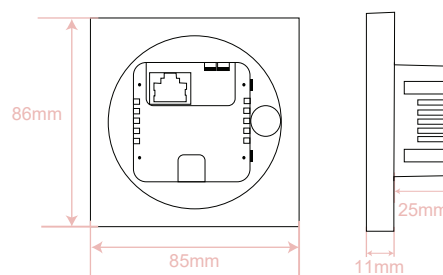
Other advantages

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- Group calling without requiring a server
- High-quality music playback via multicast without requiring a server
- Independent volume control for each speaker
- Console operation powered via PoE
- Console operation over Wi-Fi or adapter
- Bluetooth support for receiving audio and playing it through networked speakers
- Ability to reset or mute any connected network speaker as needed
- Dedicated space for storing music files on the console
- Connect to online music streaming services and play through networked speakers
- Web interface for console management
- One separate playlists

YEARS
SILVER
GUARANTEE



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System	
CPU	Quad Core, RK3566
RAM	2GB
Internal Memory	32GB
Operation System	Linux / Debian 11
Touch Screen	10-Point Capacitive Touch
Display	
Panel	4 Inch LCD IPS Panel
Resolution	480*480
Contrast Ratio	800
Luminance	250 cd/m2
Aspect Ratio	16:10
Network	
Wifi	802.11b/g/n
Ethernet	RJ45, 100M/1000M
Bluetooth	Bluetooth 4.0
Interface	
Card Slot	up to 32GB
USB	N/A
HDMI	N/A
Power Jack	AC 110~240V - DC 12V/24V
Earphone	N/A
Serial Port	Yes
RJ45	RJ45, 100M/1000M(PoE Function, Optional)
Microphone	Yes
Speaker	1W

Media Play	
Video Format	MPEG, H.264, MOV, AVI, WMV, MPEG4
Audio Format	MP3/WMA/AAC etc.
Photo	Jpeg
General	
Power Supply	IEEE802.3at / DC 12 V 1A
Language	Arabic
Weight	380 g
Mounting	Wall Mount
Operation Humidity	Humidity 70% or less (non-condensing)
Operation Temp	-30°C ~ +60°C
Dimension & Impedance	86*85*36 mm
Material, Colour	ABS White / Black
Software Feature	
- SIP Calling Capability - Playing Music on SIP Calls - Simultaneous Playback of Music and Internal Microphone on SIP Calls - Ability to Add SIP Phone Groups on DFS SIP Server - Making Calls over RTP without the need for a SIP server with dedicated numbers - High-quality Music Playback through Multicast without the need for a server - Monitoring DFS Speakers in the network and giving commands to them - Individual Volume Control for each Speaker - Displaying Temperature and CPU load for each Speaker - Identifying Connected and Disconnected Speakers in the network - Resetting and muting each connected Speaker when needed - Dedicated space for storing music files on the console via USB flash drive	
Guarantee	
Product Guarantee	2 Years Silver Guarantee
MTBF	100K hrs min- MIL-HDBK-217F (25°)
Certificates	EN, CN, FCC

INTERNET OF THINGS

A Review of Technology



Rhenium Series

DB-M2



Key features

- Support Wi-Fi, Ethernet, and LTE connectivity.
- Dedicated Cloud service with real-time notifications and Web management.
- Local Network (LAN) monitoring support without internet.
- Integration with DFS network speakers for smart alarms and DFS consoles for control.
- Dual power supply (220V & PoE) with Lithium backup battery.
- 10 separate areas, supporting up to 66 wired and 32 wireless zones.
- 868MHz two-way encrypted wireless communication with 800m range.
- Support Modbus RS485 for system expansion (up to 10 clients).
- 4 On-board programmable outputs (Expandable to 40 relay and 20 wireless outputs).
- Support up to 32 user codes and GSM reporting to 6 numbers.

YEARS
PLATINUM
GUARANTEE



3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages



Zones & Partitioning

Partitions (Areas)	10 Independent Areas
Total Wired Zones	Max. 66 Wired Zones (via expansion)
Total Wireless Zones	Max. 32 Wireless Zones
Modbus Expansion	Supports 10 Clients (Each adds 6 Wired Zones + 4 Outputs)

Wireless Interface

Frequency	868 MHz
Protocol	Two-Way FSK with Anti-Copy Encryption
Range	Up to 800m (Open Area)
Supported Devices	Keypads, Sirens, PIRs (Indoor/Outdoor/Curtain), Smoke, CO, Magnets

Outputs & Automation

Onboard Outputs	4x Programmable Outputs
Expansion Outputs	Up to 40 x 12V relay outputs via Modbus clients
Wireless Outputs	Up to 20 wireless outputs (868 MHz)

Network & Communications

Interfaces	Ethernet (RJ45), Wi-Fi, LTE (4G), RS485
GSM Features	SMS Reporting (Up to 6 phone numbers) with custom event filters
Voice Alerts	Custom recorded voice messages for specific zone alarms

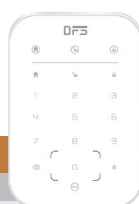
System Management

User Codes	Up to 32 User Codes (with assigned remote controls)
Configuration	Web-based Panel (Local/Cloud)
Admin Control	Full management of internet user access

General Specifications

Power Input	220V AC, PoE
Backup Battery	Internal lithium battery (capacity TBC)
Dimensions	210*296*46 mm
Operating Temperature	-10°C ~ +50°C
Operating Humidity	5% ~ 95%RH (non-condensing)

Sensors



DB-K2-W

Wireless Keypad

System Functions

Operating Functions	Arm / Stay Arm / Disarm / SOS
Key Fob Support	Supported (Max. 50 Fobs)
Security Features	Protection against Code Guessing, Duress Code
Tamper Alarm	Supported
User Interface	Backlit Keypad
Sound Indication	Supported (3-Level Adjustable)

Wireless Specifications

Radio Frequency	868MHz / 433MHz
Wireless Protocol	FSK with Two-Way Communication
Wireless Security	Frequency Hopping, 128-bit AES Encryption
Transmission Range	Up to 800 meters (Outdoor/Open Area)

Electrical & Power

Power Supply	Battery: DC 3V (4x AA Batteries)
Battery Life	Up to 3 Years (Based on 10 triggers/day)

General Specifications

Dimensions (L x W x H)	167 x 117 x 23 mm
Installation Method	Wall-mount (Screws or 3M Tape)
Operating Temperature	-10°C ~ 55°C
Operating Humidity	5% ~ 95%RH (non-condensing)
Compliance Standards	CE



DB-R2

Remote Controller

Wireless Specifications

Radio Frequency	868MHz / 433MHz
Wireless Protocol	FSK with Two-Way Communication
Transmission Range	Up to 800 meters (Outdoor/Open Area)

Detection performance

Operating Functions	Arm / Stay Arm / Disarm / SOS
---------------------	-------------------------------

Electrical & Power

Power Supply	Battery: DC 3V (1x CR2450)
Battery Life	Up to 2 Years (Based on 10 triggers/day)

General Specifications

Dimensions (L x W x H)	72.5 x 40.5 x 9.9 mm
Operating Temperature	-10°C ~ 55°C
Operating Humidity	5% ~ 95%RH (non-condensing)
Compliance Standards	CE



DB-WLS1-W

Water Leakage Sensor

Wireless Specifications

Radio Frequency	868MHz / 433MHz
Wireless Protocol	FSK with Two-Way Communication
Transmission Range	Up to 800 meters (Outdoor/Open Area)

Detection Performance

Detection Gap	20mm Max
Tamper Alarm	Supported
LED Indicator	Supported (Red & Green)

Electrical & Power

Power Supply	Battery: DC 3V (1x CR123A)
Battery Life	Up to 5 Years (Based on 10 triggers/day)

General Specifications

Dimensions (Main Unit)	89.8 x 30.1 x 20.5 mm
Dimensions (Magnet)	89.8 x 17.7 x 20.5 mm
Installation Method	Wall-mount (Screws or 3M Tape)
Operating Temperature	-10°C ~ 55°C
Operating Humidity	5% ~ 95%RH (non-condensing)
Compliance Standards	CE



DB-PO1-W

Outdoor Wide-Angle PIR

Detection Performance

Detection Method	Dual-Technology (implied by 10.525 GHz spec)
Microwave Frequency	10.525 GHz
Detection Range	16 meters
Detection Angle	110°
Pet Immunity	≤ 35 KG
Sensitivity	3 Levels Adjustable via App

Installation & Mounting

Optimal Install Height	2-2 meters
Installation Method	Wall-mounted
Bracket Type	"Adjustable Bracket Included (180° Left-Right, 30° Top-Bottom)"
Protection Class	IP54 (Dust & Splash Resistant)

Electrical & Power

Power Supply	Battery: 2 x CR123A
Operating Voltage	DC 3.0V

Electrical & Power

Dimensions	153 x 80 x 58 mm
Operating Temperature	-25°C ~ +55°C
Operating Humidity	5% ~ 95%RH (non-condensing)
Compliance Standards	EN 50131-2-4, CE



Sensors



DB-P1

Wired PIR

Software features

Arm modes Away/Stay

Hardware features

Type Wired

Power DC 10v~15v

Sensor IR

Electrical characteristics

Working Current ≤150uA(Static current), ≤30mA(Alarm current)

Operation temperature -20 °C to +60 °C

Transmitted power 10mW

Display

LEDs status Alarm, Fault, Battery low

General

Dimensions (L x W x H) 130mm*64mm*43mm , ±1mm

material Plastic

Color White

Installation Height 2~2.2m

Weight 86.5 g

Detective Angle 110°C

Detective Distance 12m



DB-S10-W

Outdoor Siren

System Functions

(Sound Output (Volume Adjustable: 80dB / 95dB / 105dB (at 1 meter)

Alarm Type Audio (Piezo)

Wireless Specifications

Wireless Protocol 868MHz / 433MHz

Transmission Power FSK

User Interface ≤ 13dBm

Electrical & Power

Main Power Supply DC 12V

Backup Battery Built-in 1000mAh Battery

Backup Battery Life Up to 24 Hours (Standby Mode during power cut)

Operating Current < 20mA

General Specifications

Dimension(LxWxH) 164 x 164 x 57 mm

Operating Temperature -25°C ~ +70°C

Operating Humidity 5% ~ 95% RH

Compliance Standards EN 50131-4



DB-PI2-W

PIR Motion Detector

Detection Performance

Detection Range 12m

Detection Angle 90°

Pet Immunity Up to 35kg

Sensitivity 3-Level Adjustable (via App)

Detectable Speed 0.3 ~ 2 m/s

Detection Interval 30 ~ 180s Adjustable (Default: 60s)

Wireless Specifications

Radio Frequency 868MHz / 433MHz

Wireless Protocol FSK with Two-Way Communication

Transmission Range Up to 800 meters (Outdoor/Open Area)

Electrical & Power

Power Supply Battery: DC 3V (1x CR123A)

Battery Life Up to 5 Years (Based on 10 triggers/day)

General Specifications

Dimension 114.6 x 61.1 x 43.5 mm

Installation Method Wall-mount (Screws or 3M Tape)

Tamper Alarm Supported

Operating Temperature -10°C ~ 55°C

Operating Humidity 5% ~ 95%RH (non-condensing)

Compliance Standards CE



DB-MG1-W

Magnetic Contact

Wireless Specifications

Radio Frequency 868MHz / 433MHz

Wireless Protocol FSK with Two-Way Communication

Transmission Range Up to 800 meters (Outdoor/Open Area)

Detection Performance

Detection Gap 20mm Max

Tamper Alarm Supported

LED Indicator Supported (Red & Green)

Electrical & Power

Power Supply Battery: DC 3V (1x CR123A)

Battery Life Up to 5 Years (Based on 10 triggers/day)

General Specifications

Dimension(Main Unit) 89.8 x 30.1 x 20.5 mm

Dimension(Magnet) 89.8 x 17.7 x 20.5 mm

Installation Method Wall-mount (Screws or 3M Tape)

Operating Temperature -10°C ~ 55°C

Operating Humidity 5% ~ 95%RH (non-condensing)

Compliance Standards CE

Sensors



DB-SD1-W

Smoke Detector

Detection Performance

Detection Area	50 Square Meters
Alarm Sound Level	≥ 80dB (at 3 meters)

Wireless Specifications

Radio Frequency	868MHz / 433MHz
Wireless Protocol	FSK
Transmission Range	500m (Outdoor/Open Space)
Transmission Power	≤ 12dBm

Electrical & Power

Power Supply	Battery: DC 3V (2x AA Batteries)
Battery Life	2 ~ 3 Years
Operating Current	< 80mA
Static Current	< 60μA

General Specifications

Dimensions	Φ105 x 40 mm
Operating Temperature	-10°C ~ +55°C
Operating Humidity	5% ~ 95%RH (non-condensing)
Compliance Standards	EN 14604



DB-CMD1-W

Carbon Monoxide Detector

Detection Performance

Target Gas	Carbon Monoxide (CO)
Sampling Method	Natural Diffusion
Detection Range	0 ~ 500ppm
Alarm Threshold	200ppm
Accuracy Error	±50ppm/

Alarm & Indication

Alarm Method	Sound and Light Alarm
Sound Output	≥ 85dB (at 3 meters)

Electrical & Power

Power Supply	Battery: DC 3V (1x CR123A)
Operating Voltage	DC 3.0V

General Specifications

Dimensions	Φ86 x 32 mm
Operating Temperature	-10°C ~ +55°C
Operating Humidity	5% ~ 95%RH (non-condensing)
Compliance Standards	EN 50291



DB-PC1-W

Curtain PIR Detector

Detection Performance

Detection Range	12m(Wall-mounted) 8m (Ceiling mounted)
Detection Angle	15°

Wireless Specifications

Radio Frequency	868MHz / 433MHz
Wireless Protocol	FSK
Transmission Range	800m / 400m (Open area)

