

## DS-7104NI-Q1 Value 7 Series NVR



### ▪ Features and Functions

- H.265+/H.265/H.264+/H.264 video compression
- Up to 40 Mbps incoming bandwidth, and 60 Mbps outgoing bandwidth
- Up to 4-ch network camera inputs
- Up to 4-ch 1080p decoding capability
- HDMI and VGA simultaneous output



### ▪ Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel recording at up to 4 MP resolution

### ▪ Storage and Playback

- 2-ch@4 MP or 4-ch@1080p playback resolution
- 1 SATA interface (up to 6 TB capacity per HDD)

### ▪ Smart Function

- Supports line crossing and intrusion detection
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Automatically search and add network cameras after device is activated

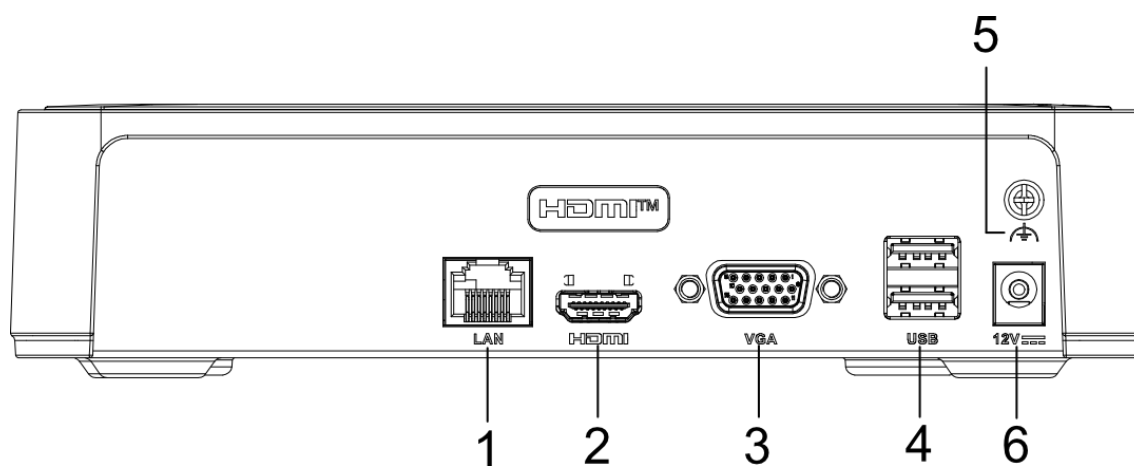
### ▪ Network & Ethernet Access

- 1 self-adaptive 10/100 Mbps Ethernet interface
- Hik-Connect for easy network management

## ▪ Specification

Video and Audio	
IP Video Input	4-ch Up to 6 MP resolution
Incoming Bandwidth	40 Mbps
Outgoing Bandwidth	60 Mbps
HDMI Output	1-ch, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
VGA Output	1-ch, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
Video Output Mode	HDMI/VGA simultaneous output
Decoding	
Decoding Format	H.265+/H.265/ H.264+/H.264
Recording Resolution	6 MP/4 MP/3 MP/1080p/UXGA /720p/VGA/4CIF/DCIF/ 2CIF/CIF/QCIF
Synchronous playback	4-ch
Decoding Capability	4-ch@1080p (30 fps) or 2-ch@4 MP (30 fps) or 1-ch@6 MP (30 fps)
Stream Type	Video, Video & Audio
Network	
Remote Connection	16
Network Protocol	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, UPnP™
Network Interface	1, RJ-45 10/100Mbps self-adaptive Ethernet interface
Auxiliary Interface	
SATA	1 SATA interface
Capacity	Up to 6TB capacity for each disk
Alarm In/Out	N/A
USB Interface	Rear panel: 2 × USB 2.0
General	
Power Supply	12 VDC, 1.5 A
Consumption	≤ 10 W
Working Temperature	-10 to +55° C (+14 to +131° F)
Working Humidity	10% to 90%
Dimension (W × D × H)	200 × 200 × 48 mm (7.9" × 8.1" × 1.9")
Weight	≤ 1 kg (2.2 lb)
Certification	
CE	EN50130-4, EN 61000-3-2, EN 61000-3-3

