HIKVISION

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iDS-9632NXI-M8/X
DeepinMind M Series NVR

Key Feature

- Up to 2-ch@32 MP/2-ch@24 MP/4-ch@12 MP/8-ch@8 MP/16-ch@4 MP/32-ch@1080p decoding capacity
- H.265+/H.265/H.264+/H.264 video formats
- Up to 32-ch IP cameras can be connected
- Intelligent analytics based on deep learning algorithm
- Up to 24-ch perimeter protection
- Up to 16-ch facial recognition for video stream, or up to 32-ch facial recognition for face picture
- Up to 12-ch video structuralization

Profession and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Dual-stream recording saves bandwidth
- Adopt stream over TLS encryption technology which provides more secure stream transmission service
- Support double verification for playback and downloading
- ANR (Automatic Network Replenishment) technology ensures network camera video storage reliability

HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 8K resolution or dual 4K resolution

Storage and Playback

- Up to 8 SATA interfaces for HDD connection
- Up to 16-ch synchronous playback

Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.), heat map, ANPR (Automatic Number-Plate Recognition), and people counting
- POS information overlay on live view and playback, and POS triggered recording and alarm
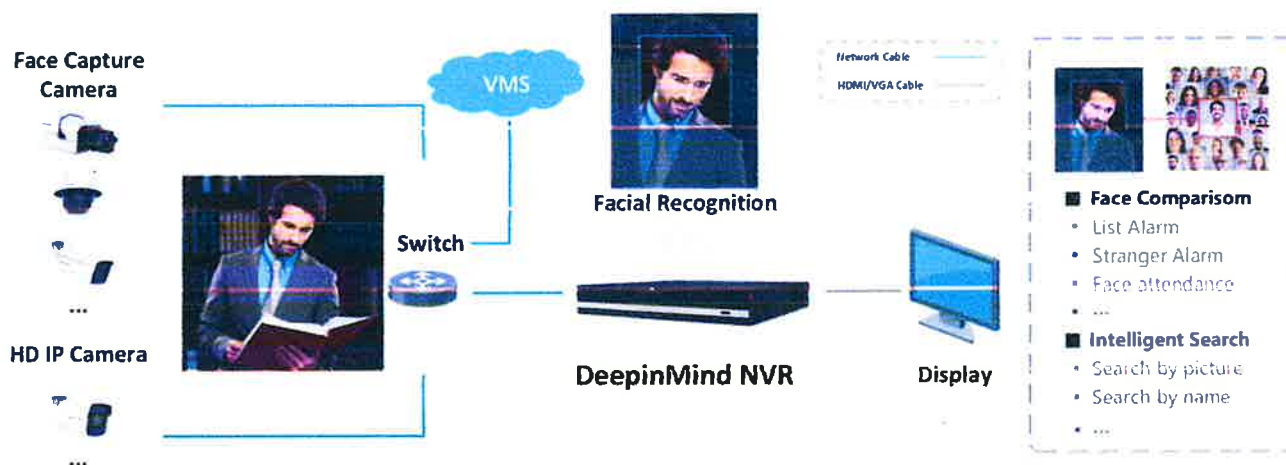
Network & Ethernet Access

- 2 self-adaptive 10M/100M/1000M Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Smooth streaming technology
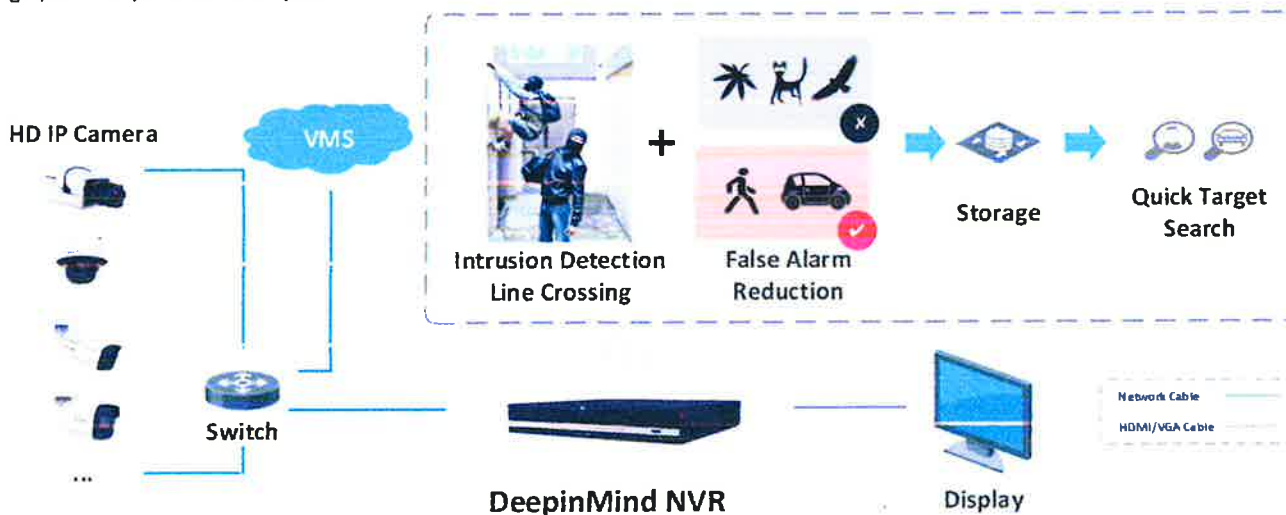- Support web access without plug-in

Typical Application

Facial Recognition and Face Picture Comparison

Modeling and analyzing face pictures captured by cameras. Realize list alarm and stranger alarm via face picture library. Search target people by picture and name features.

Face Capture Camera

HD IP Camera

VMS

Switch

Facial Recognition

DeepinMind NVR

Display

Network Cable
HDMI/VGA Cable

■ **Face Comparison**
- List Alarm
- Stranger Alarm
- Face attendance
- ...

■ **Intelligent Search**
- Search by picture
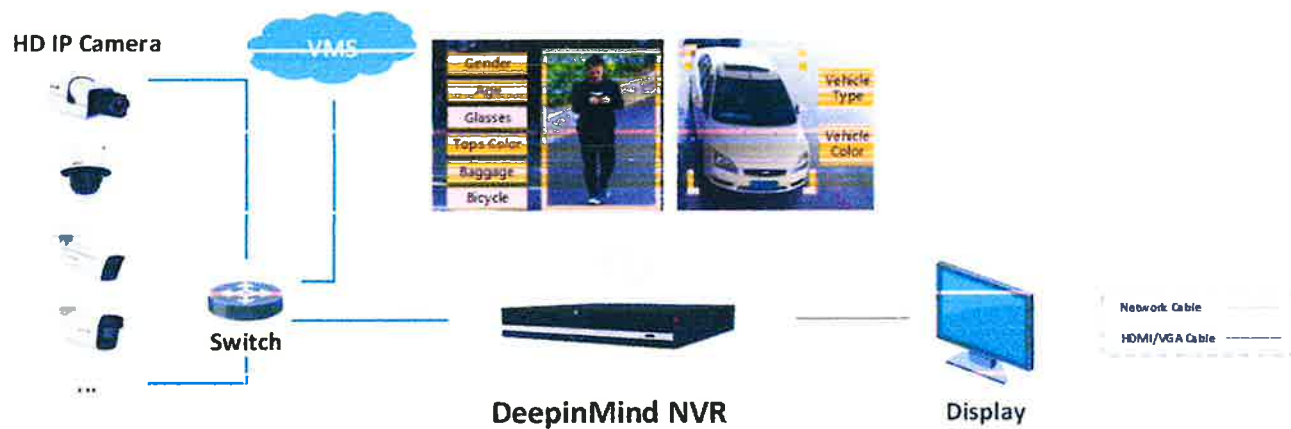- Search by name
- ...

Perimeter Protection

Adopt deep learning algorithm to reduce false alarm, effectively reduces the false alarm caused by tree branches, leaves, shadow, light, vehicles, small animals, etc.

HD IP Camera

VMS

Intrusion Detection Line Crossing

False Alarm Reduction

Storage

Quick Target Search

Switch

DeepinMind NVR

Display

Network Cable
HDMI/VGA Cable

Video Structuralization

Extracting the face picture, human body and vehicle features from live videos, which is used for the tracking and retrieval of human and vehicles.

▪ Specification

Intelligent Analytics

AI by NVR	Facial recognition, perimeter protection, video structuralization, throwing objects from building
AI by Camera	Facial recognition, perimeter protection, video structuralization, throwing objects from building, motion detection2.0, ANPR, people counting, VCA
Engine	2, each engine can run an intelligent algorithm, engine mode is adjustable

Facial Recognition

Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 10,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)
Face Picture Comparison (Captured from Camera)	32-ch (16-ch for each engine); Comparison speed: 48 pictures per second
Facial Detection and Analytics Performance	16-ch 2 MP (8-ch for each engine), up to 8 MP

Perimeter Protection

By NVR	24-ch 2 MP (12-ch for each engine), up to 8 MP
By Camera	All channels

Video Structuralization

Structured Analysis	12-ch 2 MP (6-ch for each engine), up to 8 MP
Face Picture Library	Up to 32 face picture libraries, up to 100,000 face pictures in list library, up to 10,000 face pictures in stranger library, up to 10,000,000 face pictures in face capture (each picture ≤ 4 MB, total capacity ≤ 20 GB)
Face Picture Comparison	16-ch; Comparison speed: 32 pictures per second

Throwing Objects from Building

By NVR	16-ch 2 MP (8-ch for each engine), up to 8 MP)
By Camera	All channels

ANPR

By Camera	All channels
Vehicle Attributes	Vehicle brand, vehicle color, vehicle type
Plate Attributes	Plate number, license plate color, license plate type

Video and Audio

IP Video Input	32-ch Up to 32 MP resolution *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.
Incoming Bandwidth	320 Mbps
Outgoing Bandwidth	400 Mbps
HDMI 1 Output	8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI 2 Output	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
VGA 1 Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
VGA 2 Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	2-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)

Decoding

Decoding Format	H.265/H.265+/H.264/H.264+
Decoding Capability	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps)
Synchronous Playback	16-ch
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.

Network

Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
API	ONVIF (profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface

RAID

RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10

Auxiliary Interface

Ctrl 12V	Controllable 12 VDC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9.
DC 12V	12 VDC, 1 A power output
SATA	8 SATA interfaces; 3.5-inch HDD
eSATA	1 eSATA interface
Capacity	Up to 14 TB capacity for each HDD
Serial Interface	1 RS-232, 1 RS-485 (full-duplex), 1 keyboard
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm In/Out	16/9

General

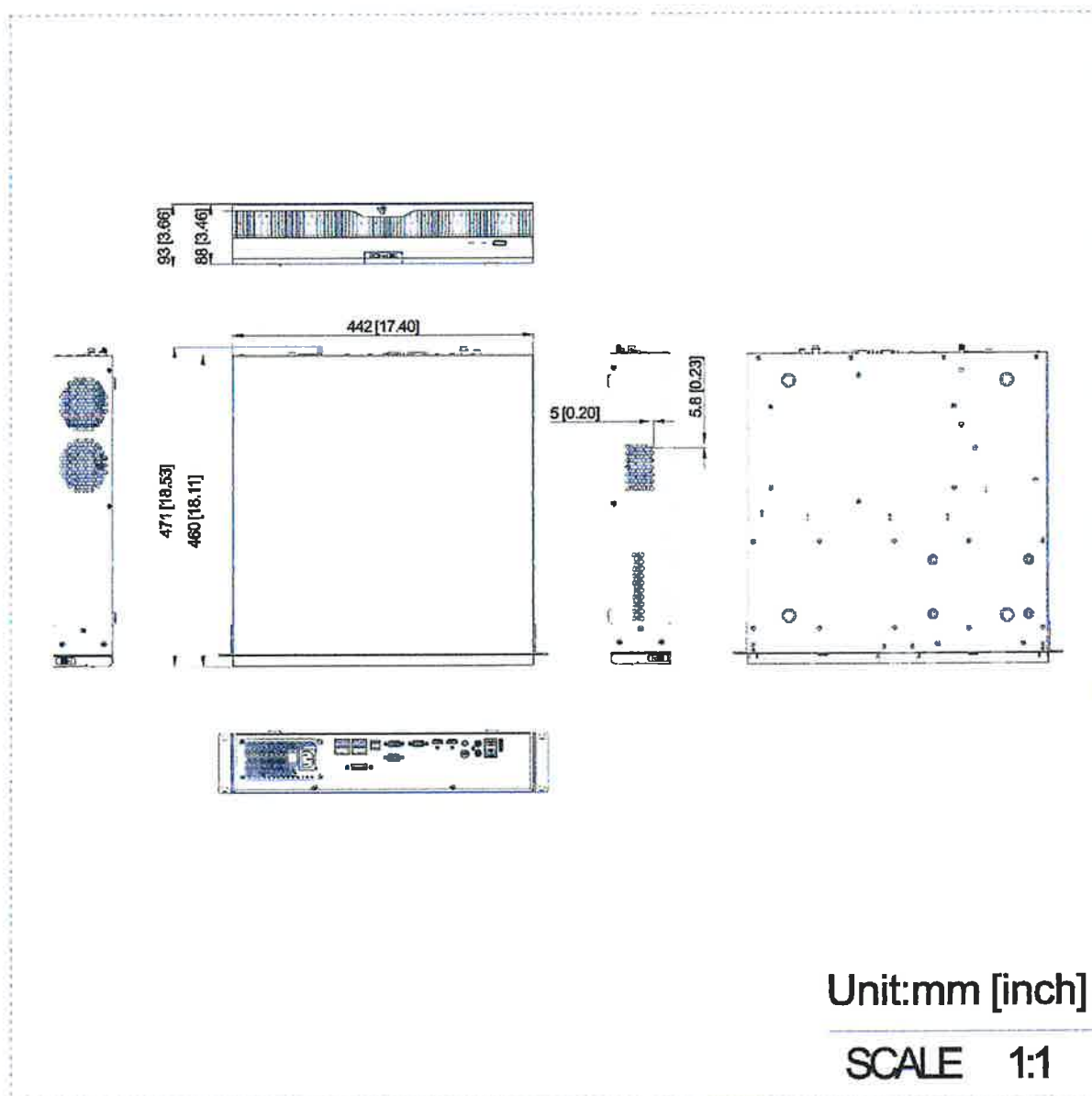|	
GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz , Brazilian Portuguese, Indonesian
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 50 W (without HDD)
Working Temperature	-10 to 55° C (14 to 131° F)
Working Humidity	10 to 90%
Dimension (W × D × H)	442 × 460 × 88 mm (17.4"× 18.1" × 3.5")
Weight	≤ 10 kg (without HDD, 28.7 lb.)