Electrical & Power

Power Supply	Battery: DC 3V (1x CR123A)
Battery Life	~5 Years
Operating Current	50mA
Static Current	≤ 35μA

General Specifications

Dimensions	132 x 34 x 43 mm
Installation Method	Wall-mounted or Ceiling-mounted
Installation Height	2.4m (Wall) / 3.6m (Ceiling)
Operating Temperature	-10°C ~ 55°C
Operating Humidity	5% ~ 95%RH (non-condensing)
Compliance Standards	CE

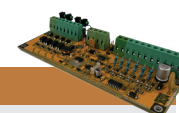


DB-WM-EX

Wireless Module

Detection Performance

Operating Voltage	DC3V, 3xCR123A
Quiescent Current	< 50μA
Radio Frequency	868MHz / 433MHz
Transmission Power	≤ 13dBm
Transmission Range	500m
Relay	DC24V/1A AC120V/1A
Output Power	DC3-3V Max10mA
Dimensions	113x50x22mm
Operating Temperature	-10°C ~ 55°C
Operating Humidity	5% ~ 95%RH (non-condensing)
Compliance Standards	CE



DB-IO64-RS-EX

I/O Interface

Digital Inputs	6 Channels
Digital Outputs	4 Channels PGM (Relay Type/Transistor Type)
Output Rating	Max 10A @ 12V DC / 5A @ 250V AC

Wired I/O

Interface	1 x RS485 (2-Wire)
Protocols	Modbus RTU (Slave)

General Specifications

Mounting	DIN-Rail 35mm
Operating Temperature	-20°C ~ +60°C
Humidity	5% ~ 95%RH (non-condensing)



DD-MPS1-11

Key features

- Integrates 11 types of sensors, capable of monitoring different types simultaneously.
- Support standard Modbus TCP and MQTT protocols via Ethernet.
- Dual power supply: DC 10V ~30V or Integrated PoE.
- Two installation methods: Ceiling-mounted and wall-mounted.
- Comprehensive detection: PM2.5, PM10, CO2, TVOC, Temperature, Humidity, Noise, and Light.
- Support Modbus Gateway with 3 client connections.
- High sensitivity and stable performance with independent sensor probes.

YEARS
PLATINUM
GUARANTEE

• 3 years unconditional Platinum DFS warranty, including:

Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages



Network & Communication

Output Method	Ethernet RJ45/RS485 (MODBUS-RTU)
Protocols	Modbus RTU, Modbus TCP (Supports 3 client connections), MQTT, TCP/UDP, ICMP, IPv4, DHCP
Data Update Frequency	Data uploaded once every 30 seconds (MQTT)
Configuration Software	NetModeSet
Default Network Settings	IP: 192.168.0.152 Gateway: 192.168.0.1 Mask: 255.255.255.0

General

Operating Voltage	DC 10V~30V (standard 24V) or PoE
Operating Current	≤200mA
Warm-up Time	3min
Operating Conditions	-10°C ~ +50°C 0% ~ 95% RH (Non-condensing)
Storage Conditions	-30°C ~ +60°C 0% ~ 99% RH (Non-condensing)
Product Material	ABS Flame Retardant Housing
Installation Method	Ceiling-mounted or Wall-mounted
Dimension	150x150 mm

Sensor Metrics

Sensor Type	Detection Range	Resolution	Accuracy	Lifetime
PM10 / PM2.5	0~1000µg/m³	1µg/m³	≤ ±10% reading	≥40000hours
CO2	400~5000ppm	1ppm	≤ ±(50ppm+3%reading)	10Years
TVOC	0~5000µg/m³	1µg/m³	≤ ±10%reading	10Years
(Methane) CH4	0~100%LEL	1%LEL	≤ ±5%Reading	2Years
HCHO (Formaldehyde)	0~1500µg/m³	1µg/m³	≤ ±10%reading	2Years
Temperature *	-40°C~100°C	0.01°C	≤ ±0.3°C	10Years
Humidity	0~99%RH	0.1%RH	≤ ±3%RH	10Years
Illuminance	0~65535Lux	1Lux	≤ ±7% @25°C	3Years
Noise	30db~130db	0.1db	≤ ±1db	3Years

* While the internal sensor supports readings up to 100°C, the device operating environment should not exceed 50°C.

Alarm Box / Client Console



DD-SAB-IO64

Alarm Box	
Frequency	868 MHz
Compatibility	Wireless Sensors, Sirens, Remote Controller
Range	Up to 800m (Open Area)
Wired I/O	
Sensor Inputs	6 Channels
PGM Outputs	4 Channels
Aux Power Output	1 x 12V DC Output (For powering sensors)
Network & Protocol	
Interface	1 x Ethernet Port (RJ45)
Protocols	MQTT, HTTP
Management	Web UI (Built-in), Alarm Box Server
Intelligent Functions	
Event Linking	Camera Events to PGM/Siren Mapping
Logic	On-board Rule Engine (If/Then Logic)
Intelligent Functions	
Input Voltage	PoE
Mounting	Wall Mount
Indicators	Status LEDs
Operating Temp	-10°C ~ +55°C
Humidity	10% ~ 90% RH (Non-condensing)

DD-CC04-E

Smart Entry Client Console	
Display	
Screen Size	4-Inch Color Touch Screen
Resolution	480 x 480 pixels (HD)
Wired I/O	
Connectivity	Wi-Fi (2.4GHz)
Protocol	MQTT, HTTP/HTTPS, NTP
Functions	
Primary Role	Smart Doorbell & Paging Client
Info Display	Weather Widget, Clock (Sync with Server)
PoE Support	No
General Specifications	
(Dimensions (L x W x H	132 x 34 x 43 mm
Installation Method	Wall-mount (Surface)
Operating Temperature	-10°C ~ +55°C
Operating Humidity	≤ 95% RH (Non-condensing)



DD-CC04

Smart BMS Client	
Display	
Screen Size	4-Inch Color Touch Screen
Resolution	480 x 480 pixels (HD)
Network	
Connectivity	Wi-Fi (2.4GHz)
Protocol	MQTT, REST API
Control Functions	
HVAC	Digital Thermostat UI (Set Point/Fan Speed)
Audio	Remote Music Control (Source/Volume/Track)
System Integration	
Supported Sensors	Compatible with all DFS IoT Sensors (Display Data)
Server Compatibility	Fully Integrated with DFS Server Console
General Specifications	
Input Voltage	5V DC
PoE Support	No
Dimensions	84x84x37 mm (Wall) / 84x87x112 mm (Desk)
Installation Method	Desktop Stand / Wall-mount
Operating Temperature	-10°C ~ +55°C
Operating Humidity	≤ 95% RH (Non-condensing)

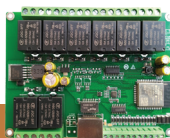
DD-CC04-R03

Smart BMS Client	
Display	
Screen Size	4-Inch Color Touch Screen
Resolution	480 x 480 pixels (HD)
Network	
Connectivity	Wi-Fi (2.4GHz)
Protocol	MQTT, UDP, TCP/IP
Outputs (Control)	
Integrated Relays	3x Relays (10A per channel) 9
Load Types	Lighting (LED/Halogen), Curtains, Fan Coils
System Integration	
Smart Functions	Thermostat, Sensor Monitor, Music Player, Scenarios
Sync Mode	Client-Server Real-time Sync 10
General Specifications	
Input Voltage	110V ~ 220V AC (50/60Hz)
PoE Support	No
Dimensions	84x84x37mm
Installation Method	Desktop Stand
Operating Temperature	-10°C ~ +55°C
Operating Humidity	≤ 95% RH (Non-condensing)





Relay



DT-R008

Interfaces & I/O

Relay Outputs(DO)	8 Channels
Digital Inputs(DI)	8 Channels
Network Interface	RJ45 Ethernet (10/100M)
Wireless Interface	WiFi (AP + STA Modes)
Serial/Bus Interfaces	RS485, CAN
Wiegand Input	N/A

Network & Protocols

Supported Protocols	MQTT, Modbus-RTU/TCP/UDP/ASCII, TCP, UDP, HTTP GET CGI, CoAP
Home Automation	Domoticz, Home Assistant, openHAB, Red-Node

Functions

Features	IP Watchdog, Task, NTP Client, Input Mutual Control
Real Time Clock	No

General Specifications

Operating Voltage	12/24VDC, 12/24VAC
Power Consumption	5W
Recommended Adapter	12VDC / 1.5A
Board Dimensions	122 x 87 mm
DIN Case Dimensions	145 x 90 x 40 mm



DT-R032

Interfaces & I/O

Relay Outputs(DO)	32 Channels
Digital Inputs(DI)	32 Channels
Network Interface	RJ45 Ethernet (10/100M)
Wireless Interface	WiFi (AP + STA Modes)
Serial/Bus Interfaces	RS485, CAN
Wiegand Input	1 Channel

Network & Protocols

Supported Protocols	MQTT, Modbus-RTU/TCP/UDP/ASCII, TCP, UDP, HTTP GET CGI, CoAP
Home Automation	Domoticz, Home Assistant, openHAB, Red-Node

Functions

Features	IP Watchdog, Task, NTP Client, Input Mutual Control
Real Time Clock	Optional

General Specifications

Operating Voltage	12/24VDC, 12/24VAC
Power Consumption	16W
Recommended Adapter	12VDC / 3A
Board Dimensions	370 x 107 mm
DIN Case Dimensions	373 x 123 x 43 mm



DT-R016

Interfaces & I/O

Relay Outputs(DO)	16 Channels
Digital Inputs(DI)	16 Channels
Network Interface	RJ45 Ethernet (10/100M)
Wireless Interface	WiFi (AP + STA Modes)
Serial/Bus Interfaces	RS485, CAN
Wiegand Input	1 Channel

Network & Protocols

Supported Protocols	MQTT, Modbus-RTU/TCP/UDP/ASCII, TCP, UDP, HTTP GET CGI, CoAP
Home Automation	Domoticz, Home Assistant, openHAB, Red-Node

Functions

Features	IP Watchdog, Task, NTP Client, Input Mutual Control
Real Time Clock	Optional

General Specifications

Operating Voltage	12/24VDC, 12/24VAC
Power Consumption	9W
Recommended Adapter	12VDC / 2A
Board Dimensions	250 x 107 mm
DIN Case Dimensions	252 x 123 x 43 mm

IP PHONE

A Review of Technology



Radonum Series

DV-N2S2-P



Other advantages

- Supports up to 2 SIP accounts for calls
- Shared SIP line functionality with other devices
- Five programmable line keys on the main display screen
- One 2.3-inch display
- High-definition (HD) audio quality for both speakerphone and handset
- Built-in Bluetooth for connecting wireless Bluetooth headsets
- Wi-Fi connectivity via a Wi-Fi dongle
- Compatible with EHS (Electronic Hook Switch) wireless headsets
- Two 100 Mbps network ports with PoE support for power over Ethernet

YEARS
PLATINUM
GUARANTEE



3 years unconditional Platinum DFS warranty, including:

- Water damage, breakage, impact damage, lightning damage, rust, power surges, and other incidents and damages



Generic	
Specification	2 SIP Lines HD Voice POE Enabled 1 LCDs (2.3)
Phone Functions	Local Phonebook (1000 entries) Call logs (In,Out,Missed, 600 entries) Remote Phonebook(XML/LDAP 1000 Entries) Blocked,Allowed List Programmable DSS,Soft keys Action URL,Active URI
Call Functions	Call out,Answer,Reject Mute,Unmute (Microphone) Call Hold,Resume Call Waiting Intercom Caller ID Display Speed Dial Anonymous Call (Hide Caller ID) Call Forward (Always,Busy,No Answer) Call Transfer (Attended,Unattended) Call Parking,Pick-up (Depending on server) Redial Do Not Disturb Auto-Answering Voice Message (With server) 6-way Conference Hot Line Hot desking
Audio	
Narrowband Codec	G.711a,u, G.723.1, G.726, G.729A,B, ILBC
Wideband Codec	G.722, Opus
Network	
Physical	10,100 Mbps Ethernet, dual bridged port for PC bypass
IP Mode	IPv4,IPv6,IPv4&IPv6
IP Configuration	Static IP,DHCP,PPPOE, 802.1x, Network Access Control
VPN	L2TP,OpenVPN
VLAN	VLAN / LLDP / QoS/ RTPCP-XR (RFC3611), VQ-RTCPXR (RFC6035)

Protocols	
SIP2.0 Over UDP/TCP/TLS , RTP/RTCP/SRTP, STUN, DHCP, IPv6, LLDP, PPPOE, 802.1x, L2TP, OpenVPN, SNTP, FTP/TFTP, HTTP/HTTPS, TR-069, AES128 & AES256	
Deployment & Management	
Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP, PNP/TR-069, Web Management Portal, Web-based Packet Dump, Configuration Export/Import, Phonebook Import/Export, Firmware Upgrade, Syslog	
Physical Specifications	
DSS Key-mapping LCD x2	N/A
Keypad	33 keys
HD Handset	RJ9 x1
Standard RJ9 Handset	1.5M CAT5 Ethernet Cable x 1
Status indicator Light	1 X Red
RJ9 Port x2	Handset x1, Headset x1
RJ45 Port x2	Network x1, PC x1 (Bridged to Network)
USB2.0 Port x1	N/A
Safety Keyhole	N/A
DC Power Input	5V/ 0.6A
Power Consumption (PoE)	1.25W~1.86W
Power Consumption (Adapter)	0.8W ~1.29W
Working Temperature	0°C~45°C
Working Humidity	10%~95%
Installation	Desktop Stand Wall-mounted (Optional)
Weight	658 g
Dimension	211x169x65 mm