## ▪ Physical Interface

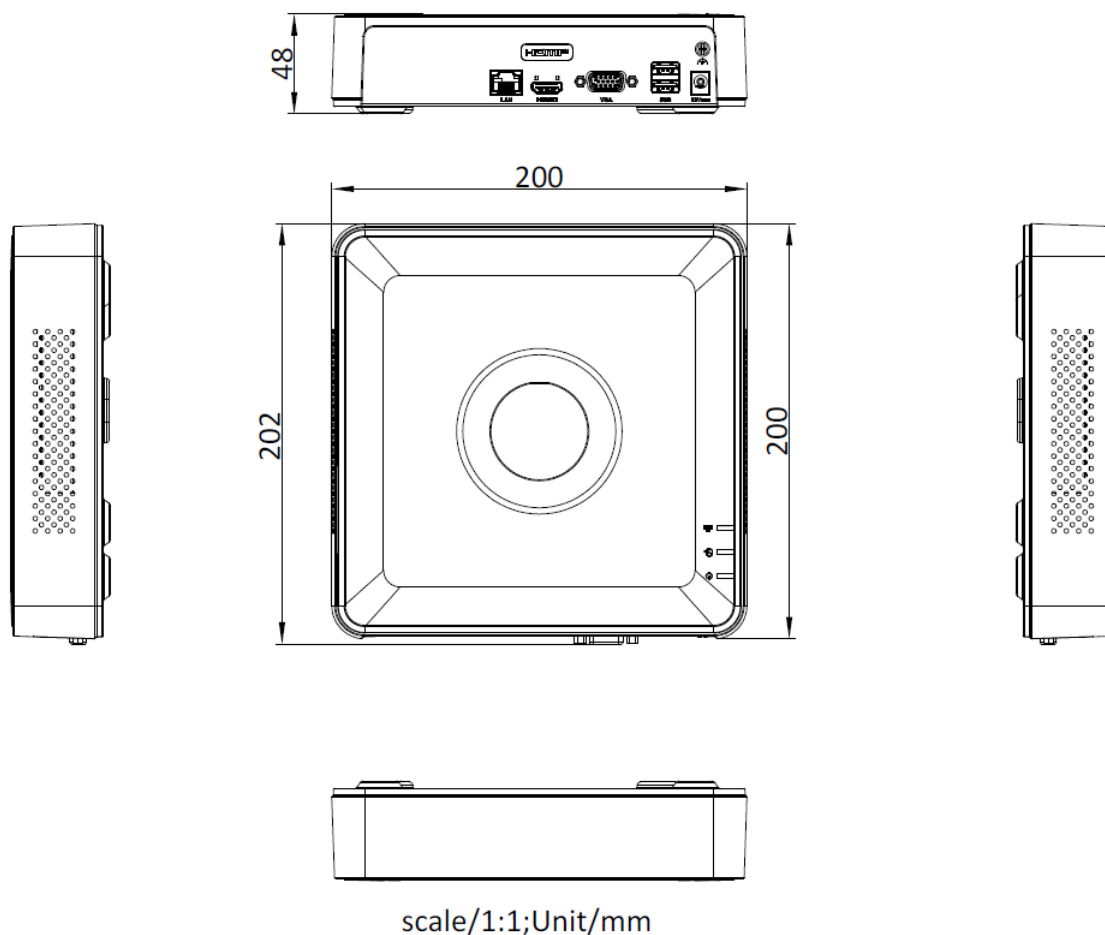


No.	Description	No.	Description
1	LAN network interface	4	USB interfaces
2	HDMI interface	5	GND
3	VGA interface	6	Power supply

## ▪ Available Model

DS-7104NI-Q1(D)

## ▪ Dimension



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## DS-2CD1023G2-LIU(F) 2 MP Fixed Bullet Network Camera



- High quality imaging with 2 MP resolution
- Support Human and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Built-in microphone for real-time audio security
- Efficient H.265+ compression technology
- Support on-board storage up to 512 GB (SD card slot) (Optional)
- Water and dust resistant (IP67)

## ▪ Specification

Camera	
Image Sensor	1/2.9" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Time	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°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 103°, vertical FOV 56°, diagonal FOV 121° 4 mm, horizontal FOV 83°, vertical FOV 44°, diagonal FOV 99°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
DORI	
DORI	2.8 mm, D: 45 m, O: 18 m, R: 9 m, I: 4 m 4 mm, D: 56 m, O: 22 m, R: 11 m, I: 5 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
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 8 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream
Audio	
Audio Type	Mono sound
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC
Audio Bit Rate	64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)
Network	
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)

Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)), ISAPI, SDK
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+
<b>Image</b>	
Wide Dynamic Range (WDR)	Digital WDR
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Privacy Mask	4 programmable polygon privacy masks
<b>Interface</b>	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	-F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Microphone	Yes
Reset Key	-F: Yes
<b>Event</b>	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Linkage	Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture
<b>General</b>	
Power	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W
Material	Metal & Plastic
Dimension	170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")
Package Dimension	216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")
Weight	Approx. 265 g (0.6 lb.)
With Package Weight	Approx. 495 g (1.1 lb.)
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)
Language	English, Ukrainian
General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email

Approval	
EMC	FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7
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

## ▪ 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.

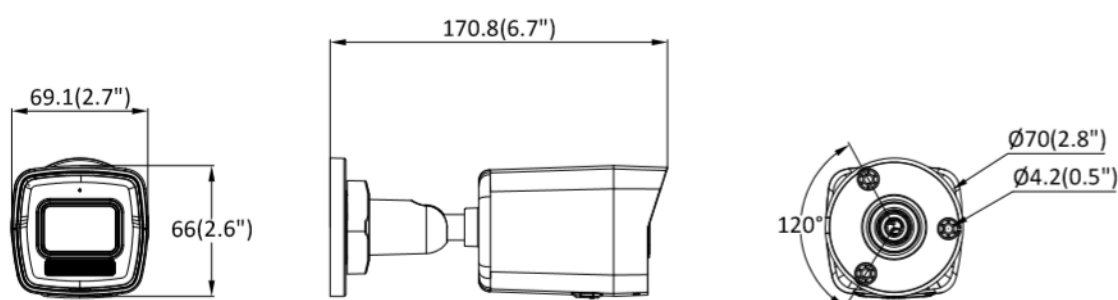
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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.

## ▪ Available Model

DS-2CD1023G2-LIU (2.8/4 mm)

DS-2CD1023G2-LIUF (2.8/4 mm)

## ▪ Dimension



Unit: mm (inch)

- Accessory
- Optional

**DS-1280ZJ-XS**  
**Junction Box**

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## DS-2CD2347G2H-LI(U)

4 MP Smart Hybrid Light with ColorVu Fixed Turret Network Camera



## ColorVu



- High quality imaging with 4 MP resolution
- Smart Hybrid Light: advanced technology with long range
- Clear imaging against strong back light due to 130 dB WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle classification based on deep learning
- -U: Built-in microphone for real-time audio security
- Water and dust resistant (IP67)

## ▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 111.1°, vertical FOV 57.6°, diagonal FOV 138.5° 4 mm, horizontal FOV 95.2°, vertical FOV 48.3°, diagonal FOV 117.4°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8 mm: 2.5 m to ∞ 4 mm: 3.1 m to ∞
DORI	
DORI	2.8 mm: D: 61 m, O: 24 m, R: 12 m, I: 6 m 4 mm: D: 75 m, O: 30 m, R: 15 m, I: 7 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
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) *The third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.264+/H.265+, 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
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	
Audio Compression	-U: G.711/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)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)
Audio Sampling Rate	-U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	-U: Yes
<b>Network</b>	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets, SRT, SFTP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
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 1.1/1.2/1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
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+
<b>Image</b>	
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
SNR	≥ 52 dB
Wide Dynamic Range (WDR)	130 dB
Privacy Mask	4 programmable polygon privacy masks
<b>Interface</b>	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Microphone	-U: Yes
Reset Key	Yes
<b>Event</b>	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email
Smart Event	Scene change detection
<b>Deep Learning Function</b>	
Face Capture	Yes
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)



General	
Power	12 VDC $\pm$ 25%, 0.41 A, max. 5 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6 W
Material	Cover: Metal, main body: Metal
Dimension	$\varnothing$ 138.3 mm $\times$ 115.4 mm ( $\varnothing$ 5.4" $\times$ 4.5")
Package Dimension	170 mm $\times$ 170 mm $\times$ 160 mm (6.7" $\times$ 6.7" $\times$ 6.3")
Weight	Approx. 770 g (1.7 lb.)
With Package Weight	Approx. 1040 g (2.3 lb.)
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)
General Function	Heartbeat, mirror, password reset via email, pixel counter, anti-banding
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
Approval	
EMC	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, 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
Protection	IP67: IEC 60529-2013

## ▪ Typical Application

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This model has NO SPECIFIC PROTECTION.