Certification

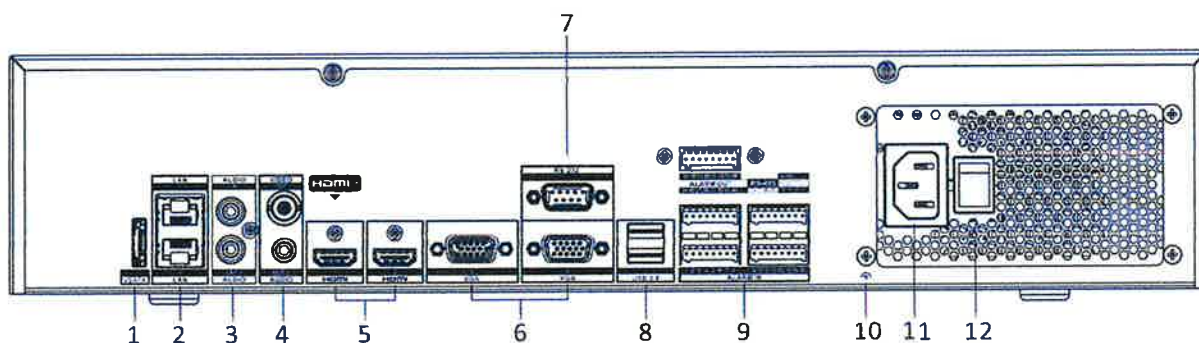|	
Obtained Certification	CE, FCC, IC, CB, KC, UL, Rohs, Reach, WEEE, RCM, UKCA, LOA, BIS
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032:2015+A1:2020, ENIEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:201 9, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020

Dimension

442 [17.40]

471 [18.53]
460 [18.11]

93 [3.66]
88 [3.46]

5 [0.20]
5.8 [0.23]

Unit:mm [inch]

SCALE   1:1

Physical Interface

No.	Description	No.	Description
1	eSATA interface	7	RS-232 Serial interface
2	LAN interfaces	8	USB 3.0 interfaces
3	Audio in and out	9	Alarm in, alarm out, RS-485 serial interface, Ctrl 12V and DC 12V
4	Audio out and video out	10	GND
5	HDMI 1 and HDMI 2 interfaces	11	100 to 240 VAC power supply
6	VGA 1 and VGA 2 interfaces		

Available Model

iDS-9632NXI-M8/X

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iDS-9616NXI-M8/X
DeepinMind M Series NVR

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- Up to 16-ch IP cameras can be connected
- Intelligent analytics based on deep learning algorithm
- Up to 16-ch perimeter protection
- Up to 16-ch facial recognition for video stream, or up to 16-ch facial recognition for face picture
- Up to 12-ch video structuralization

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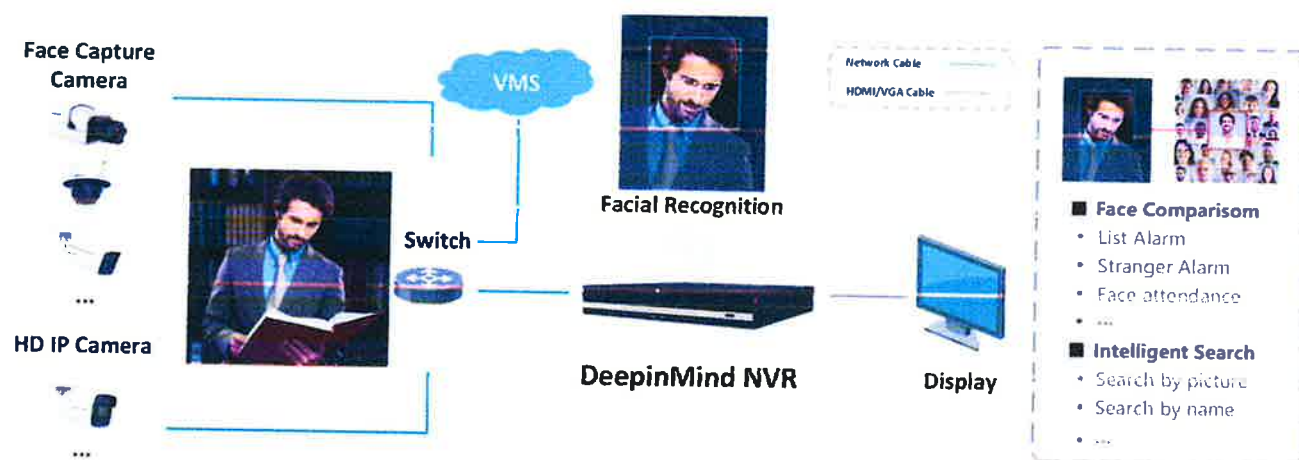
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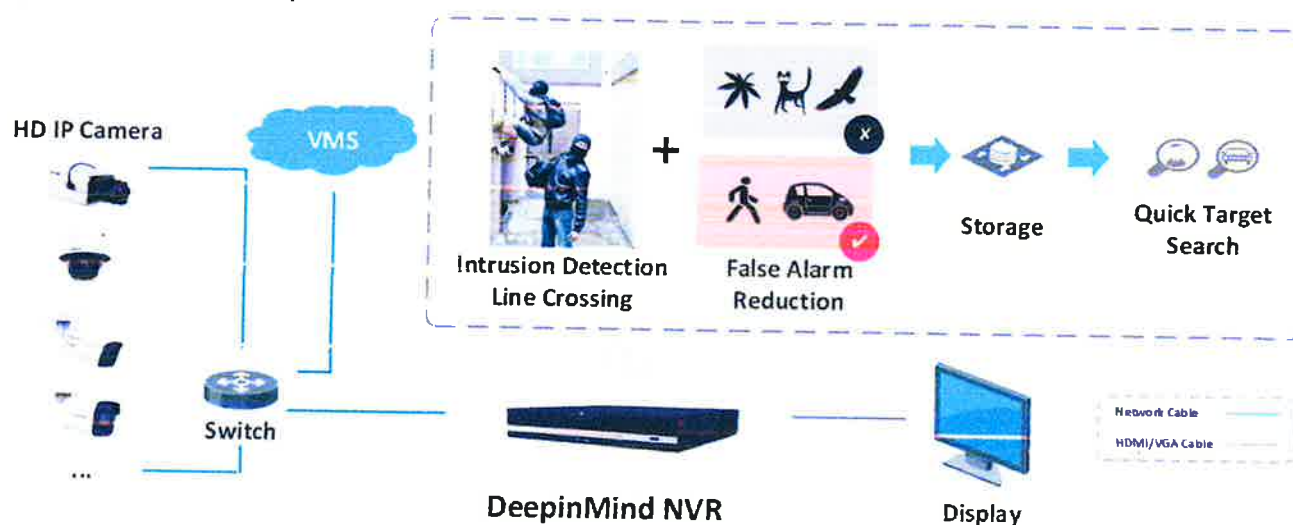- Support web access without plug-in

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HD IP Camera

VMS

Switch

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HDMI/VGA Cable

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- List Alarm
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- Search by picture
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HD IP Camera

VMS

Intrusion Detection Line Crossing

+

False Alarm Reduction

Storage

Quick Target Search

Switch

DeepinMind NVR

Display

Network Cable
HDMI/VGA Cable

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Video Structuralization

Extracting the face picture, human body and vehicle features from live videos, which is used for the tracking and retrieval of human and vehicles.

HD IP Camera

VMS

Gender
Age
Glasses
Tops Color
Baggage
Bicycle

Vehicle Type

Vehicle Color

Switch

DeepinMind NVR

Display

Network Cable

HDMI/VGA Cable

▪ Specification

Intelligent Analytics

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Face Picture Comparison	16-ch; Comparison speed: 32 pictures per second

Throwing Objects from Building

By NVR	16-ch 2 MP (8-ch for each engine), up to 8 MP)
By Camera	All channels

ANPR

By Camera	All channels
Vehicle Attributes	Vehicle brand, vehicle color, vehicle type
Plate Attributes	Plate number, license plate color, license plate type

Video and Audio

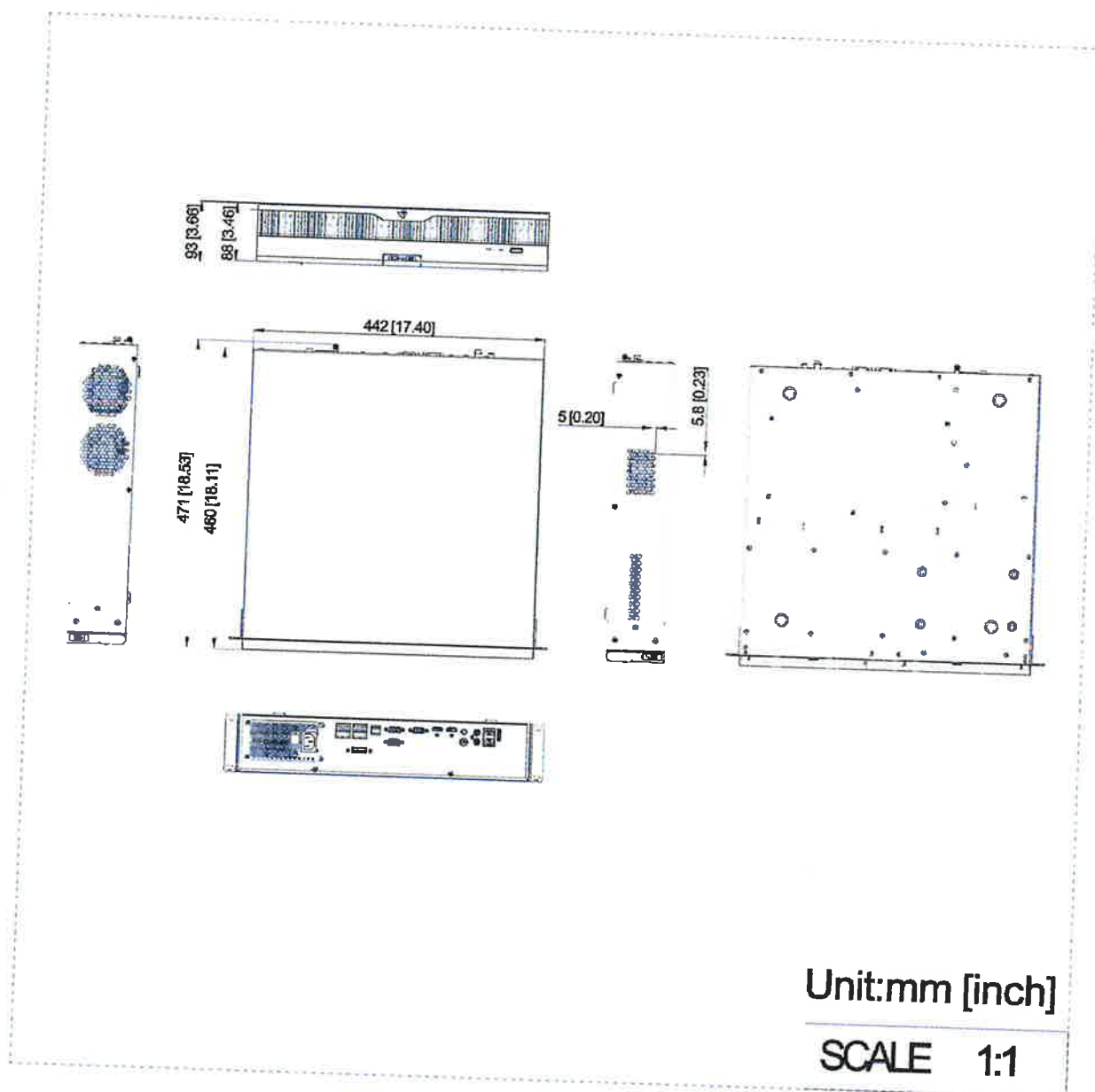|	
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Incoming Bandwidth	320 Mbps
Outgoing Bandwidth	400 Mbps
HDMI 1 Output	8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI 2 Output	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz *: When HDMI 1 output resolution is 8K, the maximum HDMI 2 output resolution is 1080p.
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VGA 2 Output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Video Output Mode	HDMI1/VGA1 simultaneous output, HDMI2/VGA2 simultaneous output
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	2-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)

Decoding

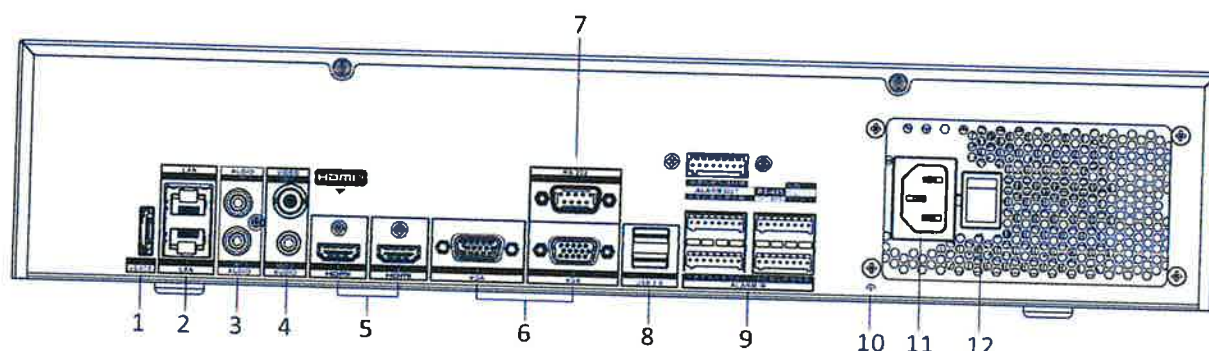|	
Decoding Format	H.265/H.265+/H.264/H.264+
Decoding Capability	2-ch@32 MP (30 fps)/2-ch@24 MP (30 fps)/4-ch@12 MP (20 fps)/8-ch@8 MP (25 fps)/16-ch@4 MP (30 fps)
Synchronous Playback	16-ch
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: After ultra HD resolution mode is enabled, the NVR supports up to 8-ch 32 MP/24 MP IP video inputs.

Network

Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
API	ONVIF (profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface

RAID

RAID Type	RAID0, RAID1, RAID5, RAID6, RAID10

Auxiliary Interface

Ctrl 12V	Controllable 12 VDC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9.
DC 12V	12 VDC, 1 A power output
SATA	8 SATA interfaces; 3.5-inch HDD
eSATA	1 eSATA interface
Capacity	Up to 14 TB capacity for each HDD
Serial Interface	1 RS-232, 1 RS-485 (full-duplex), 1 keyboard
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm In/Out	16/9

General

GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz , Brazilian Portuguese, Indonesian
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 50 W (without HDD)
Working Temperature	-10 to 55° C (14 to 131° F)
Working Humidity	10 to 90%
Dimension (W × D × H)	442 × 460 × 88 mm (17.4"× 18.1" × 3.5")
Weight	≤ 10 kg (without HDD, 28.7 lb.)