DV-M4S20-P



Other advantages

- Supports up to 20 SIP accounts for calls
- Three-way conferencing capability
- Shared SIP line functionality with other devices
- Five programmable line keys on the main display screen
- One 4.3-inch color main display and two 2.4-inch color side displays for DSS (programmable) keys
- High-definition (HD) audio quality for both speakerphone and handset
- Built-in Bluetooth for connecting wireless Bluetooth headsets
- Wi-Fi connectivity via a Wi-Fi dongle
- Compatible with EHS (Electronic Hook Switch) wireless headsets
- Supports programming up to 60 DSS keys, including 12 physical dual-color keys
- Two Gigabit Ethernet ports with PoE support for power over Ethernet
- Adjustable stand with two viewing angles: 45° and 50°
- Compatible with popular platforms such as Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya, and others

YEARS
PLATINUM
GUARANTEE



3 years unconditional Platinum DFS warranty, including:

- Water damage, breakage, impact damage, rust, power surges, and other incidents and damages



Generic	
Specification	20 SIP Lines HD Voice Support receiving Video call POE Enabled 3 LCDs (Main + DSSJ) Intelligent DSS Keys
Phone Functions	Local Phonebook (2000 entries) Call logs (In,Out,Missed, 1000 entries) Blocked,Allowed List Programmable DSS,Soft keys Support Wi-Fi Dongle Action URL,Active URI
Call Functions	Call out,Answer,Reject Mute,Unmute (Microphone) Call Hold,Resume Call Waiting Intercom Caller ID Display Speed Dial Anonymous Call (Hide Caller ID) Call Forward (Always,Busy,No Answer) Call Transfer (Attended,Unattended) Call Parking,Pick-up (Depending on server) Redial Do Not Disturb Auto-Answering Voice Message (With server) 3-way Conference Hot Line Hot desking
Video	Video codec: H.264 Video call resolution: QCIF,CIF,VGA
Audio	
Audio	HD Voice Microphone,Speaker (Handset,Hands-free, 07KHz Frequency Response) HAC handset Wideband ADC,DAC 16KHz Sampling
Narrowband Codec	G.711a,u, G.723-1, G.726-32K, G.729A,B, AMR, ILBC
Wideband Codec	G.722, AMR-WB, CouS
Network	
Physical	10,100,1000 Mbps Ethernet, dual bridged port for PC bypass
IP Mode	IPv4,IPv6,IPv4&IPv6
IP Configuration	Static IP,DHCP,PPPOE, 802.1x, Network Access Control
VPN	L2TP,OpenVPN

VLAN	VLAN / LLDP / QoS/ RTPC-XR (RFC3611), VQ-RTCPXR (RFC6035)
WiFi(Optional)	Wi-Fi Security Mode: WPA,WPA2-PSK,802 X EAP
Protocols	
SIP2.0 Over UDP/TCP/TLS , RTP/RTCP/SRTP, STUN, DHCP, IPv6, LLDP, PPPOE, 802.1x, L2TP, OpenVPN, SNTP, FTP/TFTP, HTTP/HTTPS, TR-069, AES128 & AES256	
Deployment & Management	
Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP, PNP/TR-069, Web Management Portal, Web-based Packet Dump, Configuration Export/Import, Phonebook Import/Export, Firmware Upgrade, Syslog	
Physical Specifications	
Main LCD x1	4.3-inch (480x272) Color Screen
DSS Key-mapping LCD x2	2.4-inch (240x320) Color Screen
Keypad	51 keys
HD Handset	1.5M CAT5 Ethernet Cable x 1
Standard RJ9 Handset	Wire x1
Status indicator Light	1 X Red
RJ9 Port x2	Handset x1, Headset x1
RJ45 Port x2	Network x1, PC x1 (Bridged to Network)
USB2.0 Port x1	Standard A, Connect with Wi-Fi USB dongle or Flash Driver
Safety Keyhole	1 X
DC Power Input	5V/ 2A
Power Consumption (PoE)	1.49W~6.88W
Power Consumption (Adapter)	0.94W~5.47W
Working Temperature	0°C~45°C
Working Humidity	10%~95%
Installation	Desktop Stand Wall-mounted (need an additional wall hanging parts)
Weight	1.150 Kg
Dimention	245x239x89 mm

DV-M4S20-PX



Other advantages

- Supports up to 20 SIP accounts for calls
- Three-way conferencing capability
- Shared SIP line functionality with other devices
- Five programmable line keys on the main display screen
- One 4.3-inch color main display and two 3.5-inch color side displays for DSS (programmable) keys
- High-definition (HD) audio quality for both speakerphone and handset
- Built-in Bluetooth for connecting wireless Bluetooth headsets
- Wi-Fi connectivity via a Wi-Fi dongle
- Compatible with EHS (Electronic Hook Switch) wireless headsets
- Supports programming up to 106 DSS keys, including 42 physical tri-color keys
- Two Gigabit Ethernet ports with PoE support for power over Ethernet
- Adjustable stand with two viewing angles: 45° and 50°
- Compatible with popular platforms such as Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya, and others

YEARS
PLATINUM
GUARANTEE



• 3 years unconditional Platinum DFS warranty, including:

- Water damage, breakage, impact damage, rust, power surges, and other incidents and damages



Generic	
Specification	20 SIP Lines HD Voice Support receiving Video call POE Enabled 3 LCDs (Main + DSSJ) Intelligent DSS Keys
Phone Functions	Local Phonebook (2000 entries) Call logs (In,Out,Missed, 1000 entries) Blocked,Allowed List Programmable DSS,Soft keys Support Wi-Fi Dongle Action URL,Active URI
Call Functions	Call out,Answer,Reject Mute,Unmute (Microphone) Call Hold,Resume Call Waiting Intercom Caller ID Display Speed Dial Anonymous Call (Hide Caller ID) Call Forward (Always,Busy,No Answer) Call Transfer (Attended,Unattended) Call Parking,Pick-up (Depending on server) Redial Do Not Disturb Auto-Answering Voice Message (With server) 3-way Conference Hot Line Hot desking
Video	Video codec: H.264 Video call resolution: QCIF,CIF,VGA
Audio	
Audio	HD Voice Microphone, Speaker (Handset,Hands-free, 07KHz Frequency Response) HAC handset Wideband ADC,DAC 16KHz Sampling
Narrowband Codec	G.711a,u, G.723-1, G.726-32K, G.729A,B, AMR, ILBC
Wideband Codec	G.722, AMR-WB, Cous
Network	
Physical	10,100,1000 Mbps Ethernet, dual bridged port for PC bypass
IP Mode	IPv4,IPv6,IPv4&IPv6
IP Configuration	Static IP,DHCP,PPPOE, 802.1x, Network Access Control
VPN	L2TP,OpenVPN

VLAN	VLAN / LLDP / QoS/ RTPC-XR (RFC3611), VQ-RTCPXR (RFC6035)
WIFI(Optional)	Wi-Fi Security Mode: WPA,WPA2-PSK,802 X EAP
Protocols	
SIP2.0 Over UDP/TCP/TLS , RTP/RTCP/SRTP , STUN, DHCP, IPv6, LLDP, PPPoE, 802.1x, L2TP, OpenVPN, SNTP, FTP/FTTP, HTTP/HTTPS, TR-069, AES128 & AES256	
Deployment & Management	
Auto-Provisioning via FTP/FTTP/HTTP/HTTPS/DHCP OPT66/SIP, PNP/TR-069, Web Management Portal, Web-based Packet Dump, Configuration Export/Import, Phonebook Import/Export, Firmware Upgrade, Syslog	
Physical Specifications	
Main LCD x1	4.3-inch (480x272) Color Screen
DSS Key-mapping LCD x2	3.5-inch (320x480) Color Screen
Keypad	77 keys, 4 x Soft Keys, 6 x Function Keys
HD Handset	1.5M CAT5 Ethernet Cable x 1
Standard RJ9 Handset	Wire x1
Status indicator Light	1 X Red
RJ9 Port x2	Handset x1, Headset x1
RJ45 Port x2	Network x1, PC x1 (Bridged to Network)
USB2.0 Port x1	Standard A, Connect with Wi-Fi USB dongle or Flash Driver
Safety Keyhole	1 X
DC Power Input	5V/ 2A
Power Consumption (PoE)	2.6W~9W
Power Consumption (Adapter)	2.4W ~8W
Working Temperature	0°C~45°C
Working Humidity	10%~95%
Installation	Desktop Stand Wall-mounted (need an additional wall hanging parts)
Weight	1.5 Kg
Dimention	226x308x86.5 mm

Intercome



DV-SR01-P

Relay Control

Output Terminals	NO (Normally Open), NC (Normally Closed), COM, +12V, GND
Operation Modes	Toggle, Jogging (0.1s ~ 5.0s), Call Duration
Feedback Mechanism	SIP Text Message (RFC 3428) to caller display

Network

Network Ports	2x RJ45 (1x PoE Input + 1x PoE Passthrough)
Protocols	SIP v2 (RFC 3261), HTTP API (GET/POST)
Security	Secure Web Login (Password Protected)

Network

Power Supply	Standard PoE (802.3af/at)
Aux Output	12V DC Output (for powering external sensors)

General

Management	Web-based GUI
Installation	Surface Mount / Wall Mount



DV-IC06-ISMEHO

Professional SIP Intercom

SIP & Lines

SIP Accounts	6 SIP Lines
Protocols	SIP v1 (RFC2543), v2 (RFC3261)
Transport	UDP/TCP/TLS, RTP/RTCP/SRTP

Audio

HD Voice	HD Speaker, Wideband ADC/DAC, 16KHz Sampling
Wideband Codecs	G.722, Opus
Narrowband Codecs	G.711a/u, G.723.1, G.726, G.729A/B, iLBC
Processing	Full-duplex Acoustic Echo Cancellation (AEC), VAD, CNG

Network

Physical Port	10/100 Mbps Ethernet (PoE Enabled)
IP Mode	IPv4 / IPv6 / Dual Stack
Network Features	VLAN, LLDP, QoS, 802.1x Network Access Control
VPN Support	L2TP, OpenVPN

Management

Auto-Provisioning	FTP / TFTP / HTTP / HTTPS / DHCP OPT66 / SIP PNP / TR-069
Configuration	Web Management Portal, Configuration Export/Import, Syslog
Diagnostics	Web-based Packet Dump, Online Firmware Upgrade

Physical

Power Supply	PoE
Dimension	212x85x117 mm
Operating Temp	-10°C ~ 40°C
Operating Humidity	10% ~ 95%



DV-TDC-ISM-P

User Interface

Display	4-inch Color Touch Screen
Function Keys	3x Programmable DSS Keys (Soft keys)

Audio

Microphone Input	XLR Interface (Supports Phantom Power)
Audio Output	Built-in High-Quality Speaker
Codecs	G.711, G.722

Network & Protocols

Network Interface	10/100 Mbps Ethernet Port
Protocol Support	SIP (Session Initiation Protocol)
Compatibility	Asterisk, FreePBX, and standard IP-PBX platforms
Configuration	Web-based management portal (HTTP)

Power & Physical

Power Supply	Power Supply
Installation	Installation
Dimensions	Dimensions
Operating Temp	Operating Temp

MONITORE

A R e v i e w o f T e c h n o l o g y



Lithium Series

DT-55i-4K

Signage TV

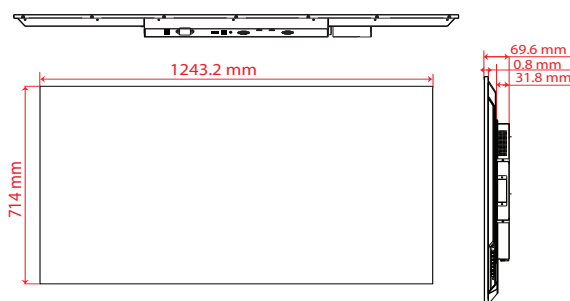


Features

- Ultra-high image quality up to 4K resolution with rich colors and high contrast for precise detail display
- Durable design for 24/7 operation in industrial and commercial environments
- Clear image viewing from any angle with advanced panels offering a 178° viewing angle
- Equipped with HDMI, DisplayPort, and USB ports
- Smart features, support for modern operating systems, and network connectivity for easy content management

YEARS
DIAMOND
GUARANTEE

- Four Years Image Quality Guarantee
- Three Years Parts Replacement Warranty, even in case of water damage
- Full Panel Warranty against breakage, valid until unboxing by you



Specification

size	54-64 Inch
Backlight type	D-LED
Technology Panel	IPS
Joint	13.9 mm
Resolution	3840 × 2160
Pixel pitch	0.315 × 0.315 mm
Brightness	350 (cd/m ²)
Contrast Ratio	1200:1
Response Time	8ms
Color Depth	1.07 G (8 bit + FRC)
View angle	179°(H), 179°(V)
video format	PAL, NTSC
Signal output	SPDIF Out
Digital signal input	HDMI×2Ch, Support Upto (3840*2060)@30Hz DP-1ch, Support Upto (3840*2060)@ 60Hz, VGAX1, PC Audio x1 USB×1ch, RS232×1ch
Speaker	2×5W / 8 Ω

Automatic temperature control system	Automatically control the operation of the fan, reduce noise, save energy, and improve the stability and reliability of the LCD splicing unit based on the set working temperature and actual machine temperature
Image signal gain	More stable and accurate image control, achieving true image restoration, Improve system trustworthiness
Operating mode	Computer centralized control
MTBF	30000hr
Wide voltage design	100-240V, 50~60 Hz
Power consumption	250W
Dimensions	1243.2*69.6*714 mm
Display size	1209.6*680.4 mm
Material	All metal shell, anti-static, anti magnetic field, anti strong electric field interference
Installation	Standard and customized cabinet, Wallmount, Desktop
weight	25Kg(including package), 22Kg (Without package)
Storage temp	-10°C~+60°C
Operation temp	0°C~+40°C
Working humidity	10%~80%
Environmental standards	All components and packaging materials comply with international environmental standards