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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

DS-2CD2347G2H-LIU(2.8mm)

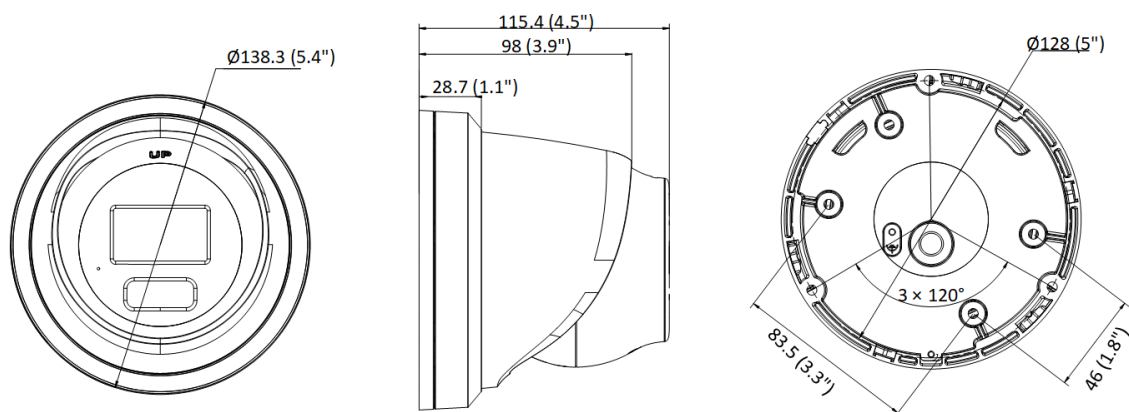
DS-2CD2347G2H-LIU(4mm)

DS-2CD2347G2H-LI(2.8mm)

DS-2CD2347G2H-LI(4mm)

DS-2CD2347G2H-LIU(2.8mm)/Black

## Dimension








Unit: mm (inch)

## Accessory

### Optional

DS-1273ZJ-140 Wall Mount	DS-1273ZJ-140B Wall Mount	DS-1271ZJ-140 Pendant Mount	DS-1275ZJ-SUS Vertical Pole Mount	DS-1276ZJ-SUS Corner Mount
				
DS-1280ZJ-PT6 Junction Box	DS-2280ZJ-WA140 Junction Box	DS-2200ZJ-WA-140 Wall Mount	DS-2200ZJ-WAJ-140 Wall Mount	DS-2210ZJ-WA-140 Pendant Mount
				

DS-1273ZJ-140(Black) Wall Mount	DS-1280ZJ-DM21(Black) Junction Box	DS-1271ZJ-140(Black) Pendant Mount	DS-1275ZJ-SUS(Black) Vertical Pole Mount	DS-1276ZJ-SUS(Black) Corner Mount
				

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**DS-2CE78D0T-LXTS****2MP Two-Way Audio & Siren Fixed Turret Camera**

- High quality imaging with 2 MP, 1920 × 1080 resolution
- 2.8 mm, 3.6 mm fixed focal lens
- Up to 40 m IR distance for bright night imaging
- Up to 40 m white light distance for bright night imaging
- Smart-Hybrid Light, optimize your security with flexible lighting options
- Active strobe light and audio alarm
- High quality audio with audio over coaxial cable, built-in mic, and built-in speaker
- Provide real-time communication via built-in two-way audio
- Water and dust resistant (IP67)

## ▪ Specification

Camera	
Image Sensor	2 MP CMOS
Max. Resolution	1920 (H) × 1080 (V)
Min. Illumination	0.01 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Time	PAL: 1/12.5 s to 1/50,000 s, NTSC: 1/15 s to 1/50, 000 s
Day & Night	ICR
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 75°, Rotate: 0° to 360°
Signal System	PAL/NTSC
Lens	
Lens Type	2.8 mm, 3.6 mm fixed lens
Focal Length & FOV	2.8 mm, horizontal FOV: 105°, vertical FOV: 59°, diagonal FOV: 127°; 3.6 mm, horizontal FOV: 87°, vertical FOV: 46°, diagonal FOV: 105°
Lens Mount	M12
Microphone	
Pickup Distance	In a radius of up to 5 m
Amount	1
Speaker	
Rated Power	2 W
Speaker Range	In a radius of up to 5 m
Illuminator	
Supplement Light Type	Smart, IR, White Light
Supplement Light Range	IR: Up to 40 m, White Light: Up to 40 m
Image	
Image Settings	Anti-banding, Brightness, Sharpness, Smart IR
Frame Rate	TVI: 1080p @25 fps/30 fps
Day/Night Mode	Auto/Color
Wide Dynamic Range (WDR)	Digital WDR
Image Enhancement	DWDR, BLC, HLC, Global, HLS
Noise Reduction	2D DNR
White Balance	Auto, Manual
Audio	
Audio Function	Echo Cancellation, AI Noise Reduction, Automatic Gain Control
Interface	
Video Output	1 HD analog output
Alarm	Flashing Light Alarm (Red & Blue)