Certification

Obtained Certification	CE, FCC, IC, CB, KC, UL, Rohs, Reach, WEEE, RCM, UKCA, LOA, BIS
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032:2015+A1:2020, ENIEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020

Dimension

Unit:mm [inch]

SCALE 1:1

Physical Interface

No.	Description	No.	Description
1	eSATA interface	7	RS-232 Serial interface
2	LAN interfaces	8	USB 3.0 interfaces
3	Audio in and out	9	Alarm in, alarm out, RS-485 serial interface, Ctrl 12V and DC 12V
4	Audio out and video out	10	GND
5	HDMI 1 and HDMI 2 interfaces	11	100 to 240 VAC power supply
6	VGA 1 and VGA 2 interfaces		

Available Model

iDS-9616NXI-M8/X

HIKVISION

DS-2CD2146G2-I(SU)
4 MP AcuSense Powered-by-DarkFighter Fixed Dome Network Camera

AcuSense

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Built-in microphone for real-time auto security(-SU)
- Water and dust resistant (IP67) and vandal-resistant (IK10)

www.hikvision.com

▪ Specification

Camera

Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB

Lens

Focal Length & FOV	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 123° 4 mm, horizontal FOV 83°, vertical FOV 45°, diagonal FOV 98° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 62°
Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional
Aperture	F1.4
Lens Mount	M12
Iris Type	Fixed

DORI

DORI	2.8 mm: D: 60.0 m, O: 23.8 m, R: 12.0 m, I: 6.0 m 4 mm: D: 80.0 m, O: 31.7 m, R: 16.0 m, I: 8.0 m 6 mm: D: 120.0 m, O: 47.6 m, R: 24.0 m, I: 12.0 m

Illuminator

IR Range	Up to 30 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Supplement Light Type	IR

Video

Max. Resolution	2688 × 1520
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports

Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream

Audio

Environment Noise Filtering	-S: Yes
Audio Sampling Rate	-S: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	-S: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	-S: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)

Network

Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP, WebSocket, WebSockets
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+ Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+

Image

SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

Interface

Alarm	-S: 1 input, 1 output (max. 12 VDC, 30 mA)
Audio	-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Built-in Microphone	-U: Yes
On-Board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 512 GB
Reset Key	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port

Event

Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Scene change detection

Deep Learning Function

Face Capture	Yes
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection

General

Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Class 3
Power Consumption and Current	12 VDC: 0.4 A, max. 5 W PoE (802.3af, 36 V-57 V), 0.20 A to 0.15 A, max. 6.5 W
Power Interface	Ø5.5 mm coaxial power plug
Material	Metal upper cover and base
Dimension	Ø121.4 mm × 92.2 mm (Ø4.8" × 3.6")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Weight	Approx. 580 g (1.3 lb.)
With Package Weight	Approx. 820 g (1.8 lb.)
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email, audible warning
Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter
Software Reset	Yes
Firmware Version	V5.5.112

Approval

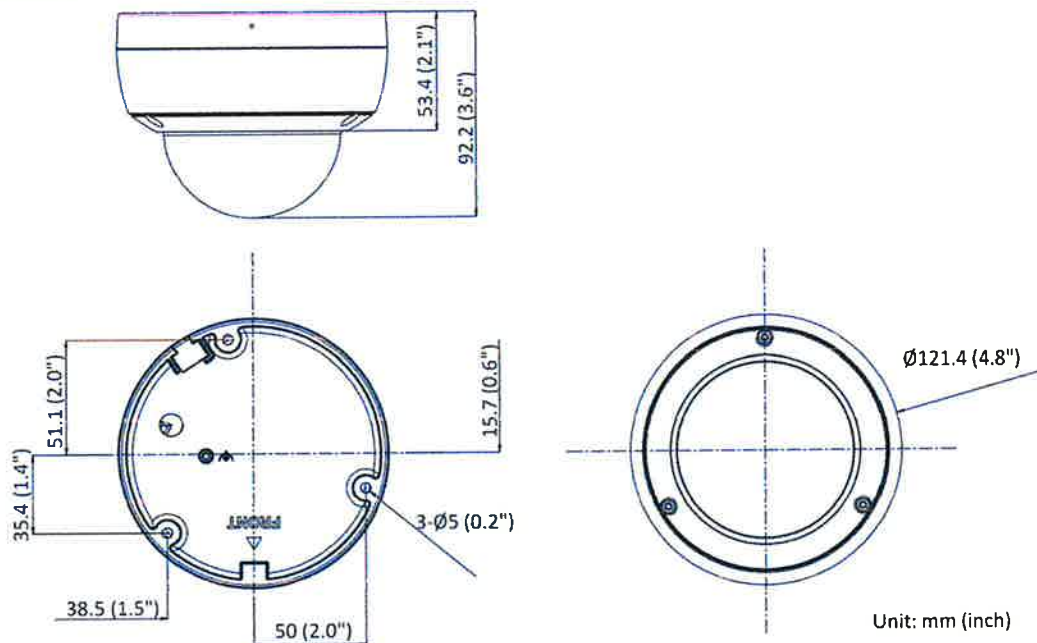|	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)

▪ Available Model
DS-2CD2146G2-IS (2.8/4/6 mm)
DS-2CD2146G2-ISU (2.8/4/6 mm)
DS-2CD2146G2-I (2.8/4/6 mm)

▪ Dimension

53.4 (2.1")
92.2 (3.6")
51.1 (2.0")
35.4 (1.4")
15.7 (0.6")
38.5 (1.5")
50 (2.0")
3-Ø5 (0.2")
FRONT
Ø121.4 (4.8")
Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1276ZJ-SUS	DS-1272ZJ-120	DS-1275ZJ-SUS	DS-1271ZJ-120	DS-1280ZJ-DM46
Corner Mount	Wall Mount	Vertical Pole Mount	Pendant Mount	Junction Box

DS-1272ZJ-120B	DS-1253ZJ-M
Wall Mount	Water-proof

Distributed by

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HIKVISION

DS-2CD2046G2-I(U)
4 MP AcuSense Powered-by-DarkFighter Fixed Bullet Network Camera

AcuSense

WDR | H.265+ | IR | IP67

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Built-in microphone for real-time auto security(-U)
- Water and dust resistant (IP67)

▪ Specification

Camera

Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB

Lens

Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 123°
	4 mm, horizontal FOV 83°, vertical FOV 45°, diagonal FOV 98°
	6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 62°
Aperture	F1.4
Lens Mount	M12
Iris Type	Fixed

DORI

DORI	2.8 mm: D: 60.0 m, O: 23.8 m, R: 12.0 m, I: 6.0 m
	4 mm: D: 80.0 m, O: 31.7 m, R: 16.0 m, I: 8.0 m
	6 mm: D: 120.0 m, O: 47.6 m, R: 24.0 m, I: 12.0

Illuminator

IR Range	Up to 40 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Supplement Light Type	IR

Video

Max. Resolution	2688 × 1520
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports

Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream

Audio

Environment Noise Filtering	-U: Yes
Audio Sampling Rate	-U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	-U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	-U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)

Network

Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP, WebSocket, WebSockets
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+ Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+

Image

SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

Interface

Built-in Microphone	-U: Yes
On-Board Storage	Built-in micro SD/SDHC/SDXC slot, up to 512 GB
Reset Key	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port

Event

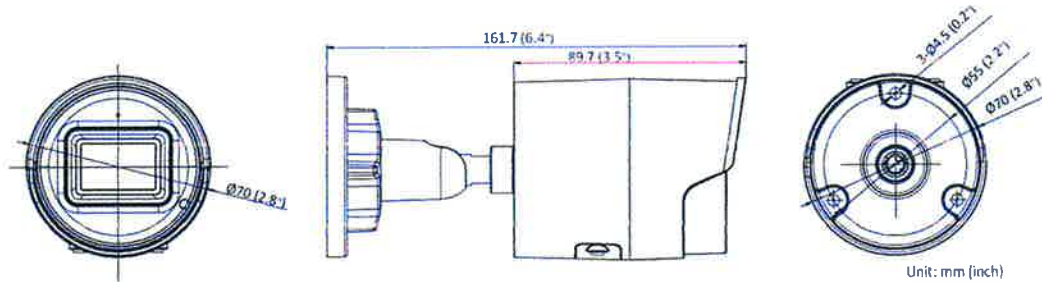|	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Scene change detection

Deep Learning Function

Face Capture	Yes

Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection

General

Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Class 3
Power Consumption and Current	12 VDC, 0.5 A, max. 6.0 W PoE (802.3af, 36 V to 57 V), 0.2 A to 0.13 A, max. 7.0 W
Power Interface	Ø5.5 mm coaxial power plug
Material	ADC12
Dimension	Ø70 mm × 161.7 mm (Ø2.8" × 6.4")
Package Dimension	216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")
Weight	Approx. 485 g (1.1 lb.)
With Package Weight	Approx. 724 g (1.6 lb.)
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email
Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter
Software Reset	Yes
Firmware Version	V5.5.112

Approval

EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 + A1: 2014); RCM (AS/NZS CISPR 32: 2015); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1: 2005 + Am 1: 2009 + Am 2: 2013); CE-LVD (EN 60950-1: 2005 + Am 1: 2009 + Am 2: 2013); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013)

▪ Available Model
DS-2CD2046G2-IU (2.8/4/6 mm)
DS-2CD2046G2-I (2.8/4/6 mm)

▪ Dimension

161.7 (6.4")
89.7 (3.5")
3-Ø4.5 (0.2")
Ø55 (2.2")
Ø70 (2.8")
Ø70 (2.8")

Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1280ZJ-XS

Junction Box

iDS-2CD7186G2-IZ(H)S(Y)
8 MP DeepinView Moto Varifocal Dome Camera

DeepinView series

Hikvision has been dedicated to develop products with security since established.

Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection.

In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- High quality imaging with 8 MP resolution
- Excellent low-light performance via DarkFighter 2.0 technology
- Capture vehicles and humans of different speed clearly via ShotN technology
- Clear imaging against strong back light due to 140 dB AWDR technology
- Efficient H.265+ compression technology to save bandwidth and storage
- 5 streams to meet a wide variety of applications
- Water and dust resistant (IP67), vandal proof (IK10) and corrosion resistant (NEMA 4X, optional)
- High frame rate, up to 8MP@60fps and 2MP@120fps
- Built-in dual-mic and speaker for real-time audio security
- Built-in G-sensor for vibration detection
- Built-in power meter for historical power statistics

▪ Function

Face Capture

With embedded deep learning based algorithms, the camera is able to give the best shot of a target face through detecting, capturing, grading and selecting. The camera uses face exposure function to dynamically adjust face area exposure of captures and ensures high face picture quality.

Perimeter Protection

With embedded deep learning based target detection and classification algorithms, the camera carries out the duty of perimeter protection, monitoring the actions of line crossing, intrusion, region entrance, and region exiting. The algorithms greatly filter out the mistaken alarm caused by the interference of leafs, lights, animal, flag, etc.

Multi-Target-Type Detection

With the embedded deep learning algorithms, the camera detects and captures the face, human body, vehicle in the specified region.

Queue Management

With embedded deep learning based algorithms, the camera detects queuing-up people number and waiting time of each person. It can generate reports to compare the efficiency of different queuing-ups and display the changing status of one queue, and supports raw data export for further analysis.

Regional People Counting

With the embedded deep learning algorithms, the camera supports people density detection and will upload detection data through scheduled uploading, number of people change uploading and congestion level uploading. It also supports number of people exception detection and waiting time exception detection.

On/Off Duty Detection

With the embedded deep learning algorithms, the camera supports absence detection and on/off duty detection. It can detect the on/off duty status and people number changes in a predefined area.

Heat Map

The camera can generate a graphic description of visits (by calculating amount of people or amount of dwell time) in a configured area.

Multi-Dimension People Counting

With the embedded deep learning algorithms, the camera integrates multiple intelligences. It counts persons and compares them with the built-in face picture library to remove duplicates. It counts persons and reports an alarm simultaneously to achieve both the entrance control and people counting.

Hard Hat Detection

With the embedded deep learning algorithms, the camera detects the persons in the specified region. It detects whether the person is wearing a hard hat, and reports an alarm if not.

• Specification

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON),B/W: 0.0001 Lux @ (F1.2, AGC ON),B/W: 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter,Blue glass module (less ghost phenomenon)
Angle Adjustment	Pan: 0° to 355°,tilt: 0° to 75°,rotate: 0° to 355°

Lens

Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional
Focal Length & FOV	2.8 to 12 mm: horizontal FOV 112.3° to 41.2°, vertical FOV 58.1° to 23.1°, diagonal FOV 137.4° to 47.3° 8 to 32 mm: horizontal FOV 41.8° to 15°, vertical FOV 22.9° to 8.5°, diagonal FOV 48.7° to 17.1°
Focus	Auto,Semi-auto,Manual
Iris Type	P-iris
Aperture	2.8 to 12 mm: F1.38 to F2.53, 8 to 32 mm: F1.7 to F1.73

DORI

DORI	2.8 to 12 mm: D (Detect): 220.0 m, O (Observe): 87.3 m, R (Recognize): 44.0 m, I (Identify): 22.0 m 8 to 32 mm: D (Detect): 580.0 m, O (Observe): 230..2 m, R (Recognize): 116.0 m, I (Identify): 58.0 m The DORI values are calculated using pixel densities for different use cases as recommended by the EN 62676-4 standard.

Illuminator

Supplement Light Type	IR
Supplement Light Range	2.8 to 12 mm: Monitoring: 40 m; 8 to 32 mm: Monitoring: 60 m
Smart Supplement Light	Yes
IR Wavelength	850 nm

AI Open Platform

Model Specification	Up to 4 models, Model type: detection model, classification model, mixed model (detection model and classification model)

Video

Main Stream	Monitoring mode: 50 Hz: up to 50 fps (3840 × 2160, 3072 × 1728, 2688 × 1520, 1280 × 720), up to 100 fps (1920 × 1080) 60 Hz: up to 60 fps (3840 × 2160, 3072 × 1728, 2688 × 1520, 1280 × 720), up to 120 fps (1920 × 1080) *High frame rate is supported under monitoring mode only. smart mode: 50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1280 × 720, 704 × 480, 640 × 480)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Fifth Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG, Fifth stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions for each stream
Target Cropping	Yes
e-PTZ	Support Patrol and Auto Tracking settings

Audio

Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes

Network

Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP,UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
Simultaneous Live View	Up to 20 channels
API	ISAPI,SDK,ISUP,OTAP,ONVIF (Profile S, Profile G, Profile T, Profile M)
User/Host	Up to 32 users 3 user levels: administrator, operator, and user

Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2, TLS 1.3, TPM 2.0 (FIPS 140-2 level 2), AES128/256
Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.