DT-55iB09-FHD

TV Wall

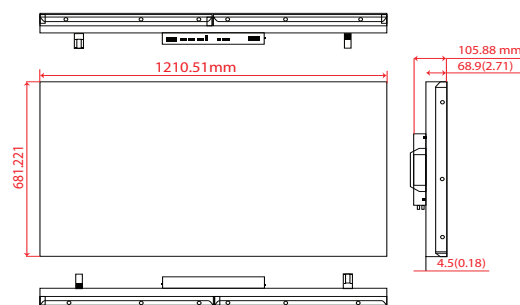


Features

- Ultra-high image quality up to 4K resolution with rich colors and high contrast for detailed viewing
- Bezel-free design with an ultra-narrow 0.88 mm frame for seamless, uninterrupted display
- Durable construction for 24/7 operation in industrial and commercial environments
- Clear image display from any angle with advanced panels offering a 178° viewing angle
- Equipped with HDMI, DisplayPort, and USB ports
- Smart features, support for modern operating systems, and network connectivity for easy content management

YEARS
DIAMOND
GUARANTEE

- Four Years Image Quality Guarantee
- Three Years Parts Replacement Warranty, even in case of water damage
- Full Panel Warranty against breakage, valid until unboxing by you



Specification

size	55 Inch
Backlight type	D-LED
Technology Panel	IPS
Joint	0.88mm
Resolution	1920×1080
Pixel pitch	0.63 ×0.63 mm
Brightness	500 (cd,m2)
Contrast Ratio	1200:1
Response time	8ms
Color depth	1.07 b (10 bit)
View angle	179°(H),179°(V)
Screen ratio	16:9
motion compensation	AUTO MOVE
Filter	3D Comb filtering, digital denoising
video format	PAL, NTSC
Signal output	DP-1ch, RS232*2ch
Digital signal input	HDMI×2ch, Support Upto 3840*2060@30Hz DP-1ch, support Upto 3840*2060 @ 60Hz DVI×1 USB×1ch, RS232×1ch
Functions	Support 4-channel signal source drawing and splicing function, support 2-channel signal source Picture in picture function Supports 1080P signal three line

Automatic temperature control system	Automatically control the operation of the fan, reduce noise- save energy, and improve the stability and reliability of the LCD splicing unit based on the set working temperature and actual machine temperature
Image signal gain	More stable and accurate image control, achieving true image restoration, Improve system trustworthiness
Operating mode	Computer centralized control
Bus control	IC
MTBF	65000hr
Wide voltage design	100-240V , 50~60 Hz
Power consumption	250W
Dimensions	1210.51*681.22*105.88 mm
Display size	1209.6mm×680.4mm
Material	All metal shell, anti-static, anti magnetic field, anti strong electric field interference
Installation	Standard and customized cabinet, Wallmount
weight	25Kg(including package) , 22Kg (Without package)
Storage temp	-25°C~+65°C
Operation temp	0°C~+55°C
Working humidity	10%~90%
Environmental standards	All components and packaging materials comply with international environmental standards

DT-C0808-H

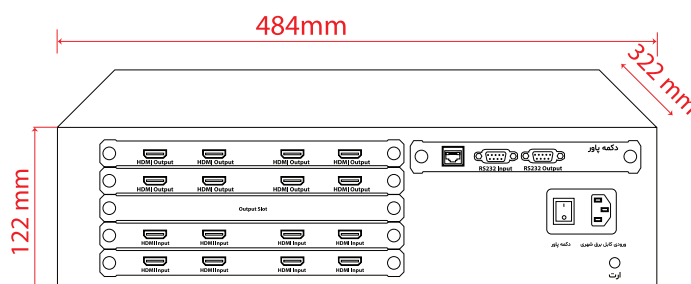


Features

- Flexible window layout with free sizing and positioning.
- Ultra-fast, seamless source switching without black screen.
- Input signal preview and control to avoid incorrect video output.
- 4K resolution support per input channel.
- Full HD resolution support per output channel.
- Supports HDMI 2.0, HDMI 1.4, HDMI 1.3 and DVI 1.0 standards.
- HDCP digital content protection support.
- On-screen text overlay with editable font, color and position.
- Supports up to 8 independent display groups with customizable output resolution.
- Control via RJ45 and RS-232 interfaces.

YEARS
DIAMOND
GUARANTEE

- Four Years Image Quality Guarantee
- Three Years Parts Replacement Warranty, even in case of water damage
- Full Panel Warranty against breakage, valid until unboxing by you



Specifications

Input Slots	2 Slots
Output Slots	3 Slots
4K Input Ports	1~2 Channels (60Hz), 2~4 Channels (30Hz)
2K Input Ports	4~8 Channels (60Hz)
2K Output Ports	4~12 Channels (60Hz)
Input Card	
Input Cards	2 x 4 Channels
Total Input Interfaces	8 x HDMI 1.3
Connector Type	19pin HDMI Type A / Female
Resolution	Up to 1920x1080@60Hz
Maximum Data Rate	4.95Gbps
Compatibility	HDMI 1.3; DVI 1.0; HDCP 1.4
Output Card	
Output Cards	2 x 4 Channels

Total Output Interfaces	8 x HDMI 1.3
Connector Type	19pin HDMI Type A/Female
Resolution	Up to 1920x1080@60Hz
Maximum Data Rate	4.95Gbps
Compatibility	HDMI 1.3; DVI 1.0; HDCP 1.4

Other Interfaces

Network Interface	1 x RJ45 10M/100M/1000Mbps self-adaptive Ethernet interface
Serial Port	1 x RS-232 Input - 1 x RS-232 Output

General

Working Temperature	0~45°C
Storage Temperature	-10°C ~ 60°C
Working Humidity	20%~90% (non-condensing)
Power Supply	AC:110V-240V 50/60Hz
Power Consumption	100W
Rackmount	Yes 3 Unit
Dimension W x D x H	484 x 322 x 122 mm



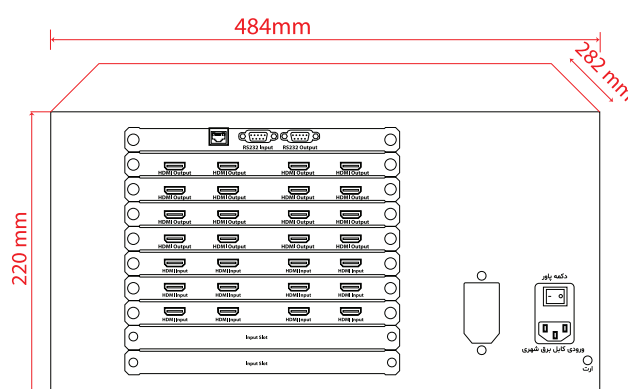
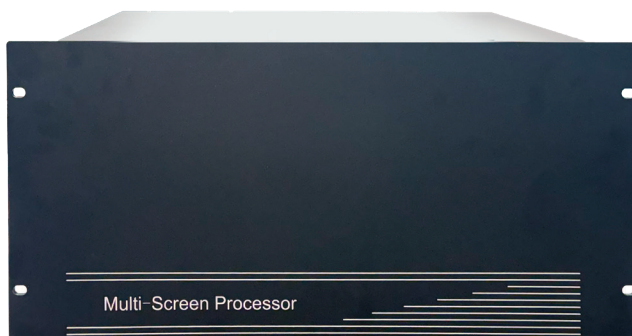
DT-C0820-H

Features

- Flexible window layout with free sizing and positioning.
- Ultra-fast, seamless source switching without black screen.
- Input signal preview and control to avoid incorrect video output.
- 4K resolution support per input channel.
- Full HD resolution support per output channel.
- Supports HDMI 2.0, HDMI 1.4, HDMI 1.3 and DVI 1.0 standards.
- HDCP digital content protection support.
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YEARS
DIAMOND
GUARANTEE

- Four Years Image Quality Guarantee
- Three Years Parts Replacement Warranty, even in case of water damage
- Full Panel Warranty against breakage, valid until unboxing by you



Specifications

Input Slots	4 Slots
Output Slots	5 Slots
4K Input Ports	1~4 Channels (60Hz), 2~8 Channels (30Hz)
2K Input Ports	4~16 Channels (60Hz)
2K Output Ports	4~20 Channels (60Hz)
Input Card	
Input Cards	2 x 4 Channels
Total Input Interfaces	8 x HDMI 1.3
Connector Type	19pin HDMI Type A / Female
Resolution	Up to 1920x1080@60Hz
Maximum Data Rate	4.95Gbps
Compatibility	HDMI 1.3; DVI 1.0; HDCP 1.4
Output Card	
Output Cards	5 x 4 Channels

Total Output Interfaces	20 x HDMI 1.3
Connector Type	19pin HDMI Type A/Female
Resolution	Up to 1920x1080@60Hz
Maximum Data Rate	4.95Gbps
Compatibility	HDMI 1.3; DVI 1.0; HDCP 1.4
Other Interfaces	
Network Interface	1 x RJ45 10M/100M/1000Mbps self-adaptive Ethernet interface
Serial Port	1 x RS-232 Input - 1 x RS-232 Output
General	
Working Temperature	0~45°C
Storage Temperature	-10°C ~ 60°C
Working Humidity	20%~90% (non-condensing)
Power Supply	AC:110V-240V 50/60Hz
Redundant	Yes (Optional)
Power Consumption	320W
Rackmount	Yes 5 Unit
Dimension W x D x H	484 x 282 x 220 mm

DT-C1220-H

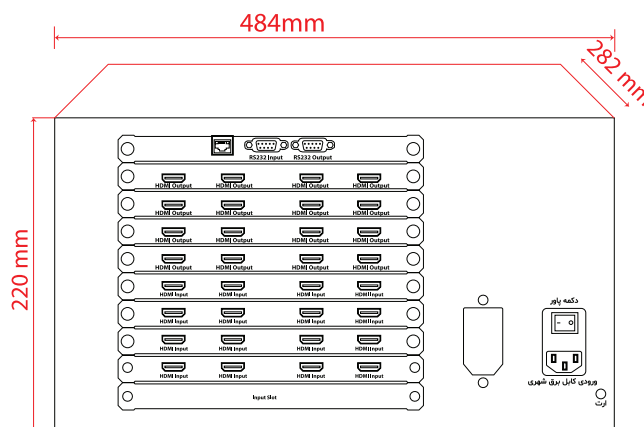
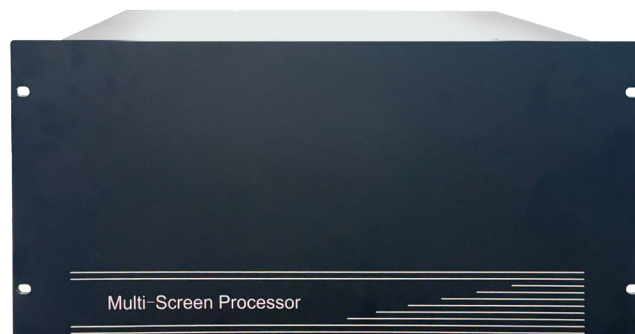


Features

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YEARS
DIAMOND
GUARANTEE

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Specifications

Input Slots	4 Slots
Output Slots	5 Slots
4K Input Ports	1~4 Channels (60Hz), 2~8 Channels (30Hz)
2K Input Ports	4~16 Channels (60Hz)
2K Output Ports	4~20 Channels (60Hz)
Input Card	
Input Cards	3 x 4 Channels
Total Input Interfaces	12 x HDMI 1.3
Connector Type	19pin HDMI Type A / Female
Resolution	Up to 1920x1080@60Hz
Maximum Data Rate	4.95Gbps
Compatibility	HDMI 1.3; DVI 1.0; HDCP 1.4
Output Card	
Output Cards	5 x 4 Channels

Total Output Interfaces	20 x HDMI 1.3
Connector Type	19pin HDMI Type A/Female
Resolution	Up to 1920x1080@60Hz
Maximum Data Rate	4.95Gbps
Compatibility	HDMI 1.3; DVI 1.0; HDCP 1.4

Other Interfaces

Network Interface	1 x RJ45 10M/100M/1000Mbps self-adaptive Ethernet interface
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General

Working Temperature	0~45°C
Storage Temperature	-10°C ~ 60°C
Working Humidity	20%~90% (non-condensing)
Power Supply	AC:110V-240V 50/60Hz
Redundant	Yes (Optional)
Power Consumption	320W
Rackmount	Yes 5 Unit
Dimension W x D x H	484 x 282 x 220 mm

DEEP LEARNING

A Review of Technology



Rhodium Series

DL-FRS

**Intelligent Face Recognition Software**

— A secure, enterprise-ready platform designed for mission-critical facial recognition and video analysis. Built entirely in-house, our software offers unparalleled performance, customization, and reliability for the most demanding security challenges.

Core Architecture & Trust

- Fully In-house Development: Engineered entirely by our dedicated software team for maximum security, stability, and direct support.
- Zero Third-Party Dependencies: A completely self-contained system eliminates vulnerabilities and dependencies on external components.
- 100% Client Customization: As the sole developers, we can tailor every aspect of the software to meet the unique operational requirements of your organization.

System Architecture & Performance

- Optimized Resource Management: Intelligent, embedded resource management ensures low CPU/RAM usage and highly efficient operation.
- GPU Acceleration: Built-in support for hardware acceleration to dramatically speed up face recognition and video processing tasks.
- Highly Scalable Architecture: Seamlessly add a large number of cameras to the system, with performance limited only by the underlying hardware.
- Enterprise-Ready Deployment: A flexible client-server architecture designed for Windows-based server environments.