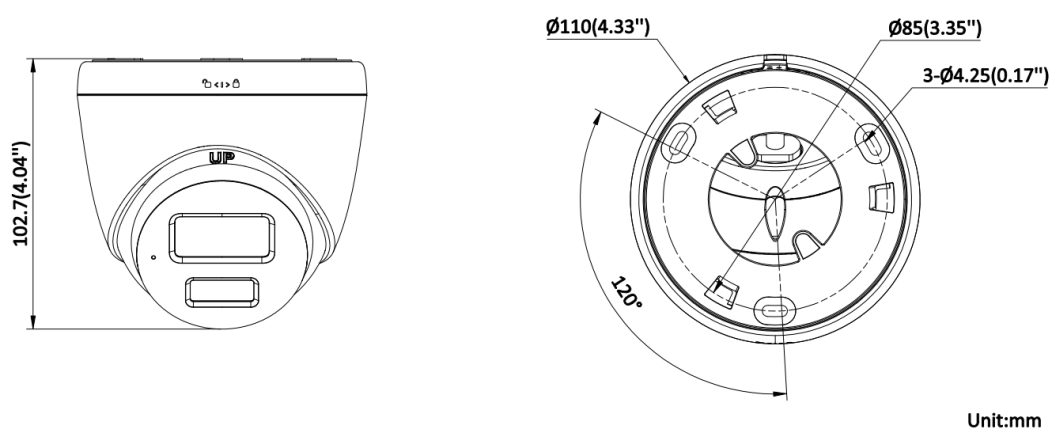
General	
Power	12 VDC $\pm$ 25%, max. 8.5 W, *You are recommended to use one power adapter to supply the power for one camera. If a high-impedance cable is used (such as the 18 m extension cable in the kit package), a 15 VDC adapter is required.
Material	Main body: Metal; Enclosure: Plastic
Dimension	$\varnothing 110$ mm $\times$ 102.7 mm ( $\varnothing 4.33$ " $\times$ 4.04")
Weight	Approx. 385 g (0.85 lb.)
Operating Condition	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 90% or less (non-condensing)
Communication	HIKVISION-C
Language	English
Approval	
Protection	IP67

## ▪ Available Model

DS-2CE78D0T-LXTS(2.8mm)






DS-2CE78D0T-LXTS(3.6mm)

## ▪ Dimension



## ▪ Accessory

### ▪ Optional

DS-1272ZJ-110-TRS Wall mount	DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount	DS-1280ZJ-S Junction box	DS-1281ZJ-S Inclined ceiling mount
				

# See Far, Go Further



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[support@hikvision.com](mailto:support@hikvision.com)





## **DS-3E1309P-EI/M** **8 Port Fast Ethernet Smart 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.

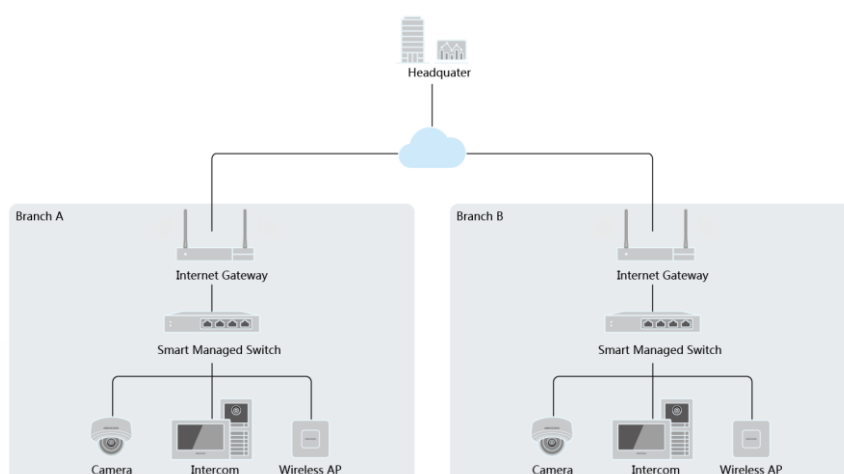
- 8 × 10/100 Mbps PoE ports, 1 × Gigabit RJ45 port
- Total PoE Power Budget 60 W
- Support 802.1Q VLAN
- Support PoE watchdog to detect and restart the cameras that do not respond
- Support STP/RSTP loop prevention
- Support cable detection to locate failure
- Up to 300 m Long Range PoE Transmission
- 6 kV Surge Protection

## ▪ Specification

General	
Shell	Metal material, fan-free design
Net Weight	0.4 kg (0.9 lb)
Gross Weight	0.9 kg (2.0 lb)
Dimensions (W × H × D)	170.00 mm × 27.60 mm × 93.10 mm (6.69" × 1.09" × 3.67")
Operating Temperature	0 °C to 40 °C (32 °F to 104 °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	54 V DC, 1.2 A
Installation Mode	Desk-Mounted, Wall-Mounted
Max. Power Consumption	65 W
Power Consumption in Idle	5 W
Surge Protection	6 kV
Network Parameters	
Ports	8 × 10/100 Mbps PoE port, 1 × Gigabit RJ45 port
MAC Address Table	8 K
Switching Capacity	Whole-Device Performance: 5.6 Gbps Port Performance: 3.6 Gbps
Packet Forwarding Rate	Whole-Device Performance: 4.17 Mpps Port Performance: 2.68 Mpps
Internal Cache	4 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 8
Max. Port Power	30 W
PoE Power Budget	60 W
Software Function	
Long Range	Ports 1 to 8: up to 300 m. Long range performance may vary depend on camera model or cable condition.
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-range mode. 8. Remotely upgrade the device.
Port Isolation	Ports 1 to 8: 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.

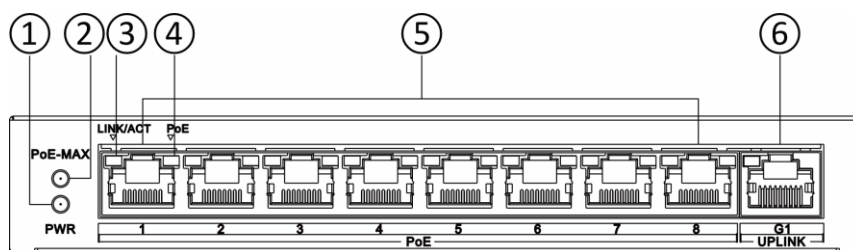
System Maintenance	<p>Support device management via web.</p> <p>Support DHCP Client. Enabled by default for dynamic assignment of management IP addresses.</p> <p>Support Super IP, which is a fixed IP address (10.180.190.200) for direct access.</p> <p>Support management via Hik-Central Pro.</p> <p>Support remote management via Hik-Partner Pro.</p> <p>Support cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected.</p> <p>Support 802.1ab LLDP for peer device discovery.</p> <p>Support port mirroring for fault locating.</p>
PoE Watchdog	Ports 1 to 8: auto detect and restart the cameras that do not respond.
Loop Prevention	<p>Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default.</p> <p>Support 802.1D STP.</p> <p>Support 802.1w RSTP.</p>
VLAN	<p>VLAN is used for network scale planning and network health improvement.</p> <p>Support 802.1Q.</p> <p>Configurable VLAN ID from 1-4094.</p> <p>Support Trunk, Access port mode.</p> <p>Support Max. 4094 VLAN.</p>
<b>Approval</b>	
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 (2011/65/EU), WEEE (2012/19/EU), Reach (Regulation (EC) No.1907/2006)