Image

Image Parameters Switch	Yes
Image Settings	Rotate mode,saturation,brightness,contrast,sharpness,white balance,AGC,adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger
Wide Dynamic Range (WDR)	140 dB
Image Enhancement	BLC,HLC,3D DNR,Distortion Correction,Defog
SNR	≥ 52 dB
Privacy Mask	8 programmable polygon privacy masks
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Image Stabilization	EIS

Interface

Video Output	1 Vp-p Composite Output (75 Ω/CVBS) (Only for debugging)
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TB
Built-in Microphone	Yes, 2 built-in microphones
Built-in Speaker	Max. power consumption: 1.5 W, max. sound pressure level: 98 dB, speaker range: 10 m
Audio	1 input (line in), 3.5 mm connector, three-contact, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, three-contact, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound
Alarm	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Power Output	12 VDC, max. 100 mA

Event

Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,video quality diagnosis,exception (network disconnected, IP address conflict, illegal login, abnormal restart, HDD full, HDD error),vibration detection
Smart Event	scene change detection,audio exception detection,defocus detection

Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture,audible warning
Deep Learning Function	
Multi-target-type Detection	Supports simultaneous detection and capture of human body, face, and vehicle, Gets 7 face features, Gets 13 human body features, Gets 2 vehicle features, Supports counting the number of line crossing targets by type, including human body, non-motor vehicle, motor vehicle, Supports dynamic mosaic mask
Face Capture	Detects up to 120 faces simultaneously, captures up to 40 face pictures per frame simultaneously and uploads up to 10 face pictures per second, Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°, Uploads face with background and closed-up face pictures, Supports best shot and quick shot for capture mode, Supports dynamic mosaic mask, Gets 7 face features
Face Comparison	Up to 10 face libraries. 30,000 faces for each library. 150,000 faces in total, Supports face library encryption
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) Support combined event alarm triggering
People Counting	Supports Multi-Dimension People Counting, Supports counting, displaying and exporting the people flow data of entering, exiting and passing by (The data is stored in the flash.), Supports real-time uploading and uploading by statistic cycle, Supports generating daily, weekly, monthly or annually reports, Supports dynamic deduplication based on face picture comparison, and can filter out the target with the same custom face pictures, same attributes, or filter out repeated invalid targets within the set time interval, Supports face feature deduplication, Supports people flow data replenishment Supports up to 8 detection regions, and independent arming schedule and linkage method
Queue Management	Supports 2 detection modes: regional people queuing-up, waiting time detection Generates reports to compare the efficiency of different queuing-ups and display the changing status of one queue Supports raw data export for further analysis Supports real-time data uploading and scheduled data uploading Regional people queuing-up: supports 4 alarm trigger conditions, including greater than threshold, less than threshold, equal to threshold, not equal to threshold Waiting time detection: supports 1 alarm trigger condition, including greater than threshold
Heat Map	A graphic description of visits (by calculating amount of people or amount of dwell time) in a configured area., Two report types are available, space heat map and time heat map line chart.

Hard Hat Detection	Detects up to 30 human targets simultaneously
	Supports up to 4 shield regions
Metadata	Intrusion detection,line crossing detection,region entrance detection,region exiting detection,face capture,multi-target-type detection
	Supports up to 8 detection regions, and independent arming schedule and linkage method
	Supports 3 detection modes: people density detection, number of people exception detection, waiting time exception detection
	Supports parameter settings: alarm times per exception, alarm interval, first alarm delay
	Supports searching real-time number of people
Regional People Counting	People density detection: supports scheduled uploading, number of people change uploading, congestion level uploading
	Number of people exception detection: supports 6 alarm trigger conditions, including greater than threshold A, less than threshold A, equal to threshold A, not equal to threshold A, greater than threshold A and less than threshold B, less than threshold A or greater than threshold B (threshold A should be less than threshold B)
	Waiting time exception detection: supports 3 alarm trigger conditions, including greater than threshold A, less than threshold A, greater than threshold A and less than threshold B (threshold A should be less than threshold B)
	Supports up to 8 detection regions, and independent arming schedule and linkage method
On/Off Duty Detection	Supports 2 detection modes: absence detection, on/off duty detection
	Supports parameter settings: person on duty, absence duration

General

Power	12 VDC ± 20%, 1.25 A, max. 14.75 W,three-core terminal block,reverse polarity protection,
	24 VAC ± 20%, 1.05 A, max. 14.1 W,
	PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.37 A to 0.27 A, max. 15.7 W
Material	Base: metal, cover: metal
Dimension	$\emptyset$144.3 mm × 114.1 mm ($\emptyset$5.7" × 4.5")
Package Dimension	244 mm × 174 mm × 173 mm (9.6" × 6.9" × 6.8")
Weight	Approx. 1100 g (2.43 lb.)
With Package Weight	Approx. 1482 g (3.27 lb.)
Storage Conditions	-40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	With -H: -40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing),
	Without -H: -30 °C to 65 °C (-22 °F to 149 °F). Humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat,one-key reset,mirror,password protection
Cable Length	0.25 m (0.8 ft.)
Heater	-H: Yes
Device Management	Supports adding alarm box (DS-FM2466) in the LAN to expand 6 additional input and 6 output alarm interfaces

Approval

EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
Safety	CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005, LOA: IEC/EN 60950-1
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002
Anti-Corrosion Protection	-Y: NEMA 4X (NEMA 250-2018)
Automotive and Railway	EN50121-4
Other	PVC FREE

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

-Y model: This model has MODERATE PROTECTION.
Without -Y model: This model has NO SPECIFIC PROTECTION.

| Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Available Model

iDS-2CD7186G2-IZS(2.8-12mm)
iDS-2CD7186G2-IZS(8-32mm)
iDS-2CD7186G2-IZHSY(2.8-12mm)
iDS-2CD7186G2-IZHSY(8-32mm)

▪ Dimension

114.1

46

83.5

Ø123.4
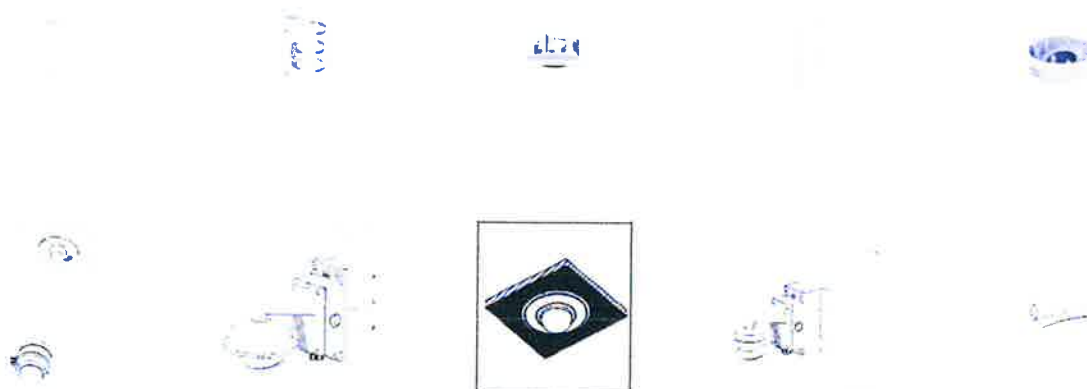
Ø144.3
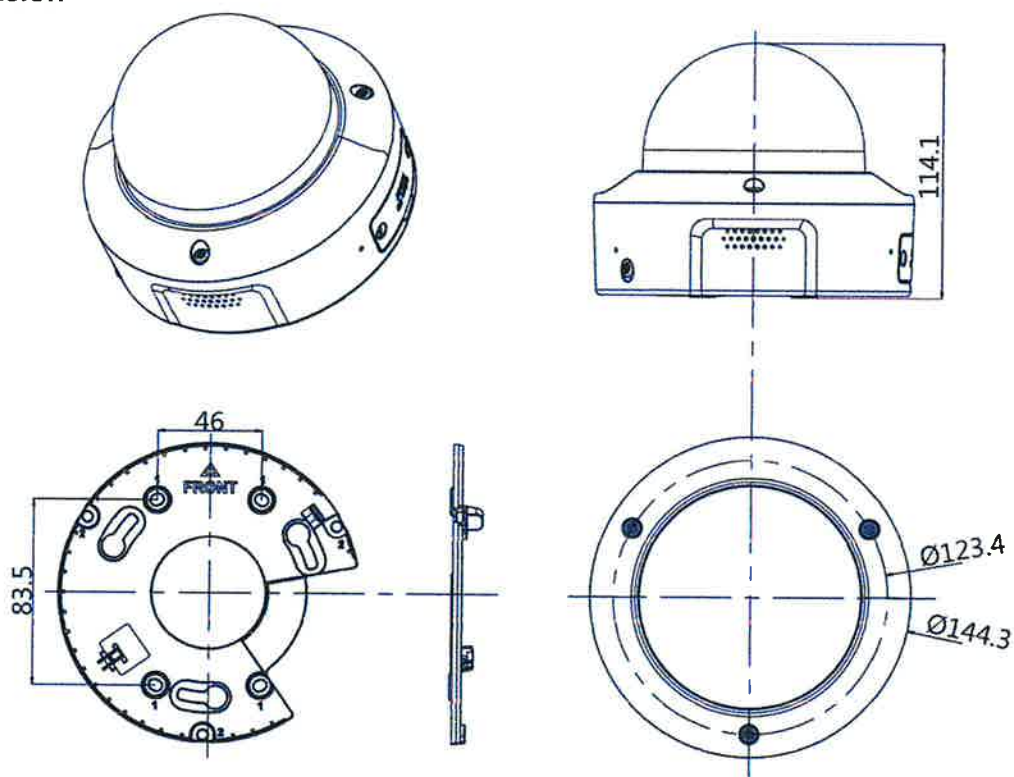
Unit: mm

▪ Accessory

▪ Optional

DS-1271ZJ-140-DM 45 Pendant Mount	DS-1475ZJ-SUS Vertical pole mount	DS-1227ZJ-DM32 In-ceiling mount	DS-1476ZJ-SUS Corner mount	DS-1281ZJ-DM23 Inclined ceiling mount

DS-1475ZJ-Y	DS-1476ZJ-Y	DS-1273ZJ-160-AK S	DS-2280ZJ-WA140	DS-2200ZJ-WA-140
Vertical pole mount	Corner mount	Wall mount	Junction box	Wall mount

DS-2200ZJ-WAJ-14 0	DS-2210ZJ-WA-140	DS-4220ZJ-WC
Wall mount	Pendant Mount	In-ceiling mount

See Far, Go Further

HIKVISION

6

DS-2CD6365G1-IVS
6 MP DeepinView IR Network Fisheye Camera

DeepinViewseries

DS-2CD6365G1-IVS is a fisheye network camera capable of providing a 360-degree panoramic image of its scene.
The progressive scan CMOS sensor provides high-resolution images of up to 2560 × 2560.
Up to 20 live view display modes, designed for 3 mount types, meet various user preferences.
Three independently controlled IR lights offer a range of 15 m and provide good vision in low or even zero-light environment.

- Heatmap: based on deep learning algorithms, the camera counts people and presents an intuitive map

- Multi dewarping modes: the image can be dewarped to normal image for viewing intuitively

- Built-in mic and speaker: the camera supports two-way audio for real-time audio security monitoring and communication

- Built-in IR light: an IR range of 15 meters provides good visibility in low or even zero-light environments

- High resolution 6 MP: capturing clear images even when dewarped into 4-image PTZ mode

- Each image is clear and detailed

- Water and dust resistant (IP67) and vandal resistant (IK10)

▪ Specification

Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 2560
Min. Illumination	Color: 0.01 Lux @ (F2.25, AGC ON),B/W: 0.005 Lux @ (F2.25, AGC ON),B/W: 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter

Lens

Lens Type	Fixed focal lens, 1.16 mm
Focal Length & FOV	1.16 mm, horizontal FOV 180°, vertical FOV 180°
Iris Type	Fixed
Aperture	F2.25
Depth of Field	0.2 m to ∞

DORI

DORI	D: 23.2 m O: 9.2 m R: 4.6 m I: 2.3 m

Illuminator

Supplement Light Type	IR
Supplement Light Range	Up to 15 m
Supplement Light Number	3
Smart Supplement Light	Yes
IR Wavelength	850 nm

HEOP

Open Resources	Memory: 60 MB, Smart RAM: 800 MB, eMMC: 2 GB
Computing Power	2 TOPS
Open Capability	HEOP 2.0 OpendevSDK
Deep Learning Structure	Caffe,TensorFlow,PyTorch
Programming Language	C,C++

Video

Main Stream	50 Hz: 25 fps/60 Hz: 30 fps: Fisheye View: 2560 × 2560, 2048 × 2048, 1280 × 1280 180 Panorama View: 2048 × 1536, 1920 × 1440 180 Dual Channel Panorama View: 2048 × 768, 1920 × 720 Panorama View: 2048 × 1536, 1920 × 1440 4PTZ View: camera 01/camera 02/camera 03/camera 04: 1024 × 768 Fisheye + 3PTZ View: camera 01: 2048 × 2048, 1024 × 1024 camera 02/camera 03/camera 04: 1024 × 768 4PTZ Fusion View: 2048 × 1536, 1600 × 1200
Sub-Stream	50 Hz: 25 fps/60 Hz: 30 fps: Fisheye View: 720 × 720, 480 × 480 180 Panorama View: 640 × 480, 320 × 240 180 Dual Channel Panorama View: 640 × 480, 320 × 240 Panorama View: 640 × 360, 320 × 240 4PTZ View: camera 01/camera 02/camera 03/camera 04: 640 × 480, 320 × 240 Fisheye + 3PTZ View: camera 01: 720 × 720 camera 02/camera 03/camera 04: 640 × 480, 320 × 240
Video Compression	Main stream: H.265+/H.265/H.264+/ H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions for each stream

Fisheye Display

Mount Type	Support wall/table/ceiling mounting
Decoding Mode	Support hardware decoding and software decoding

Display Mode	20 display modes in total, Software decoding: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 2PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8PTZ, hemisphere, AR hemisphere, cylinder, Hardware decoding: fisheye view, 180 panorama view, 180 dual channel panorama, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion

Audio

Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes

Network

Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ISUP, ARP, WebSocket, WebSockets, SIP
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP, Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200,iVMS-4500,iVMS-5200,Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+

Image

Image Parameters Switch	Yes
Image Settings	saturation,brightness,contrast,sharpness,white balance,AGC,adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC,HLC,3D DNR,Distortion Correction,Defog
Privacy Mask	8 programmable polygon privacy masks
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.