Intelligent Recognition & Analysis

- Instant Event Verification: Review the exact moment of recognition with a snapshot and a 7-10 second video clip of the moments just before and after.
- Powerful Search Engine: Instantly locate events with advanced filters for face, name, group, date, or other custom criteria.
- Robust Access Control: Authorize or deny entry to individuals or defined groups using facial recognition, with customizable alerts for unauthorized attempts.
- Comprehensive Logging: All recognition events are securely stored with accompanying video playback for a complete audit and review trail.
- Precision Calibration: Fine-tune face detection with adjustable pixel-per-meter settings and bounding box dimensions for superior accuracy in diverse environments.
- Flexible Face Registration: Easily add new face profiles and manage existing ones within the system database.

Advanced User Management & Security

- Granular Role-Based Access Control (RBAC): Define unlimited user groups with specific permissions. Assign access to designated cameras, watch lists, and system functions.
- High-Concurrency Support: Create unlimited user accounts, with support for up to 32 concurrent active sessions.
- Secure Network Communication: Features full support for the encrypted RTSPS protocol and allows IP whitelisting/blacklisting for enhanced network security.
- Complete Audit Trail: All user and system actions are logged in real-time and are fully searchable, ensuring complete accountability.
- Centralized User Monitoring: Administrators can view all online users in real-time with the ability to disconnect or block sessions if necessary.
- Data Privacy by Design: Operators can only access data and cameras explicitly assigned to their user profile.

Automation, Alerts & Reporting

- Intuitive Visual Alerts: On-screen event tables are color-coded for at-a-glance status identification (e.g., unauthorized entries in red, excessive traffic in pink).
- Multi-Faceted Alert System: Receive instant notifications via on-screen visual cues, audible alarms, and built-in SMS messaging.
- External Device Integration: Connect to network and USB relays to trigger physical actions like opening doors, activating lights, or sounding sirens.
- Flexible Scheduling: Create custom schedules for recording and detection to optimize storage and system resources.
- Professional Reporting: Generate and export detailed reports of recognition events, user activity, or system logs in PDF or Excel formats.

System & Camera Integration

- Universal Camera Compatibility: Works seamlessly with virtually all IP camera brands on the market, with extended feature support for DFS cameras.
- Automatic Reconnection: Ensures maximum uptime by automatically reconnecting to camera streams after any network interruption.
- Broad Database Support: Compatible with a wide range of standard databases, including SQL Server, SQLite, LiteDB, and more.
- Network Time Protocol (NTP) Support: Ensures all system clocks are perfectly synchronized with a central time server for accurate event logging.
- Simplified One-Click Updates: Keep the system current with a simple compressed file update, no advanced technical knowledge needed.
- Flexible Licensing: Tailor licenses based on channels, features, or other client-specific requirements.

User Experience (UX)

- Bilingual Interface: Fully bilingual (Arabic/English) interface with integrated Jalali and Gregorian calendars. Additional languages can be added upon request.
- Personalized Workspace: Each user can customize their interface, including themes, font types, and sizes, for maximum comfort and efficiency.
- Intuitive Camera Management: Easily add, edit, delete, or group cameras for streamlined system administration.

DL-FRS



Features	
Licensing type	Perpetual
Number of servers per system	No Limitation
Maximum Number of users	Unlimited
Technical Support /Warranty	No Limitation
Version updates	Free During Support period
Supported Languages	English/ Arabic
Supported Calendars	Solar / Christian Calender
Operating System Platform (Server and Client)	Windows
Management application, Management Client	Available
Channel Status: Connected/Disconnected	Available
System Notifications	Available
Camera manager	Available
System logging	Available
Virtual Machine Environment support	Available
Action history based on users and/or actions	Available
Time profile definition	Available
Adaptive streaming	Available

Video Motion Detection	Available
Hardware acceleration function	Available
Wide range of IP device support	Available
Snapshot function	Available
Record	
Scheduled and continuous recording	Available
Security	
Main Server Connection Encryption	Available
Server/client communication Encryption	Available
Secure channel camera connectivity	Available
Alarm	
Alarm Management	Available
User	
Centralized user management	Available
User Authentication	Available
Administration Profile Permissions Support	Available
User Based Settings Manager	Available
This feature should be supported by camera manufacturer.	

DL-PRS

**Intelligent LPR Software**

FA secure, enterprise-grade License Plate Recognition (LPR) platform engineered for accuracy, scalability, and seamless integration. Developed entirely in-house, our proprietary engine provides a trusted and fully customizable solution for automated vehicle identification and management.

Core Architecture & Trust

- Proprietary In-house Engine: Developed entirely by our software team to ensure maximum performance, security, and direct, expert support.
- Zero Third-Party Dependencies: A completely self-contained system eliminates external vulnerabilities and licensing complexities.
- Fully Customizable for Project Needs: As the sole developers, we can tailor every aspect of the software to meet specific client workflows and integration requirements.

System Architecture & Performance

- Highly Optimized Performance: Intelligent, embedded resource management ensures minimal CPU/RAM usage and stable, efficient operation 24/7.
- GPU Acceleration: Full support for major hardware accelerators, including NVIDIA CUDA and OpenCL cores, to dramatically speed up LPR processing.
- True Cross-Platform Deployment: Native server applications for both Windows and Linux environments ensure wide compatibility and easy integration into any IT infrastructure.
- Massive Scalability: The architecture is designed to support a large and growing number of cameras, with performance limited only by the server hardware.

Intelligent LPR & Vehicle Analysis

- Vehicle Access Control & Plate Lists: Create and manage unlimited vehicle lists (e.g., VIP, Employee, Stolen, Blacklist) to automate gate access, trigger alerts, and control entry/exit points.
- Instant Verification: Review a high-resolution snapshot of the license plate and a 7-10 second video clip of the vehicle's passage for every detection event.
- Powerful Search Engine: Instantly locate vehicles by full or partial license plate number, date, time, camera, or watch list.
- Comprehensive Event Logging: All LPR events are securely stored with associated snapshots and video for a complete and searchable audit trail.

Advanced User Management & Security

- Granular Role-Based Access Control (RBAC): Create unlimited user groups with specific permissions. Assign access to designated cameras, watch lists, and system functions.
- High-Concurrency Support: Define an unlimited number of user accounts, with support for up to 32 concurrent active users.
- Secure Network Communication: Features full support for the encrypted RTSPS protocol and allows IP whitelisting/blacklisting for enhanced network security.
- Complete Audit Trail: All user and system actions are logged in real-time and are fully searchable, ensuring complete accountability.
- Centralized User Monitoring: Administrators can view all online users in real-time with the ability to disconnect or block sessions if necessary.

Automation, Alerts & Reporting

- Automated Actions & Alerts: Trigger events based on plate recognition, such as opening gates, sounding audible alarms, or sending notifications to security personnel.
- Flexible Scheduling: Create custom schedules for recording and LPR detection to optimize storage and system resources.
- Professional Reporting: Generate and export detailed reports of vehicle activity, list matches, or system logs in PDF or Excel formats.
- Motion-Based Processing: Optional motion detection functionality helps to reduce unnecessary processing loads during periods of inactivity.

System & Camera Integration

- Universal Camera Compatibility: Works seamlessly with virtually all IP camera brands on the market, with extended feature support for DFS cameras.
- Automatic Reconnection: Ensures maximum uptime by automatically reconnecting to camera streams after any network interruption.
- Broad Database Support: Compatible with a wide range of standard databases, including SQL Server, SQLite, LiteDB, and more.
- Simplified One-Click Updates: Keep the system current with a simple compressed file update, no advanced technical knowledge needed.
- Flexible Licensing: Tailor licenses based on channels, features, or other client-specific requirements.

User Experience (UX)

- Bilingual Interface: Fully bilingual (Arabic/English) interface with integrated Jalali and Gregorian calendars. Additional languages can be added upon request.
- Personalized Workspace: Each user can customize their interface, including themes, font types, and sizes, for maximum comfort and efficiency.
- Intuitive Camera Management: Easily add, edit, delete, or group cameras for streamlined system administration.

DL-PRS



Features	
Licensing type	Perpetual
Number of servers per system	No Limitation
Maximum Number of users	Unlimited
Technical Support /Warranty	No Limitation
Version updates	Free During Support period
Supported Languages	English/ Arabic
Supported Calendars	Solar / Christian Calender
Operating System Platform (Server and Client)	Linux Arm/ Windows X64
Management application, Management Client	Available
Channel Status: Connected/Disconnected	Available
System Notifications	Available
Camera manager	Available
System logging	Available
Virtual Machine Environment support	Available
Action history based on users and/or actions	Available
Time profile definition	Available
Adaptive streaming	Available

Video Motion Detection	Available
Hardware acceleration function	Available
Wide range of IP device support	Available
Snapshot function	Available
Record	
Scheduled and continuous recording	Available
Security	
Main Server Connection Encryption	Available
Server/client communication Encryption	Available
Secure channel camera connectivity	Available
Alarm	
Alarm Management	Available
User	
Centralized user management	Available
User Authentication	Available
Administration Profile Permissions Support	Available
User Based Settings Manager	Available
This feature should be supported by camera manufacturer.	

DL-VMSPLUS



Enterprise VMS Platform

— A secure, scalable, and fully-featured Video Management System engineered for mission-critical surveillance in Oman. As a sovereign platform developed entirely in-house, it offers unparalleled reliability, customization, and performance for the most demanding security projects.

A Trusted, Certified & Sovereign Platform

- **Fully Domestic Development:** A complete, end-to-end solution engineered in-house with the collaboration of local software companies, ensuring zero reliance on foreign third-party components for maximum security and trust.
- **Future-Ready & Extensible:** The platform is designed for growth, allowing new features and custom modules to be developed and integrated based on specific client requirements.
- **Complete Localization:** As the sole developers, we can tailor every aspect of the software to meet the unique operational needs of any organization.

System Architecture & Performance

- **High-Performance Engine:** Highly optimized for efficient use of hardware resources, ensuring smooth operation with minimal processing overhead.
- **Distributed Multi-Server Architecture:** Deploy and manage the system across multiple servers for enhanced scalability, load balancing, and redundancy.
- **Hardware-Accelerated Performance:** Intelligently distributes processing load between the CPU and GPU (both onboard and dedicated cards) to maximize performance.
- **Unlimited Scalability:** Designed to support a limitless number of cameras, users, and storage servers, with system capacity dependent only on the available hardware.
- **Virtualization Ready:** Fully compatible with virtualized server environments like VMware and Hyper-V for flexible IT infrastructure integration.
- **Secure Network Protocols:** Ensures secure data transmission with support for TCP, UDP, and Multicast, along with TLS and HTTPS for encrypted connections.

Advanced Video & Storage Management

- **Intelligent Storage Management:** No restrictions on storage quality, capacity, or technology. Features automatic overwriting of old data for continuous recording.
- **Automatic Network Replenishment (ANR):** In case of network failure, video is recorded to the camera's edge storage and automatically synced back to the server, ensuring zero footage loss.
- **Multi-Streaming & Adaptive Streaming:** Optimizes bandwidth usage by receiving and delivering the most appropriate video stream for live view, recording, or remote clients.
- **Forensic-Grade Export:** Export video clips and still images from archives in standard, playable formats. Supports bulk export from multiple cameras simultaneously.
- **Synchronized Multi-Camera Playback:** Play back recorded video from multiple cameras at the same time, perfectly synchronized for comprehensive incident investigation.
- **Broad Codec Support:** Full support for all major video compression standards, including H.265, H.264, MPEG-4, MJPEG, and MxPEG.

Universal Camera Integration & Control

- **Full Compatibility:** Native support for all major camera brands and models available in the Omani market, with deep integration via the latest ONVIF profiles.
- **Direct Device Configuration:** Manage and configure camera settings like resolution, frame rate, and motion detection directly from the VMS interface, without needing to access the camera's web panel.
- **Advanced PTZ Control:** Intuitive Pan-Tilt-Zoom controls with support for presets, automated patrol tours, and user prioritization.
- **Privacy Masking:** Define and apply privacy masks to obscure sensitive areas within a camera's field of view.

Robust Security & User Administration

- **Enterprise Authentication:** Seamlessly integrates with Microsoft Active Directory and supports Local Windows or Basic user accounts for flexible authentication.
- **Granular Role-Based Access Control (RBAC):** Create unlimited user groups with specific permissions. Define access rights and activity schedules (time profiles) for each group.
- **Comprehensive Audit Trail:** Maintain detailed logs of all user activities and system events for full accountability and forensic review.

Built-in Intelligence & Video Analytics

- **Smart Search:** Instantly find relevant video clips by searching for events like motion, analytics triggers, or other metadata, eliminating hours of manual review.
- **Motion Heatmap Generation:** Create visual heatmaps to analyze motion patterns and identify high-traffic areas over time.
- **Integrated LPR:** Includes a built-in License Plate Recognition module for automated vehicle identification and access control.
- **Integrated Facial Recognition (Roadmap):** The platform is currently being expanded to include a native facial recognition and matching module.

System Health, Reporting & Alarms

- **Real-Time System Monitoring:** A dedicated health dashboard provides analytical reports on the status and performance of all system components.
- **Detailed Performance Reports:** Generate and export Excel reports on camera uptime, connection status, recording integrity, and bandwidth usage.
- **Customizable Alarm Engine:** Create powerful rules to define alarm triggers (e.g., motion, analytics, system error) and automate post-alarm actions (e.g., start recording, send notification, trigger relay).

Operator-Centric User Experience

- **Easy Installation & Use:** The software is designed for simple installation and configuration, empowering system administrators to manage the system without vendor support.
- **Localized Interface:** Full support for the Arabic language and Jalali calendar.
- **Customizable Workspaces (Views):** Operators can create and save custom camera layouts and share them publicly or with specific user groups.
- **Multi-Monitor Support:** Display live video, alarms, and playback across multiple monitors for a complete command center overview.
- **Flexible Licensing:** Supports both offline and online licensing models to suit any deployment environment.