## ▪ Typical Application



## Physical Interface

### Front Panel

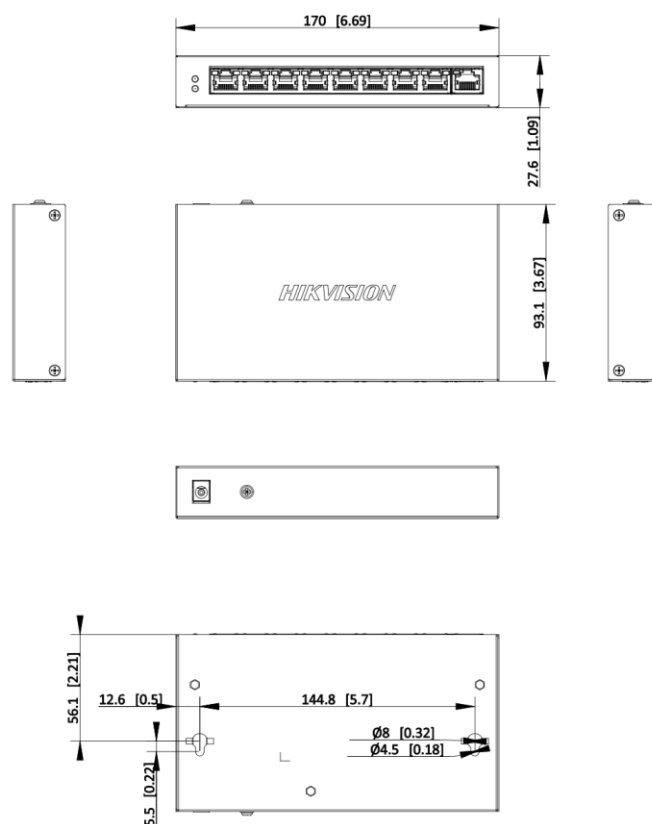


### Rear Panel



No.	Indicator/Port	Description
①	PWR Indicator	<ul style="list-style-type: none"> <li>● Solid on: The switch is powered on normally.</li> <li>● Unlit: No power supply is connected or power supply is abnormal.</li> </ul>
②	PoE-MAX Indicator	<ul style="list-style-type: none"> <li>● 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.</li> <li>● 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.</li> </ul>
③	LINK/ACT Indicator	<ul style="list-style-type: none"> <li>● Solid on: The port is connected.</li> <li>● Flashing: The port is transmitting data.</li> <li>● Unlit: The port is disconnected or connection is abnormal.</li> </ul>
④	PoE Indicator	<ul style="list-style-type: none"> <li>● Solid on: The switch supplies power to a PD normally.</li> <li>● Unlit: The switch is disconnected from a PD or power supply is abnormal.</li> </ul>
⑤	10/100 Mbps PoE RJ45 Port	Used for connection to a PD via a network cable.
⑥	Gigabit RJ45 Port	Used for connection to another device via a network cable.
⑦	Reset Button	Press and hold the reset button for about 5 seconds to restore all the configurations of the switch to default settings.
⑧	Grounding Terminal	Used for connection to the grounding cable to protect the switch from lightning.
⑨	Power Supply	Use the attached power adapter and power cord to connect the switch to a socket.

## Dimension



Unit: mm [inch]

SCALE	1:1
-------	-----

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**DS-D5022F2-2P2A**  
**21.5 inch FHD IPS 100 Hz V-bracket**



- 100 Hz refresh rate, more fluid and life-like video
- IPS technology for wide, 178° ultra-wide view screen.
- Ultra-thin device body with ultra-thin border for 3 sides.
- 8 bit LVDS FHD (1920 × 1080) display.
- 3D noise reduction.
- Low blue light design for eye care.
- Dual interface of HDMI and VGA.
- Support VESA wall mount.

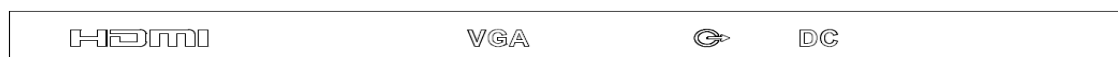
## ▪ Specification

Display	
Screen Size	21.45 inch
Active Display Area	478.656 (H) mm × 260.280 (V) mm
Resolution	1920 × 1080
Backlight	E-LED
Pixel Pitch	0.241 (H) mm × 0.241 (V) mm
Brightness	250 cd/m <sup>2</sup>
Viewing Angle	178° (H)/178° (V)
Color Depth	8 bit, 16.7 M
Contrast Ratio	1000:1
Response Time	6.5 ms
Refresh Rate	Typ 60 Hz, Max 100 Hz
Haze	Haze 25%, 3H
Reliability	7 × 16 H
Color Gamut	72% NTSC
Interface	
Video & Audio Input	HDMI 1.4 × 1, VGA × 1
Video & Audio Output	Audio Out
Power	
Power Supply	DC 12 V, 2.0 A
Power Consumption	≤ 24 W
Standby Consumption	≤ 0.5 W
Working Environment	
Working Temperature	0 °C to 40 °C (32 °F to 104 °F)
Working Humidity	20% RH to 90% RH (Non-Condensing)
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Storage Humidity	10% RH to 90% RH (Non-Condensing)
General	
Casing Material	Plastic
VESA	75 mm × 75 mm (4 - M4 × 6 mm)
Bezel Width	2.38 mm (top/left/right), 21.55 mm (bottom)
Product Dimensions (W × H × D)	With base: 493.26 (W) mm × 367.02 (H) mm × 162.73(D) mm (19.42" × 14.45" × 6.41") Without base: 493.26 (W) mm × 290.13 (H) mm × 42.35 (D) mm (19.42" × 11.42" × 1.67")
Package Dimensions (W × H × D)	599 (W) mm × 393 (H) mm × 109 (D) mm (23.58" × 15.47" × 4.29")
Net Weight	2.0 ± 0.5 kg (4.41 ± 1.10 lb.)
Gross Weight	3.2 ± 0.5 kg (7.05 ± 1.10 lb.)
Packing List	Monitor × 1, Base component × 1, Power adapter (12 V, 2.0 A) × 1, HDMI cable (1.5 m) × 1, User manual × 1, Multilingual manual × 1
Remarks	The base is included by default. The product appearance and parameters in this specification may vary from your actual device. Please consult our local sales staff for further information