Interface

Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB

Built-in Microphone	Yes, 4 built-in microphones
Built-in Speaker	Yes, 1 built-in speaker
Audio	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	1 Reset Key

Event

Basic Event	Motion detection,video tampering alarm,alarm input and output,exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection,audio exception detection,defocus detection, unattended baggage detection,object removal detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture

Deep Learning Function

People Counting	Counts people entering, exiting and passing by separately (The data is stored in the flash.) Supports real-time uploading and uploading by statistic cycle Sends email reports on daily, weekly, monthly or annually basis Supports up to 3 detection regions, and independent arming schedule and linkage method
Queue Management	Supports up to 8 detection regions, and independent arming schedule and linkage method Supports 2 detection modes: regional people queuing-up, waiting time detection Generates reports to compare the efficiency of different queuing-ups and display the changing status of one queue Supports raw data export for further analysis Supports real-time data uploading and scheduled data uploading Regional people queuing-up: supports 4 alarm trigger conditions, including greater than threshold, less than threshold, equal to threshold, not equal to threshold Waiting time detection: supports 1 alarm trigger condition, including greater than threshold
Heat Map	A graphic description of visits (by calculating amount of people or amount of dwell time) in a configured area., Two report types are available, space heat map and time heat map line chart.
Intersection Analysis	Detects and analyze flow in an intersection-like scene, and generate reports Support one intersection of up to 10 ways

General

Power	12 VDC ± 20%, 1 A, max. 11.5 W,two-core terminal block, PoE: IEEE 802.3af, Class 3, max. 12.5 W
Material	Metal
Dimension	Ø140.3 mm × 59.4 mm (Ø5.5" × 2.3")
Package Dimension	260 mm × 230 mm × 135 mm (10.2" × 9.1" × 5.3")

Weight	Approx. 715 g (1.58 lb.)
With Package Weight	Approx. 1206 g (2.66 lb.)
Storage Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat,flash log,password reset via email,password protection,one-key reset,anti-banding
Heater	Yes
Cable Length	0.31 m (1.02 ft.)
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 50121-4: 2016+A1:2019, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.

No specific protection

Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.
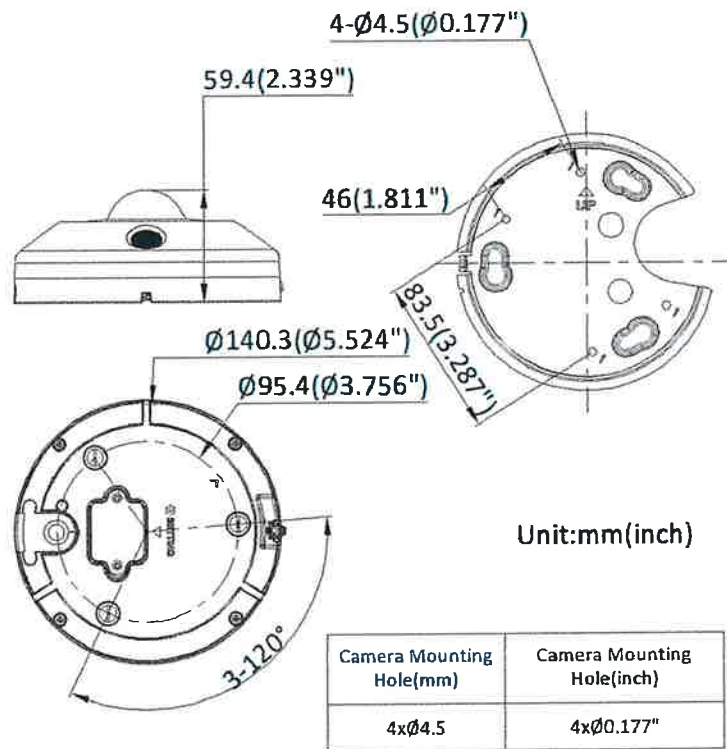
▪ Physical Interface

No.	Interface Description
1	Network Interface
2	Power Interface
3	Alarm Interface, RS-485
4	Audio Output Interface
5	Audio Input Interface

Unit:mm(inch)
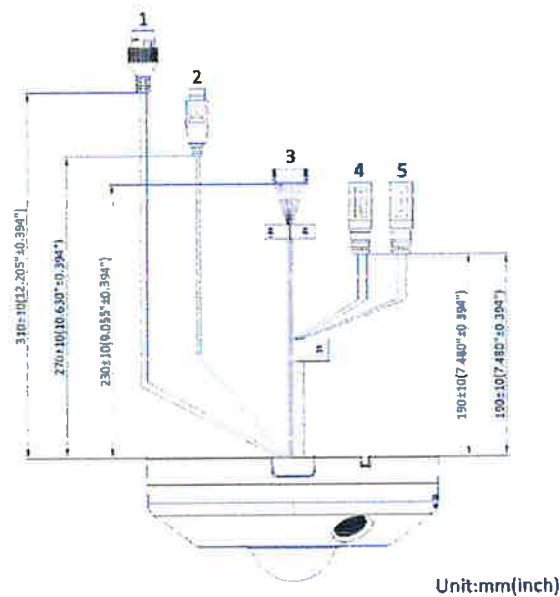
▪ Available Model

DS-2CD6365G1-IVS(1.16mm)

▪Dimension

4-Ø4.5(Ø0.177")

59.4(2.339")

46(1.811")

83.5(3.287")

Ø140.3(Ø5.524")

Ø95.4(Ø3.756")

3-120°

Unit:mm(inch)

Camera Mounting Hole(mm)	Camera Mounting Hole(inch)
4xØ4.5	4xØ0.177"

▪ Accessory

▪Optional

DS-1273ZJ-140	DS-1273ZJ-140B	DS-1271ZJ-140	DS-1275ZJ-SUS	DS-1276ZJ-SUS
Wall mount	Wall mount	Pendant Mount	Vertical pole mount	Corner mount

DS-2280ZJ-WA140
Junction box

It is recommended to use DS-1276ZJ-SUS and DS-1275ZJ-SUS with DS-1273ZJ-140 or DS-1273ZJ-140B.

See Far, Go Further

HIKVISION

7

DS-3E1520HP-SI-16P2T2F
Smart Gigabit PoE Pro-Series

Smart managed switches are developed by Hikvision, featuring easy management and maintenance. You can easily deploy, monitor and expand your security system anytime and anywhere with our software platforms. You can view the network topology, monitor the health of the network and receive device alarms in real time, which greatly reduces the cost of network operation and maintenance.

- 16 x 10/100/1000 PoE Ports, 2 × 10/100/1000 Mbps RJ45, 2 x 10/100/1000 Mbps SFP

- Total PoE Power Budget 230 W

- Support 802.1Q VLAN

- Support 802.3bt Hi-PoE, Max. 90W for one port

- Support STP/RSTP Loop prevention, storm control

- Support cable detection to locate failure

- Support SNMP, QoS, DHCP snooping

- 6 kV Surge Protection

▪ Specification

General

Shell	Metal material
Net Weight	2.735 kg (6.03 lb)
Gross Weight	3.31 kg (7.30 lb)
Dimensions (W × H × D)	440 mm × 44 mm × 220.8 mm (17.32" × 1.73" × 8.69")
Operating Temperature	0 °C to 45 °C (0 °F to 113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100~240 V 50/60 Hz 4 A
Installation Mode	Desk-Mounted,Rack (equipped with mounting ears)
Max. Power Consumption	250 W
Power Consumption in Idle	20 W
Surge Protection	6 kV

Network Parameters

Ports	16 × Gigabit PoE port,2 × Gigabit RJ45 port,2 × Gigabit fiber optical port
MAC Address Table	8 K
Switching Capacity	Whole-Device Performance: 56 Gbps Port Performance: 40 Gbps
Packet Forwarding Rate	Whole-Device Performance: 29.76 Mpps Port Performance: 41.66 Mpps
Internal Cache	4.1 Mbits

PoE Power Supply

PoE Standard	Ports 1 to 4: IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt Ports 5 to 16: IEEE 802.3af, IEEE 802.3at
PoE Power Pin	Ports 1 to 4: 8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-) Ports 5 to 16: End-span: 1/2(-), 3/6(+)
PoE Port	Hi-PoE: Ports 1 to 4 PoE: Ports 5 to 16
Max. Port Power	Ports 1 to 4: 90 W Ports 5 to 16: 30 W
PoE Power Budget	230 W

Software Function

Long Range	Ports 1 to 16: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 20: port isolation mode to improve network security Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
PoE Watchdog	Ports 1 to 16: auto detect and restart the cameras that do not respond.
Link Aggregation	Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection. Support static link aggregation. Support 8 aggregation groups.

Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Support 802.1D STP. Suppport 802.1w RSTP.
QoS	QoS is used to allocate bandwidth to different services so as to provide end-to-end service quality assurance. Support port-based priority configuration. Support SP, WRR priority schedule mode.
VLAN	VLAN is used for network scale planning and network health improvement. Support 802.1Q. Configurable VLAN ID from 1-4094. Support Trunk, Access port mode. Support Max. 4094 VLAN.
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Display the port rate. 2. Display the port bandwidth utilization rate. 3. Display the PoE power usage. 4. Display topology information. 5. Display the alarm status. 6. Restart ports and devices. 7. Enable port long-rage mode. 8. Remotely upgrade the device.
System Maintenance	Support device management via web. Support DHCP Client. Enabled by default for dynamic assignment of management IP addresses. Support Super IP, which is a fixed IP address (10.180.190.200) for direct access. Support management via Hik-Central Pro. Support remote management via Hik-Partner Pro. Support cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected. Supports 802.1ab LLDP for peer device discovery. Support SNMP v1/v2c for third-party management platform access. Support port mirroring for fault locating.
Port Rate-Limiting	Port rate-limiting is used for port bandwidth adjustment to prevent network congestion.
Storm Control	Storm control is used to prevent switch ports from being blocked by broadcast or multicast storms in the LAN, which may affect network communication. Support port rate limiting based on broadcast, multicast, and unknown unicast packets.
DHCP Snooping	DHCP Snooping can prevent unauthorized connections to DHCP servers from disrupting the network and affecting normal network communication, and only allow DHCP packets from trusted ports to pass through. Disabled by default.
ACL	Port security strategy. Support up to 64 ACL entries. Support up to 128 configuration rules under all ACL entries.

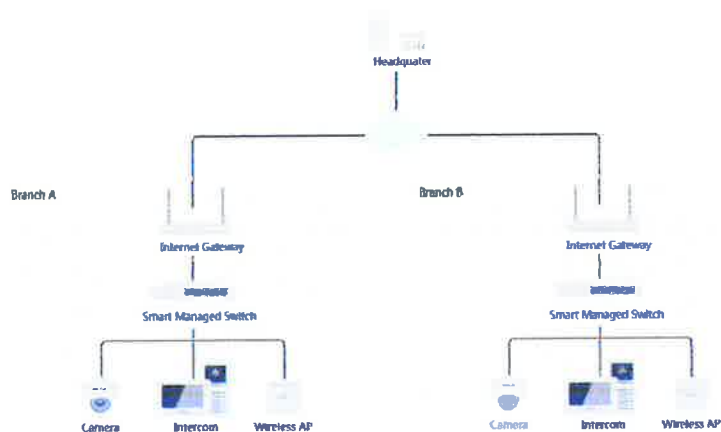|	
IPSG	IPSG can control the security of port access device. Support port, MAC, IP binding. Support 256 security entries.
Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020),IC (ICES-003: Issue 7:2020),RCM (AS/NZS CISPR 32: 2015)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition)), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU),WEEE (2012/19/EU),Reach (Regulation (EC) No.1907/2006)

▪ Available Model
DS-3E1520HP-SI-16P2T2F

▪ Typical Application

• Physical Interface

Front Panel

① ② ③ ④ ⑤   ⑥   ⑦   ⑧

⑨ ⑩

Rear Panel

⑪   ⑫

No.	Indicator/ Port	Description
①	PoE-MAX Indicator	• Solid on/Flashing: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. • Unlit: The switch does not supply power to a powered device (PD), or supplies power to a PD normally and its output power does not reach the upper limit. Note: The PoE-MAX indicator will be unlit in 5 seconds after the output power of the switch returns to normal.
②	Gigabit RJ45 Port Indicator	• Solid on: The gigabit RJ45 port is connected. • Flashing: The gigabit RJ45 port is transmitting data. • Unlit: The gigabit RJ45 port is disconnected or connection is abnormal.
③	Reset Button	Press and hold the reset button for about 5 seconds to restore all the configurations of the switch to default settings.
④	LINK/ACT Indicator	• Solid on: The port is connected. • Flashing: The port is transmitting data. • Unlit: The port is disconnected or connection is abnormal.
⑤	PoE Indicator	• Solid on: The switch provides power supply to a PD normally. • Unlit: The switch is disconnected to a PD, or provides power supply to a PD abnormally.
⑥	Gigabit PoE RJ45 Port	Used for connection to a PD via a network cable. Note: Ports 1 to 4 of 1520HP series switches are Hi-PoE RJ45 ports, which can be connected to high-power devices.
⑦	Gigabit RJ45 Port	Used for connection to another device via a network cable.
⑧	Gigabit SFP Fiber Optical Port	Used for connection to another device via an optical fiber when plugged into with an optical module.
⑨	PWR Indicator	• Solid on: The switch is powered on normally. • Unlit: No power supply is connected or power supply is abnormal.
⑩	Gigabit SFP Fiber Optical Port Indicator	• Solid on: The gigabit SFP fiber optical port is connected. • Flashing: The gigabit SFP fiber optical port is transmitting data. • Unlit: The gigabit SFP fiber optical port is disconnected or connection is abnormal.
⑪	Grounding Terminal	Used for connecting to the grounding cable to protect the switch from lightning.
⑫	Power Supply	Use the attached power cord to connect the switch to a socket.

■ Dimension

440 [17.32]

44 [1.73]

220.8 [8.69]

3xM3

2.03 [0.08]

Unit: mm [inch]

| SCALE | 1:1 |

See Far, Go Further

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�8

DS-3E1528HP-SI-24P2T2F
Smart Gigabit PoE Pro-Series

Smart managed switches are developed by Hikvision, featuring easy management and maintenance. You can easily deploy, monitor and expand your security system anytime and anywhere with our software platforms. You can view the network topology, monitor the health of the network and receive device alarms in real time, which greatly reduces the cost of network operation and maintenance.