DL-VMSPLUS



Features	
Licensing Type	Perpetual
Number of Servers Per System	No Limitation
Maximum Number of Users	Unlimited
Technical Support / Warranty	No Limitation
Version Updates	Free During Support period
Supported Languages	English/ Arabic
Supported Calendars	Solar / Christian Calender
Operating System Platform (Server and Client)	Windows
Microsoft Active Directory Support	Available
Management Server	Available
Management Application, Management Client	Available
Channel Status: Connected/Disconnected, Recording	Available
System Notifications	Available
Camera Manager	Available
Camera Discovery	Available
Object Presence and Activity Level Histogram Display	Available
System Configuration Wizard	Available
Map Support: eMaps, Geo-Maps, Visual Indicators, Action Links	Available
System Logging	Available
Multi Server Integration	Available
Camera Forwarding for Multi Server Integration	Available
Multi-Monitor Support: No Limit to Number of Monitors (Hardware Limitation Only)	Available
Health monitoring dashboard	Available
Layout definition	Available
Virtual Machine Environment support	Available
Action history based on users and/or actions	Available
Time profile definition	Available
Video	
Compression Support including H.265, MPEG-4 and MxPEG	Available
Video Export function (Entire Start to End Date/Time Selection)	Available
Video group Export	Available
Multi Streaming	Available
Metadata Support	Available
Adaptive streaming	Available
Adjustable GOP Size (MPEG-4, H.264 and H.265)	Available
Video Motion Detection	Available
Hardware acceleration function	Available
MultiCast Support	Available
Wide range of IP device support	Available
Advanced video synchronization	Available
Bookmark function: Add: Date/Time, Title, Description	Available
Digital Zoom	Available
Snapshot function	Available
Audio	
AAC, G26, Two-way Audio support including G711	Available
Audio synchronization with video	Available
Device Support	
ONVIF Support	Available
Device integration (Vendor's SDK)	Available
Metadata from Camera embedded analytics	Available
Group Configuration (of multiple devices simultaneously)	Available
Secure camera connectivity, HTTP/HTTPS (TLS) ¹	Available

PTZ	
Widget and on-tile PTZ function	Available
Preset position support	Available
PTZ patrol function	Available
PTZ area zoom function	Available
Recording and Playback	
Scheduled and continuous recording	Available
NAS Support: Network & Remote Storage	Available
Playback on timeline with thumbnail view	Available
Video playback speed control, regular, slow and fast (up to 127x speed)	Available
Instant playback	Available
Edge Recording	Available
Video & Frame Rate / Audio / Motion / Data / VCA (Recording Profile: Continuous)	Available
Video Retention Time	Available
Recording Profile: Motion (Video & Frame Rate / Audio / Post Recording / Motion Alert)	Available
Security	
Main Server Connection Encryption	Available
Server/client communication Encryption	Available
Encryption: Storage, Archival Recording	Available
Secure channel client connectivity	Available
Secure channel camera connectivity	Available
Alarm	
Alarm Management	Available
Advanced Rule engine	Available
Video Analytics	
Heatmap Function	Available
Object detection	Available
Object classification based on color, type	Available
Video Analysis Features like Virtual Fence, Counting, Loitering, ...	Available
Edge and central Video analytics support	Available
User	
Centralized user management	Available
User Authentication	Available
Administration Profile Permissions Support	Available
Membership / Resources Assignment Support	Available
Permissions: Per Resource Permissions	Available
Per Organization / Resource / Component User Permissions	Available
PTZ Prioritization Level	Available
Recent Archive Interval Permissions Support	Available
User Grouping Assignment	Available
User Based Settings Manager	Available
Time Based user access	Available
Secure channel camera connectivity	Available
Alarm Management	Available
Advanced Rule engine	Available

DV-VMS9P



Support for Smart Features

- Line Crossing
- Virtual Fence
- Area Entry
- Area Exit
- Object Loss
- Object Left-behind
- People Counting
- Face Recognition
- Motion Detection
- Human Detection
- Smart Image Search
- Fast Motion Detection
- Camera Covering Detection
- Camera Angle Change Detection
- Parking Detection
- Loitering Detection
- Abnormal Sound Detection
- Out-of-Focus Detection
- Crowd Detection
- Vehicle Detection

Other Advantages

- Support for 512 Channels
- Support for Four Monitors
- Video Recording Support
- Email Notifications
- Face Recognition Capability
- Smart Video Playback (E-Map)



Event



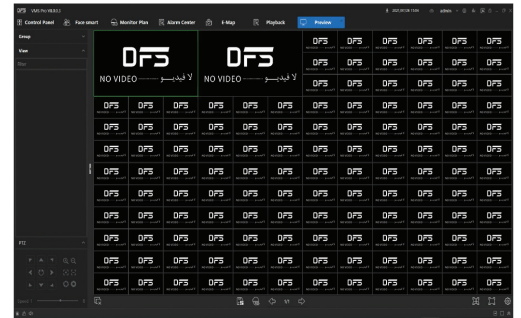
Client



Server



Record



Video

Live View	128 x Ch Live View at a Time on One Screen
Auxiliary Screen	One Main Screen And 3 Auxiliary Screens for Live View
Playback	9 x Ch Playback at a Time
Synchronous Playback	9 x Ch synchronous playback
Backup	Yes
Channel Stream Status	Yes
Customise Windows Division	Yes(maximum Size 10*10)

Requirements Client

Operating System	Microsoft® Windows 7 SP1 and above (64-bit) Microsoft® Windows 8.1 (32-bit or 64-bit) Microsoft® Windows 10 (32-bit or 64-bit) Microsoft® Windows 11
CPU	Intel® Core™ i5 Processor and above
Memory	8 GB and above
Resolution	1920*1080 and Above

General

User	32 users and one super user(Operator And Administrator)
E-map	128
Encoding Device	128 x Channels For Each Group
Channel	128 x Channels For All Groups

Smart Function

Intelligent Function	Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
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Device Support

Supported Devices	Network Camera (fixed and PTZ) NVR Device(Unlimited) Recorder Server Event Server Cloud Account
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Playback

Maximum Channels	9 x Ch
Maximum Export Tasks	10 x Ch
Digital Zoom	Yes

Features	Normal Event Smart Image
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Alarm management

Alarm type	Multiple service and device alarm types
Alarm plan	Yes
Alarm triggered action	Alarm triggered actions including live view, alarm input/output, and preset

Minimum Management Server Requirements

Memory	16GB
Free disk space	Minimum 4TB(Optional)
NIC	1000Mbps Ethernet port

PASSIVE NETWORK EQUIPMENT

A Review of Technology



Cuprium Series

Cat6 Cable UTP-SFTP



DNC-Cuprum 6UTP

Conductor	
Size	23 AWG
Design Type	Spacer / Copper Wires / 1 Jacket
Diameter (mm)	0.55 ± 0.5
Insulation	
Type	UTP
Cable Diameter	Nom. 5.5±0.5 mm
Jacket ThicDNess	Nominal ThicDNess = 0.56 mm
Shielding	N/A
Physical	
1. Cold Bend Test	-30 ± 2°C X 4hrs no crack
2. Dielectric strength	AC 1.7KV for 2s
Jacket	
Min Bending Radius	50 mm
Installation Temperature	-10°C to +60°C
Type	PVC
Overall Diameter	6.1 ± 0.3 mm



DNC-Cuprum 6SFTPI

Conductor	
Size	23 AWG
Design Type	Spacer / Copper Wires / 1 Jacket/Shield/Foil
Diameter (mm)	0.5 ± 0.55
Insulation	
Type	SFTP-Indoor
Cable Diameter	Nom. 5.5±0.5 mm
Jacket ThicDNess	Nominal ThicDNess = 0.56 mm
Shielding	Aluminium / Polyester Foil
Physical	
1. Cold Bend Test	-30 ± 2°C X 4hrs no crack
2. Dielectric strength	AC 1.7KV for 2s
Jacket	
Min Bending Radius	50 mm
Installation Temperature	-10°C to +60°C
Type	PVC
Overall Diameter	8.1 ± 0.3 mm

DNC-Cuprum 6SFTPO

Conductor	
Size	23 AWG
Design Type	Spacer / Copper Wires / 1 Jacket/ Shield/Foil
Diameter (mm)	0.5 ± 0.55
Insulation	
Type	SFTP Outdoor
Cable Diameter	Nom. 5.5±0.5 mm
Jacket ThicDNess	Nominal ThicDNess = 0.59 mm
Shielding	Aluminium / Polyester Foil
Physical	
1. Cold Bend Test	-30 ± 2°C X 4hrs no crack
2. Dielectric strength	AC 1.7KV for 2s
Jacket	
Min Bending Radius	50 mm
Installation Temperature	-10°C to +65°C
Type	Polyethylene
Overall Diameter	8.3 ± 0.3 mm



Patch Cord



DPC-CM6UTP 50/100/200/300/500

Physical	
AWG	24
Termination	Rj45
Color	Yellow / Blue / Red / Gray / Green / Violet
Jacket	PVC- FR
Transmission Characteristics	
Type	Cat6 UTP
Mechanical Characteristics	
Maximum Pulling Force (E1-2-1-60794 IEC)	200N
Packaging	Individually Packaged in a Plastic Bag
Usage Characteristics	
Minimum Static Operating Bending Radius	10 mm
Operating Temperature, Range	-10 ~ 50°C
Meter	50 / 100 / 200 / 300 / 500 CM



DPC-CM6SFTP 50/100/200/300/500

Construction Characteristics	
AWG	24
Termination	Rj45
Color	Yellow / Blue / Red / Gray / Green / Violet
Jacket	PVC- FR
Transmission Characteristics	
Type	Cat6 SFTP
Mechanical Characteristics	
Maximum Pulling Force (E1-2-1-60794 IEC)	200N
Packaging	Individually Packaged in a Plastic Bag
Usage Characteristics	
Minimum Static Operating Bending Radius	10 mm
Operating Temperature, Range	-10 ~ 50°C
Meter	50 / 100 / 200 / 300 / 500 CM



DPF-SCLC / PF-SCSC / PF-LCLC 100/200/300

Patch cord	
Type	Single Mode Fiber
Termination	SC/LC - SC/SC - LC/LC
Color	Yellow
Jacket	PVC
Temperature	-40 °C ~ +60 °
Packaging	Individually Packaged in a Plastic Bag
Meter	100 / 200 / 300 CM

Keystone



DNK-3U 8P U6UTP

Keystone	
Plug Connection	Can Be Integrated In All Supports
Type	UTP Socket With Fast Connection
Patch Cable Diameter Volume	7.9 mm
Weight	10g
Wire AWG	With Lcs ³ Connector With Fast Connection Thanks To Integrated Crimping Take Awg 22 Single-Core Cables Up To Awg 26 And Awg Multicore Cables
Application	Contacts Marked With Dual Colour Code And Wiring Schemes T568 A And T 568 B
Standard	CONFORM TO STANDARDS ISO/IEC 11801 ED. 3.0, EN 50173-1 AND TIA/EIA 568 C
Material	PVC



DNK-3U 8P L6UTP

Keystone	
Plug Connection	Can Be Integrated In DFS NP-24L Patch Panel
Type	UTP Socket With Fast Connection
Patch Cable Diameter Volume	7.9 mm
Weight	13 g
Wire AWG	With Lcs ³ Connector With Fast Connection Thanks To Integrated Crimping Take Awg 22 Single-Core Cables Up To Awg 26 And Awg Multicore Cables
Application	Contacts Marked With Dual Colour Code And Wiring Schemes T568 A And T 568 B
Standard	Conform To Standards Iso/iec 11801 Ed. 3.0, En 50173-1 And Tia/Eia 568 C
Material	PVC



DNK-3U 8P L6SFTP

Keystone	
Plug Connection	Can Be Integrated In DFS NP-24L Patch Panel
Type	SFTP Socket With Fast Connection
Patch Cable Diameter Volume	8.6 mm
Weight	30 g
Wire AWG	With Lcs ³ Connector With Fast Connection Thanks To Integrated Crimping Take Awg 22 Single-Core Cables Up To Awg 26 And Awg Multicore Cables
Application	Contacts Marked With Dual Colour Code And Wiring Schemes T568 A And T 568 B
Standard	Conform To Standards Iso/iec 11801 Ed. 3.0, En 50173-1 And Tia/Eia 568 C
Material	Metal

Socket



DNS-3U 8P 6UTP



UTP Socket

Applicable Standards	T568A / T568B
Type	UTP - Cat6
Contact Resistance	20 ohms
Insulation Resistance	100 ohms
Temperature Rating (Min / Max)	-40/80 °C
Weight	3.4g / pcs
Wire Awg Min / Max (Solid / Stranded)	24AWG to 23AWG
Conductor Diameter (Min/Max)	0.40/0.55mm
Cord Diameter (Max)	1.1mm
Finished	0.3 Micro-Inch Gold Plating
Material	PVC

DNS-3U 8P 6SFTP



SFTP Socket

Applicable Standards	T568A / T568B
Type	SFTP - Cat6
Contact Resistance	20 ohms
Insulation Resistance	100m ohms
Temperature Rating (Min / Max)	-40/80 °C
Weight	6.8g / pcs
Wire Awg Min / Max (Solid / Stranded)	24AWG to 23AWG
Conductor Diameter (Min/Max)	0.40/0.55mm
Cord Diameter (Max)	1.1mm
Finished	0.3 Micro-Inch Gold Plating
Material	Metal

DNS-3U 8P 6SFTPS



SFTP Socket

Applicable Standards	T568A / T568B
Type	SFTP - Cat6
Contact Resistance	20 ohms
Insulation Resistance	100 ohms
Temperature Rating (Min / Max)	-40/80 °C
Weight	10.8g / pcs
Wire Awg Min / Max (Solid / Stranded)	24AWG to 23AWG
Conductor Diameter (Min/Max)	0.40/0.55mm
Cord Diameter (Max)	1.5mm
Finished	0.3 Micro-Inch Gold Plating
Material	Metal
Load Bar	PVC(With Guide)
Strain Relief	Metal