## Physical Interface

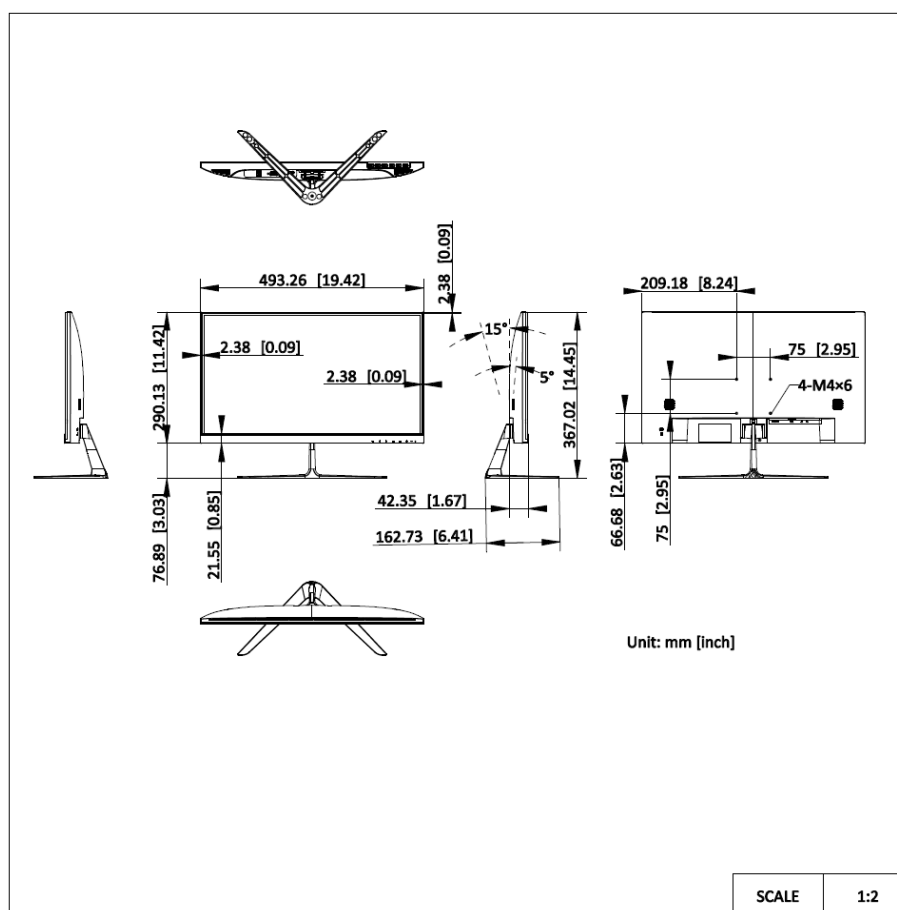
Interface	Description	Interface	Description
HDMI	HDMI 1.4 digital signal input interface	VGA	VGA analog signal input interface
Audio Out	3.5 mm audio output interface	DC	DC 12 V 2.0 A input interface



## Available Model

DS-D5022F2-2P2A

## Dimension



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## **DS-K1T321EFWX** **Face Recognition Terminal**



Face recognition terminal adopts deep learning algorithm, which helps to recognize the face faster with higher accuracy. It also supports multiple authentication modes: face/card/fingerprint/PIN authentication, etc. It can be applied in multiple scenarios, such as buildings, enterprises, financial industries, and other important areas.

- 2.4-inch LCD screen, 2 MP lens
- Multiple authentication methods, including face, fingerprint, card (EM card), and PIN, etc.
- Max. 500 faces, 3000 cards, 3000 fingerprints and 150,000 events
- Face recognition duration < 0.2 s/User
- Supports ISAPI and ISUP 5.0 protocols
- Configuration via the PC web client and mobile web client
- Supports wired network and Wi-Fi (AP mode)
- Supports wiring with secure door control unit or card reader via RS-485

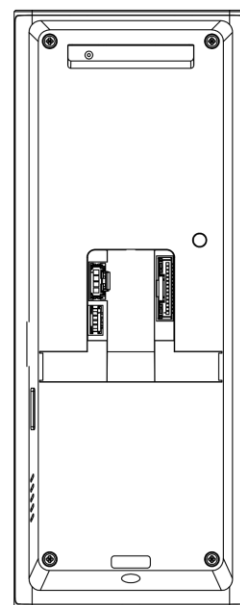
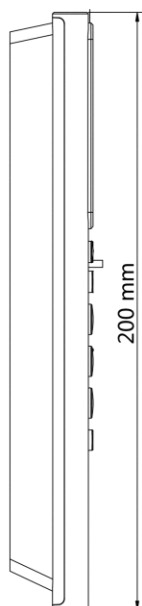
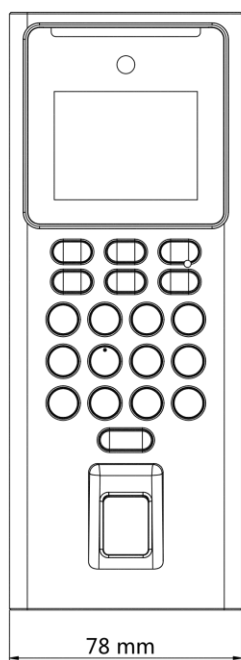
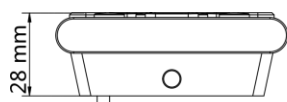
## ▪ Specification