- 24 x 10/100/1000 Mbps PoE Ports, 2 × 10/100/1000 Mbps RJ45, 2 x 10/100/1000 Mbps SFP

- Total PoE Power Budget 370 W

- Support 802.1Q VLAN

- Support 802.3bt Hi-PoE, Max. 90W for one port

- Support STP/RSTP Loop prevention, storm control

- Support cable detection to locate failure

- Support SNMP, QoS, DHCP snooping

- 6 kV Surge Protection

▪ Specification

General

Shell	Metal material
Net Weight	2.975 kg (6.56 lb)
Gross Weight	3.535 kg (7.79 lb)
Dimensions (W × H × D)	440 mm × 44 mm × 220.8 mm (17.32" × 1.73" × 8.69")
Operating Temperature	0 °C to 45 °C (0 °F to 113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100~240 V 50/60 Hz 6.3 A
Installation Mode	Desk-Mounted,Rack (equipped with mounting ears)
Max. Power Consumption	400 W
Power Consumption in Idle	30 W
Surge Protection	6 kV

Network Parameters

Ports	24 × Gigabit PoE port,2 × Gigabit RJ45 port,2 × Gigabit fiber optical port
MAC Address Table	8 K
Switching Capacity	Whole-Device Performance: 56 Gbps Port Performance: 56 Gbps
Packet Forwarding Rate	Whole-Device Performance: 41.66 Mpps Port Performance: 41.66 Mpps
Internal Cache	4.1 Mbits

PoE Power Supply

PoE Standard	Ports 1 to 4: IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt Ports 5 to 24: IEEE 802.3af, IEEE 802.3at
PoE Power Pin	Ports 1 to 4: 8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-) Ports 5 to 24: End-span: 1/2(-), 3/6(+)
PoE Port	Hi-PoE: Ports 1 to 4 PoE: Ports 5 to 24
Max. Port Power	Ports 1 to 4: 90 W Ports 5 to 24: 30 W
PoE Power Budget	370 W

Software Function

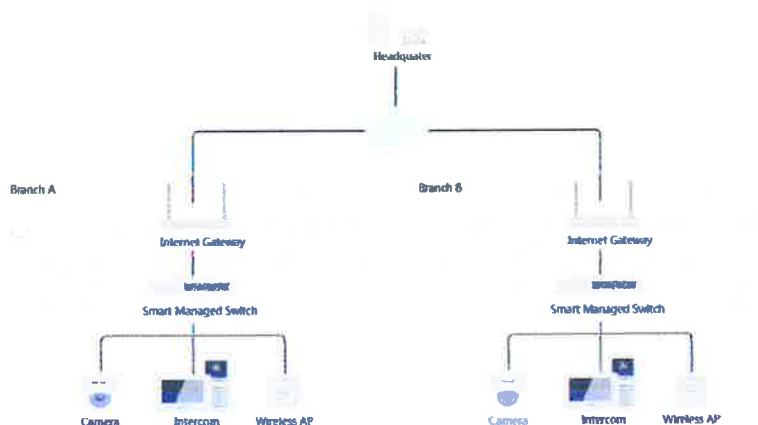|	
Long Range	Ports 1 to 24: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 28: port isolation mode to improve network security Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
PoE Watchdog	Ports 1 to 24: auto detect and restart the cameras that do not respond.
Link Aggregation	Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection. Support static link aggregation. Support 8 aggregation groups.

Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Support 802.1D STP. Suppport 802.1w RSTP.
VLAN	VLAN is used for network scale planning and network health improvement. Support 802.1Q. Configurable VLAN ID from 1-4094. Support Trunk, Access port mode. Support Max. 4094 VLAN.
QoS	QoS is used to allocate bandwidth to different services so as to provide end-to-end service quality assurance. Support port-based priority configuration. Support SP, WRR priority schedule mode.
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Display the port rate. 2. Display the port bandwidth utilization rate. 3. Display the PoE power usage. 4. Display topology information. 5. Display the alarm status. 6. Restart ports and devices. 7. Enable port long-rage mode. 8. Remotely upgrade the device.
System Maintenance	Support device management via web. Support DHCP Client. Enabled by default for dynamic assignment of management IP addresses. Support Super IP, which is a fixed IP address (10.180.190.200) for direct access. Support management via Hik-Central Pro. Support remote management via Hik-Partner Pro. Support cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected. Supports 802.1ab LLDP for peer device discovery. Support SNMP v1/v2c for third-party management platform access. Support port mirroring for fault locating.
Port Rate-Limiting	Port rate-limiting is used for port bandwidth adjustment to prevent network congestion.
Storm Control	Storm control is used to prevent switch ports from being blocked by broadcast or multicast storms in the LAN, which may affect network communication. Support port rate limiting based on broadcast, multicast, and unknown unicast packets.
DHCP Snooping	DHCP Snooping can prevent unauthorized connections to DHCP servers from disrupting the network and affecting normal network communication, and only allow DHCP packets from trusted ports to pass through. Disabled by default.
ACL	Port security strategy. Support up to 64 ACL entries. Support up to 128 configuration rules under all ACL entries.

IPSG	IPSG can control the security of port access device.
	Support port, MAC, IP binding.
	Support 256 security entries.
Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020),IC (ICES-003: Issue 7:2020),RCM (AS/NZS CISPR 32: 2015)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition)), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU),WEEE (2012/19/EU),Reach (Regulation (EC) No.1907/2006)

▪ Available Model

DS-3E1528HP-SI-24P2T2F

▪ Typical Application

▪ Physical Interface

Front Panel
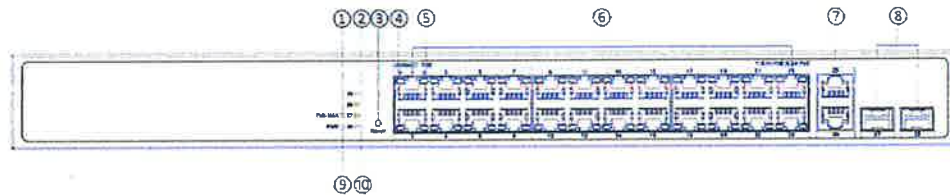
Rear Panel

No.	Indicator/ Port	Description
①	PoE-MAX Indicator	● Solid on/Flashing: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. ● Unlit: The switch does not supply power to a powered device (PD), or supplies power to a PD normally and its output power does not reach the upper limit. Note: The PoE-MAX indicator will be unlit in 5 seconds after the output power of the switch returns to normal.
②	Gigabit RJ45 Port Indicator	● Solid on: The gigabit RJ45 port is connected. ● Flashing: The gigabit RJ45 port is transmitting data. ● Unlit: The gigabit RJ45 port is disconnected or connection is abnormal.
③	Reset Button	Press and hold the reset button for about 5 seconds to restore all the configurations of the switch to default settings.
④	LINK/ACT Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
⑤	PoE Indicator	● Solid on: The switch provides power supply to a PD normally. ● Unlit: The switch is disconnected to a PD, or provides power supply to a PD abnormally.
⑥	Gigabit PoE RJ45 Port	Used for connection to a PD via a network cable. Note: Ports 1 to 4 of 1528HP series switches are Hi-PoE RJ45 ports, which can be connected to high- power devices.
⑦	Gigabit RJ45 Port	Used for connection to another device via a network cable.
⑧	Gigabit SFP Fiber Optical Port	Used for connection to another device via an optical fiber when plugged into with an optical module.
⑨	PWR Indicator	● Solid on: The switch is powered on normally. ● Unlit: No power supply is connected or power supply is abnormal.
⑩	Gigabit SFP Fiber Optical Port Indicator	● Solid on: The gigabit SFP fiber optical port is connected. ● Flashing: The gigabit SFP fiber optical port is transmitting data. ● Unlit: The gigabit SFP fiber optical port is disconnected or connection is abnormal.
⑪	Grounding Terminal	Used for connecting to the grounding cable to protect the switch from lightning.
⑫	Power Supply	Use the attached power cord to connect the switch to a socket.

■ Dimension

440 [17.32]

44 [1.73]

220.8 [8.69]

3xM3

2 [0.08]

Unit: mm [inch]

See Far, Go Further

www.hikvision.com
support@hikvision.com

HIKVISION

HIKVISION

DS-3E1552P-SI
Smart Managed 48-Port Gigabit PoE Switch

Smart managed switches are developed by Hikvision, featuring easy management and maintenance. You can easily deploy, monitor and expand your surveillance system anytime and anywhere with our software platforms. You can view the network topology, monitor the health of the network and receive device alarms in real time, which greatly reduces the cost of network operation and maintenance.

- IEEE 802.3af/at PoE standard

- 48 x Gigabit PoE Ports, 2 × gigabit RJ45, 2 x fiber optical ports

- Total PoE Power Budget 470W

- PoE Watchdog, STP/RSTP, VLAN, SNMP, QoS

- 104 Gbps Switching Capacity

- 16 K MAC Address Entries

Specification

General

Shell	Metal material
Net Weight	4.35 kg (9.59 lb)
Gross Weight	4.5 kg (9.92 lb)
Dimensions (W × H × D)	440.00 mm × 44.00 mm × 323.80 mm (17.32" × 1.73" × 12.71")
Operating Temperature	0 °C to 45 °C (0 °F to 113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100 to 240 V AC, 50/60 Hz, Max. 5 A
Installation Mode	Rack (equipped with mounting ears)
Max. Power Consumption	500 W
Power Consumption in Idle	30 W
Surge Protection	6 kV

Network Parameters

Ports	48 × Gigabit PoE port,2 × Gigabit RJ45 port,2 × Gigabit fiber optical port
MAC Address Table	16 K
Switching Capacity	104 Gbps
Packet Forwarding Rate	77.38 Mpps
Internal Cache	12 Mbits

PoE Power Supply

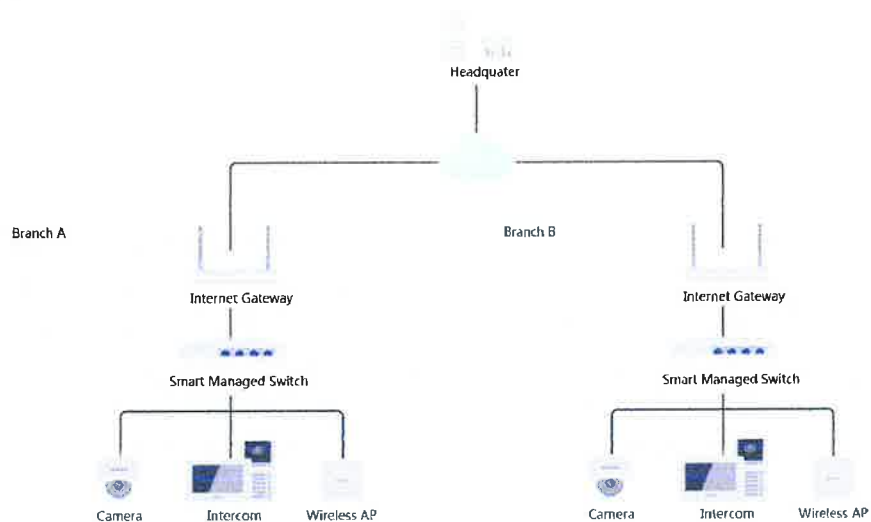|	
PoE Standard	IEEE 802.3af,IEEE 802.3at
PoE Power Pin	8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE Port	PoE: Ports 1 to 48
Max. Port Power	30 W
PoE Power Budget	470 W

Software Function

Long Range	Ports 1 to 48: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 48: port isolation mode to improve network security. Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
PoE Watchdog	Ports 1 to 48: auto detect and restart the cameras that do not respond.
Link Aggregation	Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection. Support static link aggregation. Support 8 aggregation groups.
QoS	QoS is used to allocate bandwidth to different services so as to provide end-to-end service quality assurance. Support port-based priority configuration. Support SP, WRR priority schedule mode.

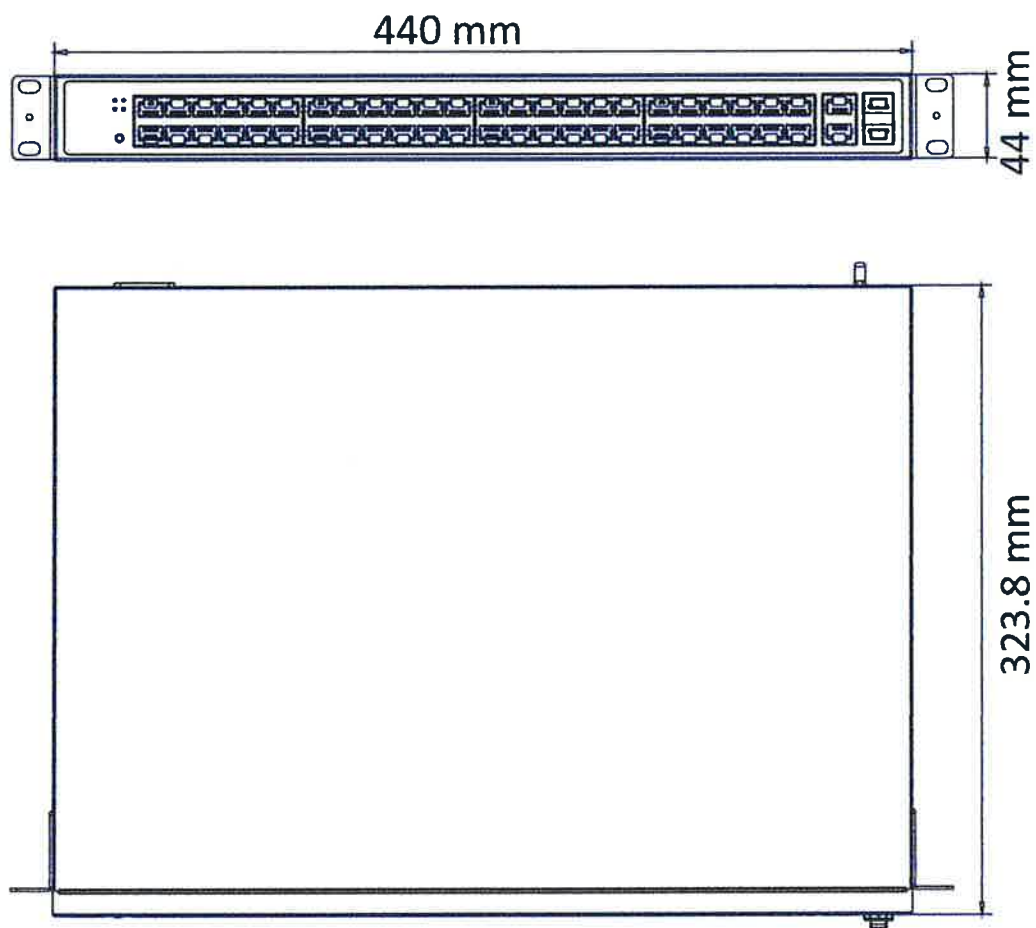|	
Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Support 802.1D STP. Suppport 802.1w RSTP.
VLAN	VLAN is used for network scale planning and network health improvement. Support 802.1Q. Configurable VLAN ID from 1-4094. Support Trunk, Access port mode. Support Max. 4094 VLAN.
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Display the port rate. 2. Display the port bandwidth utilization rate. 3. Display topology information. 4. Display the alarm status. 5. Restart ports and devices. 6. Remotely upgrade the device.
System Maintenance	Support remote upgrade, default parameter restoration, logs viewing, basic network parameter configuration, import and export configuration, and time synchronization.
Port Rate-Limiting	Port rate-limiting is used for port bandwidth adjustment to prevent network congestion.
Storm Control	Storm control is used to prevent switch ports from being blocked by broadcast or multicast storms in the LAN, which may affect network communication. Support port rate limiting based on broadcast, multicast, and unknown unicast packets.
Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (201165EU); WEEE (201219EU); Reach (Regulation (EC) No.19072006)

▪ Available Model

DS-3E1552P-SI

▪ Typical Application

Headquater

Branch A

Branch B

Internet Gateway

Internet Gateway

Smart Managed Switch

Smart Managed Switch

Camera   Intercom   Wireless AP

Camera   Intercom   Wireless AP
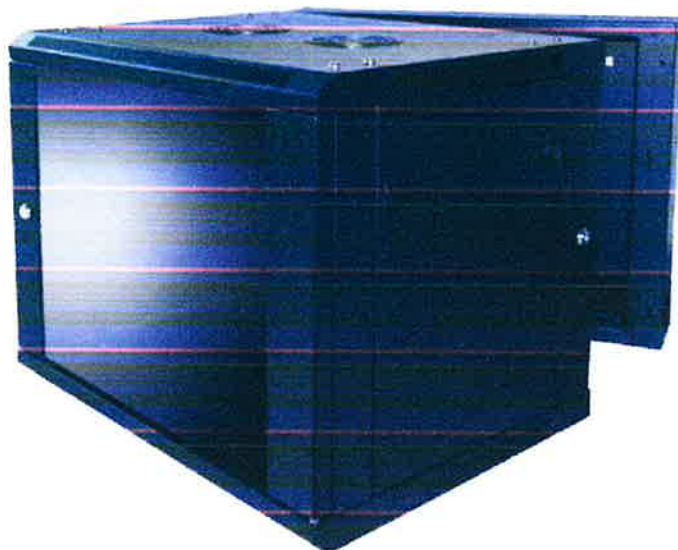
- **Dimension**

440 mm

44 mm

323.8 mm

LINKBASIC

P/N:WCC

CABINET,C style,wall mount.