DNS-3U 8P 7SFTPS



SFTP Socket

Applicable Standards	T568A / T568B
Type	SFTP - Cat7
Contact Resistance	20 ohms
Insulation Resistance	100 ohms
Temperature Rating (Min / Max)	-40/80 °C
Weight	11.2g / pcs
Wire Awg Min / Max (Solid / Stranded)	24AWG to 23AWG
Conductor Diameter (Min/Max)	0.40/0.55mm
Cord Diameter (Max)	2.1mm
Finished	0.3 Micro-Inch Gold Plating
Material	Metal
Load Bar	PVC(With Guide)
Strain Relief	Metal

DNS-3U 8P 7SFTPSEO



SFTP Socket

Applicable Standards	T568A / T568B
Type	SFTP - Cat7 - End Open
Contact Resistance	20 ohms
Insulation Resistance	100 ohms
Temperature Rating (Min / Max)	-40/80 °C
Weight	11.2g / pcs
Wire Awg Min / Max (Solid / Stranded)	24AWG to 23AWG
Conductor Diameter (Min/Max)	0.40/0.55mm
Cord Diameter (Max)	2.1mm
Finished	0.3 Micro-Inch Gold Plating
Material	Metal
Load Bar	PVC(With Guide)
Strain Relief	Metal

DNS-3U 8P 6UTPEO



UTP Socket

Applicable Standards	T568A / T568B
Type	UTP - Cat6 - End Open
Contact Resistance	20 ohms
Insulation Resistance	100 ohms
Temperature Rating (Min / Max)	-40/80 °C
Weight	10.8g / pcs
Wire Awg Min / Max (Solid / Stranded)	24AWG to 23AWG
Conductor Diameter (Min/Max)	0.40/0.55mm
Cord Diameter (Max)	1.1mm
Finished	0.3 Micro-Inch Gold Plating
Material	Metal
Load Bar	PVC
Strain Relief	Metal

DNS-3U 8P 6UTPTL



UTP Socket

Applicable Standards	T568A / T568B
Type	SFTP - Cat6 - Tool less
Contact Resistance	20 ohms
Insulation Resistance	100 ohms
Temperature Rating (Min / Max)	-40/80 °C
Weight	19.2g / pcs
Wire Awg Min / Max (Solid / Stranded)	24AWG to 23AWG
Conductor Diameter (Min/Max)	0.40/0.55mm
Cord Diameter (Max)	1.5mm
Finished	0.3 Micro-Inch Gold Plating
Material	Metal
Load Bar	PVC(With Guide)
Strain Relief	Metal



Panel Metal Network

DNP-24U



24 Port Metal Panel

Cable Type	CAT 6 / CAT 7
Color	Black
Size	1U
Mod Jack Wiring	T568a / B Universal Wiring
Input Plug Type	RJ45 MALE
Keystone Type	UTP
Material	Metal
Mounting	Rack Mount
Performance Rating	High
Product Fits Into	19-Inch Rack
Receptacle Type	RJ45 Female, 8P8c
Manufacturer	DFS
Installation	Launch From Rear
Panel Guidance	Equipped with rear cable guide to hold cables during maintenance

DNP-24UD



24 Port Metal Panel

Cable Type	CAT 6 / CAT 7
Color	Black
Size	1U
Mod Jack Wiring	T568a / B Universal Wiring
Input Plug Type	RJ45 MALE
Keystone Type	UTP / STP
Material	Metal
Mounting	Rack Mount
Performance Rating	High
Product Fits Into	19-Inch Rack
Receptacle Type	RJ45 Female, 8P8c
Manufacturer	DFS
Installation	Launch From Rear
Panel Guidance	Equipped with rear cable guide to hold cables during maintenance

DNP-24L



24 Port Metal Panel

Cable Type	CAT 6 / CAT 7
Color	Black, White
Size	1U
Mod Jack Wiring	T568a / B Universal Wiring
Input Plug Type	RJ45 MALE
Keystone Type	UTP / STP
Material	Metal
Mounting	Rack Mount
Performance Rating	High
Product Fits Into	19-Inch Rack
Receptacle Type	RJ45 Female, 8P8c
Manufacturer	DFS
Installation	Launch From Front
Panel Guidance	Equipped with rear cable guide to hold cables during maintenance

DNP-1UD



Keystone Cover

Plug Connection Type	Can Be Integrated In DFS NK-3U 8P U6UTP UTP Socket With Fast Connection
Patch Cable Diameter Volume	8.6 mm
Weight	29 g
Wire AWG	With Lcs ³ Connector With Fast Connection Thanks To Integrated Crimping Take Awg 22 Single-Core Cables Up To Awg 26 And Awg Multicore Cables
Application	Contacts Marked With Dual Colour Code And Wiring Schemes T568 A And T 568 B
Standard	Conform To Standards Iso/Iec 11801 Ed. 3-0, En 50173-1 And Tia/Eia 568 C
Material	PVC

DCM-1U



Cable Management

Color	Black, White
Size	1U
Included	Cable Management With Cover
Cable Slot	24
Material	Metal
Mounting	Rack Mount
Performance Rating	High
Product Fits Into	19 Inch Rack
Manufacturer	DFS

DCM-1UB



Cable Management

Color	Black, White
Size	1U
Included	Cable Management With Brush
Material	Metal
Mounting	Rack Mount
Performance Rating	High
Product Fits Into	19 Inch Rack
Manufacturer	DFS

DBL-2U BL-1U / BL-4U



Blank Panel

Material	Metal
Color	Black
Size	1U / 2U / 4U
Mounting	Rack Mount
Product Fits Into	19 Inch Rack
Dimension	485*90*15 mm / 285*180*15 mm

DNP-08LDR



Cable Management

Color	White
Size	49X183X193 mm
Included	Cable Management
Material	Metal
Mounting	DIN-Rail
Performance Rating	High
Product Fits Into	KR-0802FDW KR-0802FDWS
Manufacturer	DFS

Rack / Power Module



KR-40X/80X

Wall Mount Rack Box

Box type	Wall Mount
Outdoor Rate	IP65
Products fits Into	Products Fits Into:DFS 400X-800X , 40X-80X Series Network Switch
Color	Gray
Usage	Include Rackmount Products
Dimension	388*382*105 mm
Product Fits Into	12.6 Inch Rack
Ability	Ability to Install The Gland from below



KR-160X/240X

Wall Mount Rack Box

Box type	Wall Mount
Outdoor Rate	IP65
Products fits Into	DFS 160X-240X Series Network Switch
Color	Gray
Usage	Include Rackmount Products
Dimension	553*483*105 mm
Product Fits Into	19 Inch Rack Standard
Ability	Ability to Install The Gland from below



KR-0802FDW

Wall Mount Rack Box

Box type	Wall Mount / Double Wall
Outdoor Rate	IP66
Products fits Into	DFS 040X-080X Series Network Switch
Color	Gray
Usage	Include Din Rail Products
Dimension	445*400*370 mm
Ability	Ability to install the Gland from below, Ability to install the Fan 9 x 9 cm
Rail Dimension	25 cm



KR-0802FDWS

Wall Mount & Standing Cabinet Rack Box

Box type	Wall Mount & Standing Cabinet
Outdoor Rate	IP54
Products fits Into	DFS 040X-080X Series Network Switch, NP-08LDR, FP-06D1UD FULL
Color	Gray (Optional By Order)
Stand	80CM (Optional By Order)
Usage	Include Din Rail & Desktop Products
Dimension	420*633*362 mm
Ability	Ability to install the Gland from below, Ability to install the Fan 9 x 9 cm (Optional By Order)
Rail Dimension	37 cm



DPM-08P

Power Strip

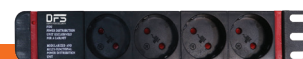
type	Rack Mount
Input	8 Port Power Module
Color	Black
Material	PVC
Dimension	435*45*45 mm
Voltage	220V
Weight	610 g



DPM-04P

Power Strip

type	Rack Mount
Input	4 Port Power Module
Color	Black
Material	PVC
Dimension	235*45*45 mm
Voltage	220V
Weight	300 g



Fiber Optic Patch Panel



DFP-12D1UF / DFP-24D1UF

Fiber Optic Patch Panel

Type	Patch Panel 24 Core Rack Mount(12 Port) Patch Panel 48 Core Rack Mount(24 Port)
Color	Black, White
Input Plug Type	N/A
Keystone Type	N/A
Material	Metal
Mounting	Rack Mount
dimension	430*280*40 mm
Input Fiber Optic	4 Reinforced Inputs By Glands
Ability	Install DX Duplex Adapter



DFP-12D1UR / DFP-24D1UR

Fiber Optic Patch Panel

Type	Patch Panel 24 Core Rail Mount (12 Port) Patch Panel 48 Core Rail Mount (24 Port)
Color	Black, White
Input Plug Type	N/A
Keystone Type	N/A
Material	Metal
Mounting	Rail Mount
dimension	440*310*40 mm
Input Fiber Optic	4 Reinforced Inputs By Glands
Ability	Install DX Duplex Adapter



DFP-06D1UW

Fiber Optic Patch Panel

Type	Patch Panel 12 Core Wall Mount (6 Port)
Color	Black, White
Input Plug Type	N/A
Keystone Type	N/A
Material	Metal
Mounting	Wall mount
dimension	115*290*45 mm
Input Fiber Optic	4 Reinforced Inputs By Glands
Ability	Install DX Duplex Adapter



DFP-06D1UD

Fiber Optic Patch Panel

Type	Patch Panel 12 Core Din rail (6 Port)
Color	Black, White
Input Plug Type	N/A
Keystone Type	N/A
Material	Metal
Mounting	Din Rail
dimension	193*167*45 mm
Input Fiber Optic	4 Reinforced Inputs By Glands
Ability	Install DX Duplex Adapter



Fiber Optic Patch Panel (FULL)



DFP-12D1UF FULL / DFP-24D1UF FULL

Fiber Optic Patch Panel

Type	Full Patch Panel 24 Core Rack Mount(12 Port) Full Patch Panel 48 Core Rack Mount(24 Port)
Color	Black, White
Mod Jack Wiring	Full Patch Panel 24 Core Rack mount
Input Plug Type	Duplex Adaptor, SC To SC Duplex
Keystone Type	SC To SC
Material	Metal with PVC Cassette, It Has A Thick Layer Of Scratch-Resistant Blend Powder Paint, Crimp Heater
Mounting	Rack Mount
dimension	430*280*40 mm
Input Fiber Optic	4 Reinforced Inputs By Glands
Ability	Install DX Duplex Adapter



DFP-12D1UR FULL / DFP-24D1UR FULL

Fiber Optic Patch Panel

Type	Full Patch Panel 24 Core Rail Mount (12 Port) Full Patch Panel 48 Core Rail Mount (24 Port)
Color	Black, White
Mod Jack Wiring	Full Patch Panel 48 Core Rail Mount
Input Plug Type	Duplex Adaptor, SC To SC Duplex
Keystone Type	SC To SC
Material	Metal with PVC Cassette, It Has A Thick Layer Of Scratch-Resistant Blend Powder Paint, Crimp Heater
Mounting	Rail Mount
dimension	430*280*40 mm
Input Fiber Optic	4 Reinforced Inputs By Glands
Ability	Install DX Duplex Adapter



DFP-06D1UW FULL

Fiber Optic Patch Panel

Type	Patch Panel 12 Core Wall Mount (6 Port)
Color	BLACK, White
Mod Jack Wiring	Full Patch Panel 12 Core Wall Mount
Input Plug Type	Duplex Adaptor, SC To SC Duplex
Keystone Type	SC To SC
Material	Metal with PVC Cassette, It Has A Thick Layer Of Scratch-Resistant Blend Powder Paint, Crimp Heater
Mounting	Wall Mount
dimension	115*290*45 mm
Input Fiber Optic	4 Reinforced Inputs By Glands
Ability	Install DX Duplex Adapter



DFP-06D1UD FULL

Fiber Optic Patch Panel

Type	Full Patch Panel 12 Core Din Rail (6 Port)
Color	BLACK, White
Mod Jack Wiring	Full Patch Panel 12 Core Din rail
Input Plug Type	Duplex Adaptor, SC To SC Duplex
Keystone Type	SC To SC
Material	Metal with PVC Cassette, It Has A Thick Layer Of Scratch-Resistant Blend Powder Paint, Crimp Heater
Mounting	Din Rail
dimension	193*167*45 mm
Input Fiber Optic	4 Reinforced Inputs By Glands
Ability	Install DX Duplex Adapter

Fiber Optic Cable



DKF-04CAO

Fiber Optic 4 Core Cable

Cable Type	Fiber Optic SM(Drop)
Color	BLACK
Count Core	4 Core Drop
Material	Flame PVC Outer Jacket
Mode	Single Mode
Temperature	-40°C~+70°C
Core Size	9μ
Jelley Filled / Ripe Core	No
Guard	Yes 3 Guard Triple Steel (Optional)
Lose Tube	1*4
Armord	No



DKF-06CAO

Fiber Optic 6 Core Cable

Cable Type	Fiber Optic SM(Drop / OBUC / OBFC By Order)
Color	BLACK
Count Core	6 Core Drop
Material	Flame PVC Outer Jacket
Mode	Single Mode
Temperature	-40°C~+70°C
Core Size	9μ
Jelley Filled / Ripe Core	No
Guard	Yes 3 Guard Triple Steel (Optional)
Lose Tube	1*6
Armord	No



DKF-08CAO

Fiber Optic 8 Core Cable

Cable Type	Fiber Optic SM(Drop / OBUC / OBFC By Order)
Color	BLACK
Count Core	8 Core Drop
Material	Flame PVC Outer Jacket
Mode	Single Mode
Temperature	-40°C~+70°C
Core Size	9μ
Jelley Filled / Ripe Core	No
Guard	Yes 3 Guard Triple Steel (Optional)
Lose Tube	1*6
Armord	No