Display	
Screen size	2.4 inch
Type	LCD
Video	
Lens	1
Resolution	2 MP (video stream: 720P)
FOV	HFOV = 25°; VFOV = 43°
Network	
Wired network	Support
Wi-Fi	Support, 2.4 G, 802.11b/g/n
Interface	
Network interface	1 RJ-45, 10/100 M self-adaptive
Lock control	1
Exit button	1
Door contact input	1
TAMPER	1
RS-485	1 RS-485 (Half duplex, HIKVISION)
USB	1
Authentication	
Card type	EM card
General	
Power supply	12 VDC
Power consumption	≤ 6 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working humidity	0 to 90% (No condensing)
Language	English, Spanish (South America), Arabic, Thai, Indonesian, Russian, Vietnamese, Portuguese (Brazil), Korean, Japanese
Keypad	Support
Function	
Face anti-spoofing	Support
Hik-Partner Pro	Support
Face recognition	Support

## ▪ Available Model

DS-K1T321EFWX

## ▪ Dimension



- **Accessory**
- **Optional**

DS-KAB321-B1 Bracket	DS-KAB321-B2 Bracket
	

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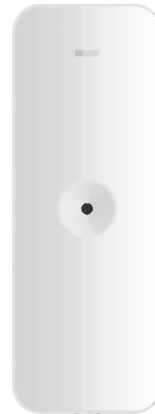


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## **DS-PDBG8-EG2-WB** **Wireless Glass Break Detector**



DS-PDBG8-EG2-WB is an Omni-directional wireless glass break detector embedded with high quality microphone sensor which provides reliable detection performance at all times

- High quality Omni-directional microphone sensor
- Fully remote configurable through App
- Multiple enrollment method and easy installation design
- Easy replaceable battery with PCB protected
- Frequency hopping against jamming for reliable transmission

## ▪ Specification

Detection Performance	
Detection Method	Acoustic Sensor
Detection Range	8m
Detection Angle	120°
Sensitivity	2m, 4m, 6m, 8m
Glass Type	Float, Plate, Tampered, Wired, Laminated Leaded, Double Glazing
Glass Thickness	2.4mm to 6.4mm
Glass Size	0.3m x 0.3m to 3m x 3m
Feature	
Digital Processing	Support
Tamper Protection	Front, Rear
Environment Temperature Indicator	Support
Signal Strength Indicator	Support
Interface	
Alarm Input	Normally Closed, Normally Open, Impulse Count
Power Switch	Power Up Enrolling
LED Indicator	Blue (Alarm)
Transmission	
Transmission Technology	Tri-X Wireless
Transmission Method	Two-Way RF Wireless
Transmission Frequency	433MHz
Transmission Security	AES-128 Encryption
Transmission Range (Free Space)	1Km
Frequency Hopping	Support
Enrolling Method	Power up, Remote ID, QR Code
Electrical Characteristics	
Power Supply	Battery Powered
Battery Type	CR123A × 2
Typical Voltage	3V
Standard Battery Life	Up to 5 years (standby time)
General	
Operation Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Operation Humidity	10% to 90%
Dimension (W×H×D)	38.8mm × 107.0mm × 24.5mm
Weight	83g
Mounting Method	Wall, Ceiling
Application Scenario	Indoor

## ▪ Available Model

DS-PDBG8-EG2-WB

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## **DS-PDEB1-EG2-WB(B)**

### **Wireless Emergency Button**



The panic button is a updated version of current wireless emergency button with water proof feature. It is flexible to be fixed in any places even in strong humid environment.

- Effective emergency button
- Fully remote configurable through App
- Multiple enrollment methods and easy installation design
- Frequency hopping against jamming for reliable transmission
- IP66 water proof

## ▪ Specification

Feature	
Button	1
Tamper Protection	Front,Rear
Environment Temperature Indicator	Support
Signal Strength Indicator	Support
Interface	
LED Indicator	Blue(Alarm)
Transmission	
Transmission Technology	Tri-X Wireless
Transmission Method	Two-Way RF Wireless
Transmission Frequency	433MHz
Transmission Security	AES-128 Encryption
Transmission Range(Free Space)	800m
Frequency Hopping	Support
Enrolling Method	Power up,Remote ID,QR Code
Electrical Characteristics	
Standard Battery Life	Up to 3 years (standby time)
Power Supply	Battery Powered
Battery Type	CR2450 x 1
Typical Voltage	3V
General	
Operation Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Operation Humidity	10% to 90%
IP Rate	IP66
Dimension(WxHxD)	63.8mm×63.8mm×18.4mm
Weight	57.5g
Mounting Method	Wall
Application Scenario	Indoor Humid environment especially

## ▪ Available Model

DS-PDEB1-EG2-WB(B)

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## DS-PDSMK-E-WB



- · High quality chamber with photoelectric sensor
- · 10 years battery life

## ▪ Specification

Detection Performance	
Detection Method	Chamber With Photoelectric Sensor
Feature	
Environment Temperature Indicator	Support
Signal Strength Indicator	Support
Self-health Check	Support
Alarm Sound Interlink	Support
Interface	
Power Switch	Power Up Enrolling
LED Indicator	Red (Alarm)
Buzzer	≥ 85dB @ 3 m
Transmission	
Transmission Method	Two-Way RF Wireless
Transmission Frequency	433 MHz
Transmission Security	AES-128 Encryption
Transmission Range(Free Space)	1 Km
Enrolling Method	Power up, Remote ID, QR Code
Electrical Characteristics	
Standard Battery Life	10 years for standalone sensor 5 years for RF wireless
Power Supply	Battery Powered
Battery Type	Non Replaceable Energizer L91 x 2 for Sensor Replaceable CR123A x 1 for RF Wireless
Typical Voltage	3 V
General	
Operation Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Operation Humidity	5% to 90%
Dimension(WxHxD)	φ120 × 48 mm
Weight	190.5 g
Mounting Method	Ceiling
Application Scenario	Indoor