WCC C ABINET
CABINET & ENCLOSURE

STANDARD

Comply with ANSI/EIA RS-310-D, DIN41491; PART1, IEC297-2, DIN41494; PART7, GB/T3047.2-92.
Compatible with metric, ETSI and 19' international standard.

MATERIALS

Cool rolled steel
Thickness: Vertical rail:1.5mm
Else in 1.2mm
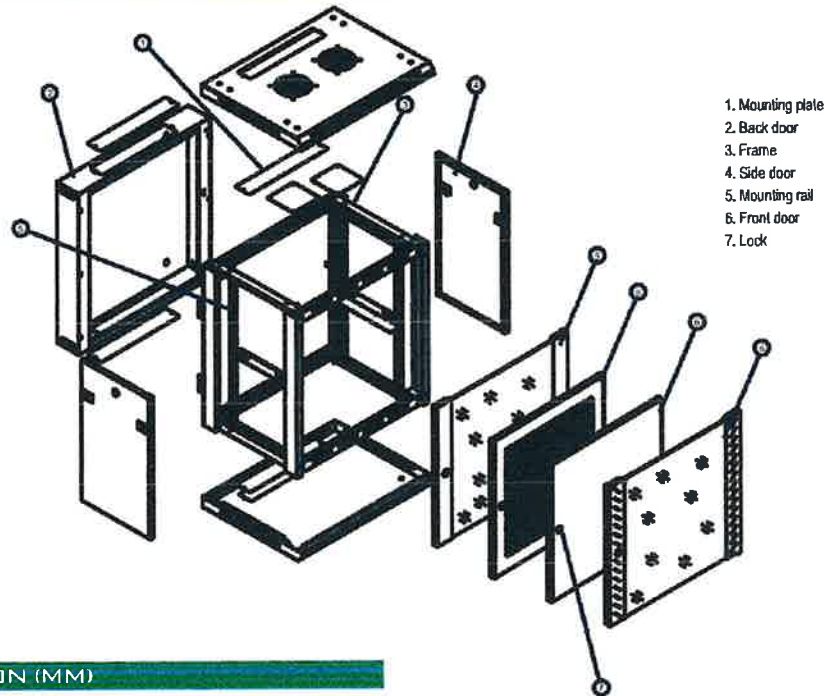Tempered smoky-gray glass with thickness of 5mm.

FEATURES

- Exquisite design with precise dimension and craftsmanship.
- International popular smoky-gray glass front door.
- Loading capacity: 60KG.
- Top and bottom wiring channel could be closed.
- Removable front door and side panel, easily installing and maintaining
- Surface finish: Degreased, acid cleaned, phosphoric, water cleaned, electro-static powder coating, meet ROHS standard.
- Optional color: black/gray
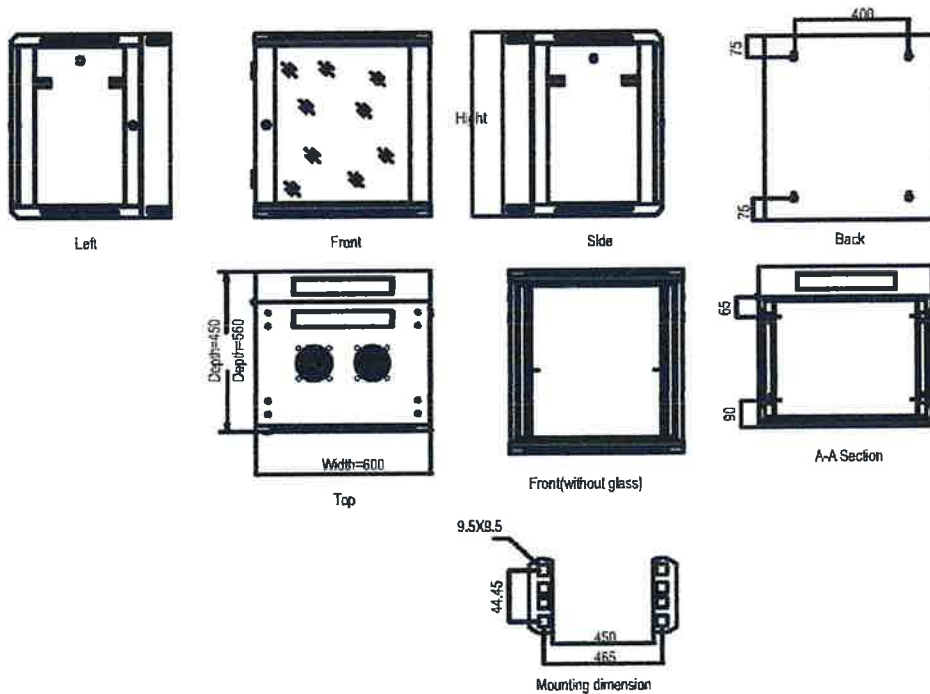- Optional accessories.

APPLICATION

Widely used in network system, educational system, broadcasting system and telecommunication system. Suitable for placing server computer and precision electronic equipments.

LINKBASIC

WCC CABINET   P/N:WCC

STRUCTURAL

1. Mounting plate
2. Back door
3. Frame
4. Side door
5. Mounting rail
6. Front door
7. Lock

DIMENSION (MM)

Left

Front

Side

Back

Hight

Depth=450
Depth=560
Width=600

Top

Front(without glass)

A-A Section

9.5X9.5
44.45
450
465

Mounting dimension

WCC CABINET   P/N:WCC

STANDARD ACCESSORIES

S/N	Specification	Qty	Unit	Material	surface finish	Remark
1	Frame	4	Pcs	1.2mm cold rolled steel	Powder coated	---
2	Front door	1	Pcs	1.2mm cold rolled steel	Powder coated	B type door
3	Side door	2	Pcs	1.2mm cold rolled steel	Powder coated	With lock
4	Back door	1	Pcs	---	Powder coated	---
5	Lock	1	Pcs	1.5mm cold rolled steel	---	---
6	Mounting rail	4	Pcs	1.2mm cold rolled steel	Powder coated	---
7	Mounting plate	1	Pcs	1.2mm cold rolled steel	Powder coated	---
8	Cable inlet cap	2	Pcs	---	Powder coated	---
9	Screws &nuts	10	sets	---	---	---
10	wrench	1	Pcs	---	---	---

ORDER INFORMATION

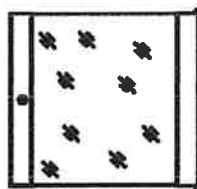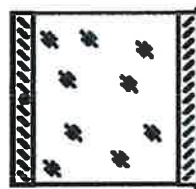| Part No	Capacity/U	Width/mm	Depth/mm	Height/mm	Carton measurement			Volume/CBM
					Width/m	Depth/m	Height/m	
WCC07-600-*☆	7U	600	600	368	0.67	0.62	0.43	0.18
WCC09-600-*☆	9U	600	600	501	0.67	0.62	0.56	0.23
WCC12-655-*☆	12U	600	550	635	0.67	0.62	0.70	0.29
WCC15-655-*☆	15U	600	550	789	0.67	0.62	0.83	0.34
WCC18-655-*☆	18U	600	550	901	0.67	0.62	0.96	0.40

RAMARKS

∗ = Front door

DOORS

A=Steel Casement Door

B=Smoky-grey glass door

C=Smoky-gray glass door with frame punched

D=Perforation steel door with high ventilation level(hexagonal type)

COLOR

☆ = Colors   A= Black(RAL9004)   B=Gray(RAL7044)

WCC CABINET　　**P/N:WCC**　　　　　**S/N:N08**　≠ 11

CABINET,C style,wall mount.

P/N:WCC

WCC C ABINET
CABINET & ENCLOSURE

STANDARD

Comply with ANSI/EIA RS-310-D, DIN41491; PART1, IEC297-2,
DIN41494; PART7, GB/T3047.2-92.
Compatible with metric, ETSI and 19' international standard.

MATERIALS

Cool rolled steel
Thickness: Vertical rail:1.5mm
Else in 1.2mm
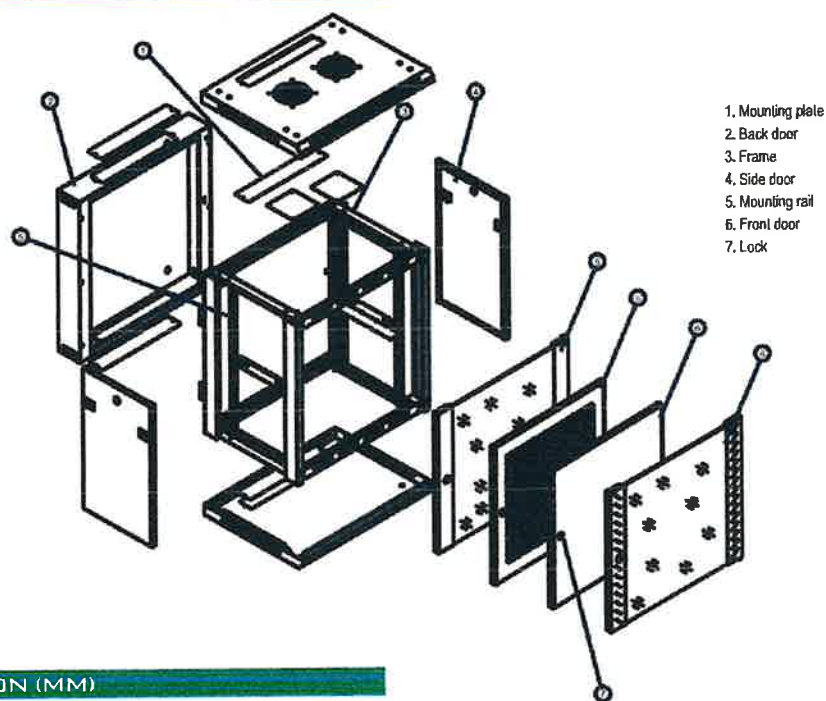Tempered smoky-gray glass with thickness of 5mm.

FEATURES

- Exquisite design with precise dimension and craftsmanship.
- International popular smoky-gray glass front door.
- Loading capacity: 60KG.
- Top and bottom wiring channel could be closed.
- Removable front door and side panel, easily installing and maintaining
- Surface finish: Degreased, acid cleaned, phosphoric, water cleaned, electro-static powder coating, meet ROHS standard.
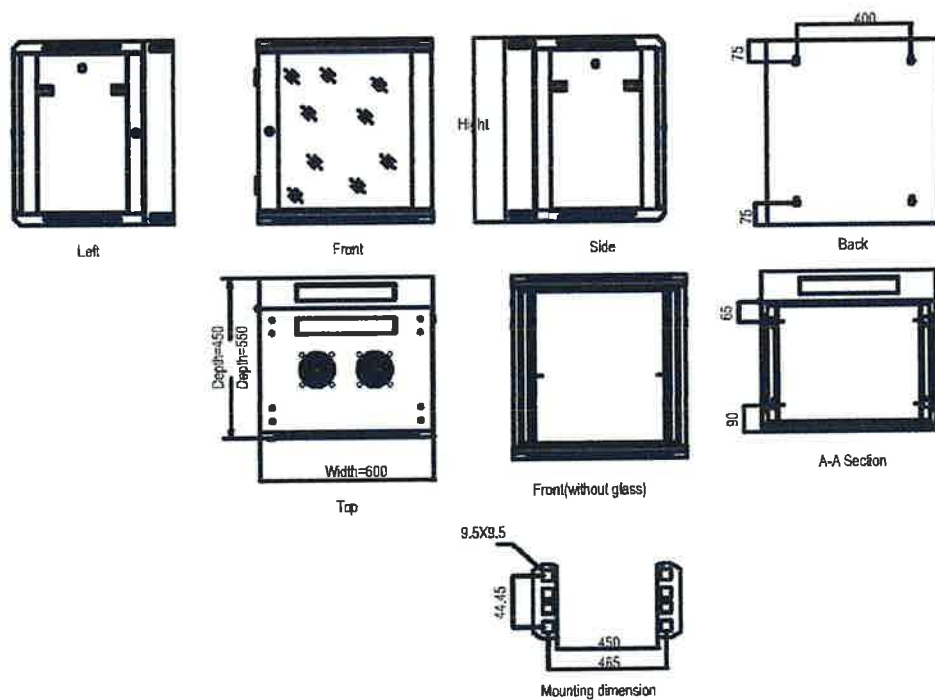- Optional color: black/gray
- Optional accessories.

APPLICATION

Widely used in network system, educational system, broadcasting system and telecommunication system. Suitable for placing server computer and precision electronic equipments.