DKF-12CAO

Fiber Optic 12 Core Cable

Cable Type	Fiber Optic SM (OBUC / OBFC By Order)
Color	BLACK
Count Core	12 Core
Material	Flame PE Outer Jacket
Mode	Single Mode
Temperature	-40°C~+70°C
Core Size	9.2μ
Jelley Filled / Ripe Core	No
Guard	Yes 2 Guard Double Steel (Optional)
Lose Tube	2*6
Armord	Yes



DKF-24CAO

Fiber Optic 24 Core Cable

Cable Type	Fiber Optic SM (OBUC/ OBFC By Order)
Color	BLACK
Count Core	24 Core Armored
Material	Flame PE Outer Jacket
Mode	Single Mode
Temperature	-40°C~+70°C
Core Size	9.2μ
Jelley Filled / Ripe Core	Yes
Guard	Yes 2 Guard Single Steel (Optional)
Lose Tube	4*6
Armord	Yes



DKF-48CAO

Fiber Optic 48 Core Cable

Cable Type	Fiber Optic SM (OBUC/ OBFC By Order)
Color	BLACK
Count Core	48 Core Armored
Material	Flame PE Outer Jacket
Mode	Single Mode
Temperature	-40°C~+70°C
Core Size	9.2μ
Jelley Filled / Ripe Core	Yes
Guard	Yes 2 Guard Single Steel (Optional)
Lose Tube	6*8
Armord	Yes



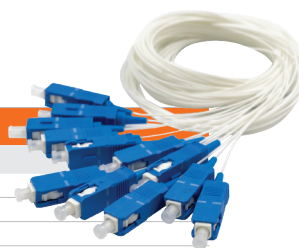
Fiber Optic Equipment



DPG-150CMSC

Pigtail

Cable Type	Fiber Optic Pigtail SC/UPC
Color	Blue
Count Core	1 Core
Material	Flame PVC Outer Jacket
Mode	Single Mode
Temperature	-40°C~+70°C
Core Size	0.9 mm
Strip Size	1.5 M
Insertion Loss	0.28DB
Return Loss	55.8DB



DFA-2SC-SC

Duplex Adapter

Cable Type	Fiber Optic SC to SC Adapter
Color	Blue
Count Core	2 Core
Material	Material Flame PVC Outer Jacket
Mode	Single Mode UPC Duplex Couplers
Temperature	-40°C~+70°C
Connector	SC Female to SC Female Fiber Coupler are Lightweight Due to Their Plastic
Ability	Fiber Optic Cable to Cable Connection or Patch Cords Extender in Local Area Networks (LANs), Wide Area Networks (WAN), Metropolitan Area Networks (MAN) Data Center, Business, Premises, Security, FTTH, FTTP, FTTA, High EMI, and Commercial Applications. SC-SC Fiber Adapter Duplex Comply with IEC 61754-4, IEC 60784-14 and TIA 604-3 and Conform to RoHS Standards



DTC-60

Crimp

Cable Type	Termal Crimp
Color	White
Count Core	1 Core
Material	Flame PVC Outer Jacket
Mode	Single Mode, Multi mode
Heat Temperature	>125>
Core Size	60mm, Pin length: 55mm Inner
diameter	1.2mm
Reduced size	2.6mm





Mini-GBIC

DKG-GLC20SC



Performance

Maximum Data Transfer Rate	1.25 Gbps
MTBF	3,381,761 Hours
Wavelength	1310nm

Physical Characteristics

Color	Silver
Enclosure Type	Aluminum
Product Height	12.5 mm [0.5 in]
Product Length	56.6 mm [2.2 in]
Product Weight	16 g [0.6 oz]
Product Width	13.7 mm [0.5 in]

Performance

Max Transfer Distance	20 Km
Fiber Type	Single
Fiber Operating Mode	Full-Duplex
DDM	Yes
Compatible Networks	1000 Mbps (1 Gbps)

Hardware

Industry Standards	IEEE 802.3z 1000BASE-SX
Compatible Brand	Cisco, DFS, Planet, D-Link, etc

Connector(s)

Local Unit Connectors	Fiber Optic LC Duplex Female
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DKG-10GLC10SC



Performance

Maximum Data Transfer Rate	10 Gbps
MTBF	3,381,761 Hours
Wavelength	1310nm

Physical Characteristics

Color	Silver
Enclosure Type	Aluminum
Product Height	12.5 mm [0.5 in]
Product Length	56.6 mm [2.2 in]
Product Weight	16 g [0.6 oz]
Product Width	13.7 mm [0.5 in]

Performance

Max Transfer Distance	10 Km
Fiber Type	Single
Fiber Operating Mode	Full-Duplex
DDM	Yes
Compatible Networks	10000 Mbps (10 Gbps)

Hardware

Industry Standards	IEEE 802.3z 1000BASE-SX / IEEE 802.3ae
Compatible Brand	Cisco, DFS, Planet, D-Link, etc

Connector(s)

Local Unit Connectors	Fiber Optic LC Duplex Female
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DKG-GLC80SC



Performance

Maximum Data Transfer Rate	1.25 Gbps
MTBF	3,381,761 Hours
Wavelength	1550nm

Physical Characteristics

Color	Silver
Enclosure Type	Aluminum
Product Height	12.5 mm [0.5 in]
Product Length	56.6 mm [2.2 in]
Product Weight	16 g [0.6 oz]
Product Width	13.7 mm [0.5 in]

Performance

Max Transfer Distance	80 Km
Fiber Type	Single
Fiber Operating Mode	Full-Duplex
DDM	Yes
Compatible Networks	1000 Mbps (1 Gbps)

Hardware

Industry Standards	IEEE 802.3z 1000BASE-SX
Compatible Brand	Cisco, DFS, Planet, D-Link, etc

Connector(s)

Local Unit Connectors	Fiber Optic LC Duplex Female
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DKG-GLC20SCi



Performance

Maximum Data Transfer Rate	1.25 Gbps
Type	Industrial
MTBF	3,381,761 Hours
Wavelength	1310nm

Physical Characteristics

Color	Silver
Enclosure Type	Aluminum
Product Height	12.5 mm [0.5 in]
Product Length	56.6 mm [2.2 in]
Product Weight	16 g [0.6 oz]
Product Width	13.7 mm [0.5 in]

Performance

Max Transfer Distance	20 Km
Fiber Type	Single
Fiber Operating Mode	Full-Duplex
DDM	Yes
Compatible Networks	1000 Mbps (1 Gbps)

Hardware

Industry Standards	IEEE 802.3z 1000BASE-SX
Compatible Brand	Cisco, DFS, Planet, D-Link, etc

Connector(s)

Local Unit Connectors	Fiber Optic LC Duplex Female
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DKG-GLC20BiDi



Performance

Maximum Data Transfer Rate	1.25 Gbps
MTBF	3,381,761 Hours
Wavelength	1310nm A
Wavelength	1550nm B

Physical Characteristics

Color	Silver
Enclosure Type	Aluminum
Product Height	12.5 mm [0.5 in]
Product Length	56.6 mm [2.2 in]
Product Weight	16 g [0.6 oz]
Product Width	13.7 mm [0.5 in]

Performance

Max Transfer Distance	20 Km
Fiber Type	Single / LC
Fiber Operating Mode	Full-Duplex
DDM	Yes
Compatible Networks	1000 Mbps (1 Gbps)

Hardware

Industry Standards	IEEE 802.3z 1000BASE-SX
Compatible Brand	Cisco, DFS, Planet, D-Link, etc

Connector(s)

Local Unit Connectors	Fiber Optic LC Duplex Female
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Junction Box



DKJ-D15B45 / DKJ-ECOB25

General

Dimension	140*140*45 mm / 105*105*45 mm
Material Body	ABS Plastic
IP Rating	IP65
Weight	175 g / 100 g
UV Protection	Unti UV
ThicDNess	4 mm

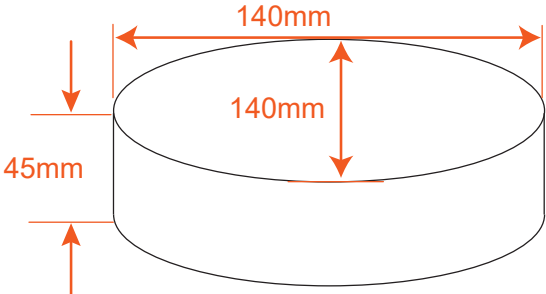
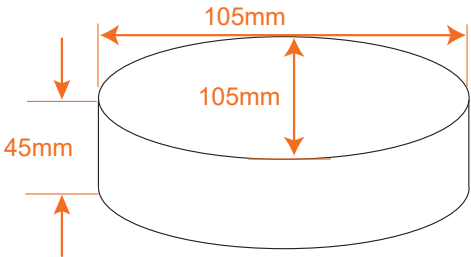
Accessories

Rawlplug	3 PCS
Plastic Washer	3 PCS
Steel Screw	4 PCS
Sealing Screw	3 PCS



Capabilities

- IP65 Weatherproof Design
- Protects Connectors and Wiring from water damage, tampering, and vandalism
- Spacious Cable Management
- Provides a Clean and Professional Appearance for a finished installation
- Reduces Vibration Transfer from the mounting surface to the camera
- Increases Overall Camera Lifespan by protecting components from weather and impact
- Universal Fit: Compatible with DFS housings and most cameras with a base < 13cm



Plated Metal Inserts



Cable Strain Relief



Condensation / Drainage Holes



Network Keyboard Controller



DKK-DH55

Network Keyboard Controller

Type	Network Keyboard Controller
Color	Black
Control Mode	Network
Screen display	Display LCD, 75.2mm×33.85mm
Interface	RJ-45, RS232, RS485, RS422 (reserved), USB, 1 RS232/2 RS485
Ambient Temp	-10°~+55°
Power Supply	Power adapter, input 100V~240V 50Hz/60Hz, output DC12V/2A
Power Consumption	5W
ONVIF	Support
Joystick	Joystick 3-axis, vector-solving, with twisting, return to-center head
Language	Chinese/English
Access Device No	No Upper Limit-Display by Single Picture
Dimension	330*139*53 mm
Weight	1.3kg (Including package)



DKK-DH65

Network Keyboard Controller

Type	Network Keyboard Controller
Color	Black
Control Mode	Network
Screen display	5.0» HD LED Display
Interface	RJ-45, RS232, RS485, RS422 (reserved), USB, 1 RS232/2 RS485
Ambient Temp	-10°~+55°
Power Supply	Power adapter, input 100V~240V 50Hz/60Hz, output DC12V/2A
Power Consumption	5W
ONVIF	Support
Joystick	Joystick 3-axis, vector-solving, with twisting, return to-center head
Language	Chinese/English
Access Device No	No Upper Limit-Display by Single Picture
Dimension	360*160*48 mm
Weight	1.5kg (Including package)



DKK-TS10

Network Keyboard Controller

Type	Android 6.0
screen size	IPS 10.1 inch Screen, Resolution 1280*800 Capacitive touch screen
Display	Support HDMI 4K@30fps
Decoding capability	1.Support h264/h265 2.Max Support h264 1x1080p@60fps 3.Max Support h264 4x720p@30fps 4.Max Support h265 1x4k@30fps
Protocol	Support Onvif2.4 ,Support OEM
Function	1-Supports up to 1024 devices to add 2-Support PTZ Control 3-Support Preset 4-Support Patrol 5-Support Pattern
System Settings	1.Support language settings 2.Support password modification 3.Support U disk upgrade
Power	Standard 5.5/2.1 Power interface, DC 12V2A±10%
Interfaces	- One RJ45 (Network) - One Phoenix Port(RS485) - One RS232 - One HDMI Output,Version 1.4 - One USB2.0 - A standard 3.5MM headphone jac
Operation interface	Support 4D Joystick,Support button
Power consumption	>15W
Standby current	< 100mA
Mean time between failures	>30000
Working humidity	10%-90%RH()
Working temperature	-10°C-40°C
Storage temperature	-40°C-60°C
Dimention	450*181*113mm
weight	1.580 Kg

Company Standards



● ISO 22311: 2012

This Certificate Has Been Issued By The Certification Body Independently And In The Form Of A Non-Accredited

● ISO/IEC 30137-1 : 2019

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● ISO 28001 : 2007

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● ISO/IEC 27037 : 2012

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● ISO 10002 : 2018

Customer Satisfaction - Guidelines For Customer Complaints Handling in Organizations

● ISO 10004 : 2018

Customer Satisfaction - Guidelines For Monitoring and Measuring

● BS EN ISO 9001 : 2015

Quality management systems

● ISO/IEC CD 30137-1

Use of biometrics in video surveillance systems-Part 1: Design and Specification

● ISO 14001 : 2015

Environmental Management System

● ISO 21500 : 2012

Guidance On Project Management

● CE Standards

QAL UK Limited

● HSE-MS

Health, Safety and Environment Management System

● ISO 45001 : 2018

Occupational Health and Safety Management System

● IMS

ISO 9001 : 2015 , ISO 14001 : 2015 , ISO 45001 : 2018

● ISO 10015 : 2019

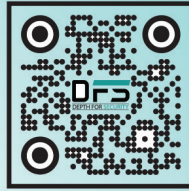
Quality Management-Guidelines For Competence Management and People Development

● ISO/IEC 27001 : 2013

Information Security Management System

● ISO 31000 : 2019

Risk Management-Guidelines, Provides Principles, a Framework And Process for Managing Risk



OMAN

Unit 601, Tathmeer T8 Building, Kanz Real Estate Offices, Bawshar, Commercial Square, Al Ameen area, opposite Oman Mall



بنابة تثمير T8، وحدة 601، مكاتب كنز العقارية، ولاية بوشر، المربع التجاري، منطقة الأمين، مقابل عمان مول

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