LINKBASIC

WCC CABINET   P/N:WCC

STRUCTURAL

1. Mounting plate
2. Back door
3. Frame
4. Side door
5. Mounting rail
6. Front door
7. Lock

DIMENSION (MM)

Left

Front

Side

Hight

600
75
75
Back

Depth=450
Depth=550
Width=600
Top

Front(without glass)

65
90
A-A Section

9.5X9.5
44.45
450
465
Mounting dimension

LINKBASIC

WCC CABINET   P/N:WCC

STANDARD ACCESSORIES

S/N	Specification	Qty	Unit	Material	surface finish	Remark
1	Frame	4	Pcs	1.2mm cold rolled steel	Powder coated	---
2	Front door	1	Pcs	1.2mm cold rolled steel	Powder coated	B type door
3	Side door	2	Pcs	1.2mm cold rolled steel	Powder coated	With lock
4	Back door	1	Pcs	---	Powder coated	---
5	Lock	1	Pcs	1.5mm cold rolled steel	---	---
6	Mounting rail	4	Pcs	1.2mm cold rolled steel	Powder coated	---
7	Mounting plate	1	Pcs	1.2mm cold rolled steel	Powder coated	---
8	Cable inlet cap	2	Pcs	---	Powder coated	---
9	Screws &nuts	10	sets	---	---	---
10	wrench	1	Pcs	---	---	---

ORDER INFORMATION

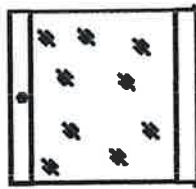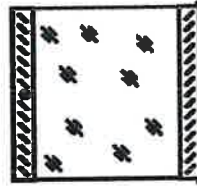| Part No	Capacity/U	Width/mm	Depth/mm	Height/mm	Carton measurement			Volume/CBM
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WCC09-600-*☆	9U	600	600	501	0.67	0.62	0.56	0.23
WCC12-655-*☆	12U	600	550	635	0.67	0.62	0.70	0.29
WCC15-655-*☆	15U	600	550	789	0.67	0.62	0.83	0.34
WCC18-655-*☆	18U	600	550	901	0.67	0.62	0.96	0.40

RAMARKS
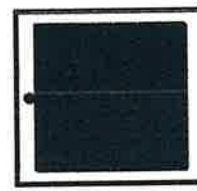
✱ = Front door

DOORS

A=Steel Casement Door

B=Smoky-grey glass door

C=Smoky-gray glass door with frame punched

D=Perforation steel door with high ventilation level(hexagonal type)

COLOR

☆ = Colors   A= Black(RAL9004)   B=Gray(RAL7044)

Ficha técnica del producto

Especificaciones

APC

Back-UPS Pro de APC, 1500 VA,
120 V, AVR, LCD, 8 NEMA 5-15R,
2U en rack convertible

BR1500RM2U

Descripción General

Tiempo de Entrega	Suele haber existencias en inventario

Principal

Main Input Voltage	120 V
Main Output Voltage	120 V
potencia nominal en W	900 W
potencia nominal en VA	1500 VA
tipo de producto o componente	Uninterruptible power supply (UPS) ((*))
Input Connection Type	NEMA 5-15P
output connection type	8 NEMA 5-15R
número de unidad de rack	2U
número de cables	1
tipo de batería	Batería sellada de plomo
gama de producto	Back-UPS Pro

Baterías y autonomía

Tiempo de ejecución	View Runtime Graph
Eficiencia	View Efficiency Graph
Baterías pre-instaladas	1
Ranuras libres para baterías	0
Cantidad de cartuchos de batería de recambio	2
Battery graph comments	Curva adecuada a los datos de autonomía medidos. Todas las mediciones se tomaron con baterías nuevas completamente cargadas, en condiciones ambientales típicas, sin entrada de electricidad, y salida de carga resistiva balanceada (FP = 1,0).
Duración prolongable	0

General

Redundant	No

Físico

color	Negro
altura	85,8 mm
anchura	438 mm

Precio no incluye IVA.
Precio sugerido de venta al público y sujeto a cambio sin previo aviso.
Podrán aplicar Políticas de Descuento de Schneider Electric y/o Distribuidor.

profundidad	267 mm
peso del producto	11 kg
Mounting preference	Lower
tipo de montaje	Con montaje en bastidor
posición de montaje	Horizontal

Entrada

Frecuencia asignada de empleo	50/60 Hz +/- 1 Hz auto-sensing ((*))
barras de separación	90...140 V

Salida

Máxima potencia configurable (vatios)	900 W
frecuencia de salida	50/60 Hz +/- 1 Hz sincronizada a red eléctrica principal
Topología	Línea Interactiva
Tipo de forma de onda	Aproximación acompasada de una onda sinusoidal
Maximum configurable power in VA	1500 VA
Tiempo de transferencia	Típico 4 ms

Conformidad

certificaciones de producto	NOM Certificación TUV C-US ENERGY STAR V2.0 (EE. UU.)
Política de protección del equipo	De por vida: USD 250000

Ambiental

temperatura ambiente de funcionamiento	0...40 °C
Humedad relativa	0...95 % sin condensación
temperatura ambiente de almacenamiento	-15...45 °C
Humedad relativa de almacenamiento	0...95 % sin condensación
nivel acústico	45 dBA

Comunicaciones y manejo

función de alarma	Estatus multifuncional lcd y consola con control
alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm

Proteção contra surtos e filtragem

Clasificación de energía de sobrecarga (Joules)	1080 J
Filtrado	Filtrado constante de ruidos multipolares: 5% de sobretensión pasante de ieee: tiempo de respuesta de limitador: instantáneo

Unidades emabalaje

Tipo de unidad de paquete 1	PCE
Número de unidades en el paquete 1	1

Schneider Electric

Paquete 1 Altura	22 cm
Paquete 1 Ancho	46.8 cm
Paquete 1 Longitud	57.8 cm
Paquete 1 Peso	11.6 kg

Garantía contractual

Periodo de garantía	3 years repair or replace

Environmental Data

Schneider Electric tiene como objetivo alcanzar el estado Cero Neto para el año 2050 mediante asociaciones con la cadena de suministro, materiales de menor impacto y circularidad a través de nuestra campaña en curso "Use Better, Use Longer, Use Again" para extender la vida útil y la reciclabilidad de los productos.

Explicación de los Environmental Data >

Cómo evaluamos la sostenibilidad de los productos >

Ⓗ Huella ambiental

Información medioambiental   Perfil ambiental del producto

Use Better

Materiales y embalaje

Paquete con cartón de reciclaje	No
Embalaje sin plástico	No
Directiva RoHS de la UE	Cumple con las exenciones
Regulación REACh	Declaración de REACh

Eficiencia energética

ENERGY STAR®   ENERGY STAR UPS V2.0 (EE.UU.)

Use Again

Reempaquetar y refabricar

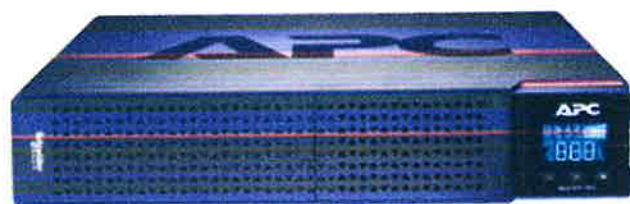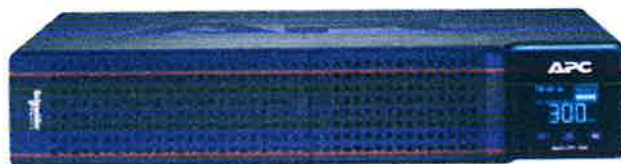|	
Perfil de circularidad	Información de fin de vida útil
Batería extraíble	User replaceable
Devolución	No

Ficha técnica del producto

BR1500RM2U

Image of product / Alternate images

Alternative

CAT 6 UTP STRANDED CABLE   P/ N: CLA04M-UC6   S/N:C04-002
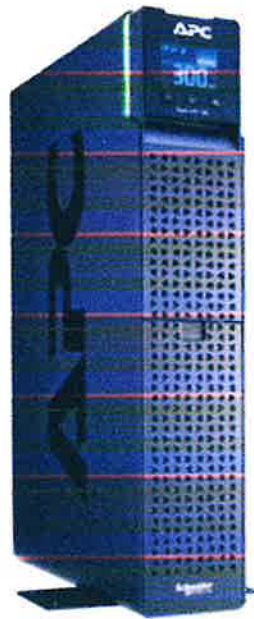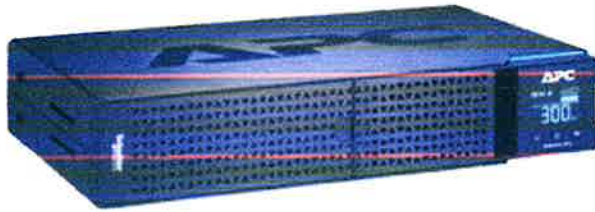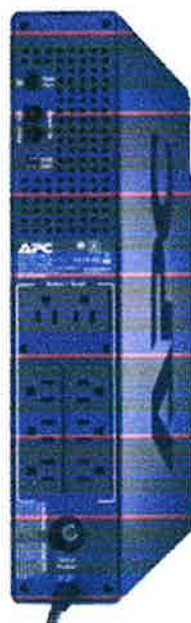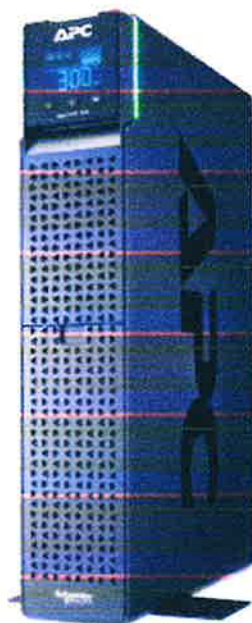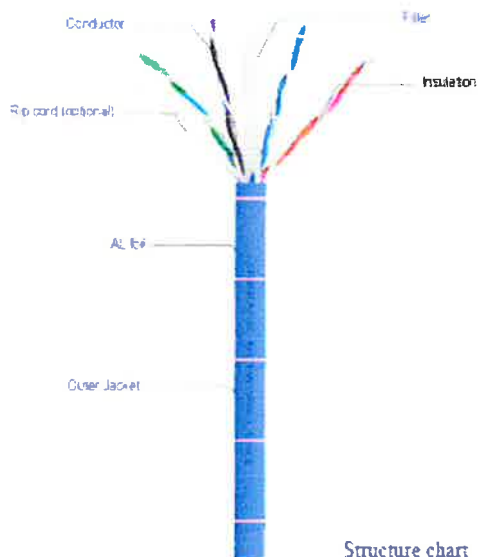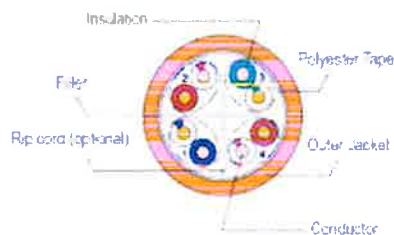
#14

STRANDED CABLE,CAT6,UTP,4pairs, 23AWG,1000feet

Structure chart

Product picture

Cross section

P/N: CLA04M-UC6

(sidebar) CAT 6 UTP SOLID CABLE

DESCRIPTION

- Rated temperature:70
- Reference standard:UL Subject 444, EIA/TIA 568B.2-10
- & ISO/IEC 11801, IEC 61156
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reel,Reel in Box

APPLICATION

- 100 Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

CONSTRUCTION

Structure	Construction	UTP
	Number of Pairs	4 Pair
	AWG	23 AWG
	Conductor Dimension (mm)	7*0.18±0.02mm
	Solid or Stranded;	Solid Bare
	Bare or Tinned	Copper
Insulation	Insulation material	HDPE
	Insulation Dimension (mm)	0.87±0.05mm
	Number Colour	1.White/Blue(Ring) & Blue
	(Ring or Strip marking)	2.White/Orange(Nng) & Oange
		3.White/Gem(Rhg) & Green
		4.White/Brown(Ping) & Btuwn
	Cross Filler	Yes
Shield	IndividualSinleld & Material	No
	Outer Shield & Material	No
	Drain Wire	No
Outer Jacket	Outer Jacket Material	PVC or LSZH Based On Custom er Requ iremen ts
	Outer Jacket Ripcord	
	Overall Nominal Diameter (mm)	5.60±0.30mm

CAT 6 SYSTEM PRODUCTS

CAT 6 UTP STRANDED CABLE   P/N: CLA04M-UC6 S/N:C04-002

ELECTRICAL CHARACTERISTICS

MAX. Matual Capacitance @ kHz	5.6 nF/100M
MAX. Capacitance unbalance (pF/ 100m)	330pF /100M(Per TIA/EIA-568B.2)
Nominal Velocity of Propagation	160pF /100M(Per IEC 61156) 64%
Max. Delay Skew (ns/100m)	45ns/100M
Max. Conductor DC Resistance @ 20 Deg. C	14.5 /100M (23AWG)
Max. DC Resistance unbalance @ 20 Deg. C	5%(per TIA/EIA-568B.2)
Mni. Insulation Resistance (M / k m)	2%(per IEC 61156-5) 5000
Max. Operating Voltage-UL	300V

MECHANICAL CHARACTERISTICS

Operating Temp. Range	-20~70
Max. Recommended	110N
PullingTension	8 x
Min. Bend Radius (Install)	O.D.
Flame Test	CMR

CLA04M-UC6
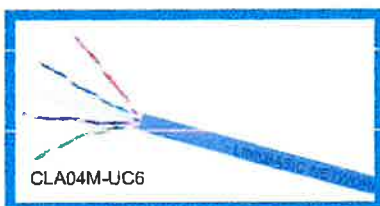
Cat 6 UTP Stranded Cable

RAL 5015

CAT 6 UTP SOLID CABLE

TIA/EIA 568-B.2 ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Input Impedance	ATT (DB/100m)	RL (Db)	NEXT (Db)	PSNEXT (Db)	ELFEXT (Db/100m)	PSELFEXT (Db/100m)	PD (Ns/100m)
0.772	(Ohms)	1.8	-	76.0	74.0	-	-	-
1	100±15	2.0	20.0	74.3	72.3	67.8	64.8	570.0
4	100±15	3.8	23.0	65.3	63.3	55.8	52.8	552.0
8	100±15	5.3	24.5	60.8	58.8	49.7	46.7	546.7
10	100±15	6.0	25.0	59.3	57.3	47.8	44.8	545.4
16	100±15	7.6	25.0	56.2	54.2	43.7	40.7	543.0
20	100±15	8.5	25.0	54.8	52.8	41.8	38.8	542.0
25	100±15	9.5	24.3	53.3	51.3	39.8	36.8	541.2
31.25	100±15	10.7	23.6	51.9	49.9	37.9	34.9	540.4
62.5	100±15	15.4	21.5	47.4	45.4	31.9	28.9	538.6
100	100±15	19.8	20.1	44.3	42.3	27.8	24.8	537.6
200	100±15	29.0	18.0	39.8	37.8	21.8	18.8	536.5
250	100±22	32.8	17.3	38.3	36.3	19.8	16.8	536.3

100±22

ORDER INFORMATION

Part number	Description	AWG	Standard color	Packing Type	Carton	Carton measurement	Carton weight
CLA04-UC6-5015	Cat 6 UTP Stranded Cable	23 AWG	RAL5015	Box	305m(1000ft)	L36.5cm × W 25.5cm × H 37cm	11.10KG