## ▪ Available Model

DS-PDSMK-E-WB

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**DS-PWA96-Kit-WB**

- DS-PWA96-M-WB x 1
- DS-PKF1-WB x 1
- DS-PDP15P-EG2-WB x 1
- DS-PDMC-EG2-WB x 1

## ▪ Specification

Software features	
Tag	48
Area	32
Zones	96 (up to 48 PIRCAMs)
Onboard video clips	4
Installer	1
User	46
Admin	1
Voice Prompt	Supported
Loudspeaker built in	Supported
Tag reader built in	Supported
Memory Log stored	5000
Programming tools	Hik-Connect/Hik-Partner Pro/Web Portal/IVMS4200/Convergence Cloud
Firmware upgrade	APP/Web Portal
Arm modes	Away/Stay
Automatic Arm/Disarm Timers	Supported
Forced Arming with Open Zones	Supported
Diagnostics via the APP or Web	Supported
ARC protocol	SIA DC09 (SIA level 2, Contact ID), ISUP, ISAPI (SDK) Hik-IP Receiver & Hik-IP Receiver Pro (Sur-Gard & Ademco 685) Supports video verification and remote control
User APP for operating	Supported
Installer APP for programming	Supported
Web server for maintenance (offline configuration)	Supported
Hardware features	
RS232 output	Supported
SIM slot	Dual
RF transmission	
Two-way Wireless Communication	Support
RF Frequency	433 Mhz
Wireless Security	Frequency Hoping 128 AES Encryption
3/4G on board	Supported
Electrical characteristics	
Power supply	Built in power supply
Battery type	Built in on board Battery Li
Battery life span	Up to 12 hours at normal temperature (The battery working time can be significantly reduced at low temperatures)
Wireless transmission	
Wired network	Supported
Wi-Fi Standard	Supported









Display	
LEDs Status	Arm/Disarm, Alarm, Tamper, Fault, Cloud, Power
General	
Operation temperature	-10 °C to +55 °C
Shell material	Plastic
Dimension(WxHxD)	170.0 mm (6.7") x 170.0 (6.7") mm x 38.6 mm (1.5")
Weight	557.5 g(19.7 oz)
Color	white
Device management	
Keyfob	48
Wireless sounder	6 (3 internal+3 External)
Keypad	8 (Including Tag reader)
Wireless Repeater	4
Multi Transmitter	6
PIR Cam	Supported

## ▪ Available Model

DS-PWA96-Kit-WB

## ▪ Accessory

### ▪ Optional

DS-PKF1-WE/Europe BLACK	DS-PDP15P-EG2- WE/Europe BLACK	DS-PDMC-EG2-WE/ Europe BLACK	DS-PDP15P-EG2-WE Wireless PIR Detector	DS-PDMC-EG2-WE Wireless Magnet Detector
				
DS-PKF1-WE Keyfob				
				

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## iDS-7204HQHI-M1/XT 4-ch 1080P 1U H.265 AcuSense DVR

### Key Feature

- 4 channels and 1 HDD 1U AcuSense DVR
- Support 1-ch Facial Recognition or 2-ch Advanced model Perimeter Protection based on Deep Learning algorithm
- Support 2-ch AcuSearch Technology
- Efficient H.265 pro+ compression technology
- Encoding ability up to 3K/5MP Lite @ 12 fps
- 5 signals input adaptively (HDTVI/AHD/CVI/CVBS/IP)
- Up to 6-ch network cameras can be connected
- Support All channels Motion Detection Technology
- Support All channels HDTVI Two-Way Audio Technology



### Smart Function

- Deep learning based human and vehicle targets classification of Motion Detection 2.0
- Deep learning based perimeter protection

### Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 3K / 5 MP Lite resolution

### Storage and Playback

- 1 SATA interface (up to 10 TB capacity)
- Smart search for efficient playback

### Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- Hik-Connect & DDNS for easy network management

## ▪ Specification

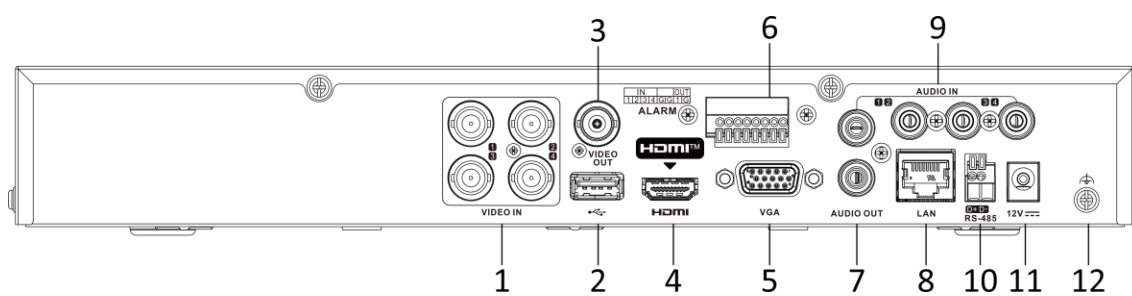
Facial Recognition	
Face Picture Comparison	Face picture comparison, face picture search (1-ch face picture comparison alarm for HD analog camera)
Face Picture Library	Up to 16 face picture libraries
Motion Detection 2.0	
Human/Vehicle Analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels, it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights; Quick search by object or event type is supported;
Perimeter Protection	
Human/Vehicle Analysis	Up to 2-ch
Video and Audio	
IP Video Input	2-ch (up to 6-ch), Up to 6 MP resolution
Analog Video Input	4-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI Input	3K(2960 × 1665)@25/20 fps, 3K(3328 × 1504)@20fps, 5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30 fps, 1080P@25/30 fps, 720P@25/30fps
AHD Input	5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30 fps, 1080P@25/30 fps, 720P@25/30fps
HDCVI Input	3K(2880 × 1620)@25fps, 5MP(2592 × 1944)@20 fps, 4MP(2560 × 1440)@25/30 fps, 1080P@25/30 fps, 720P@25/30fps
CVBS Input	PAL/NTSC
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, HDMI/VGA simultaneous output
Audio Input	1-ch (up to 4-ch is optional), RCA (2.0 Vp-p, 1 KΩ) 4-ch via coaxial cable
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)
Synchronous playback	4-ch
Recording	
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
Encoding Resolution	When 1080p Lite mode is not enabled: 3K lite/5 MP lite/4 MP lite/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode is enabled: 3K lite/5 MP lite/4 MP lite/1080p lite/720p lite/VGA/WD1/4CIF/CIF

Frame Rate	<p>Main stream:</p> <p>When 1080p Lite mode not enabled:</p> <p>For 3K stream access: 3K lite@12fps; 4 MP lite/1080p@15fps; 720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 5 MP stream access: 5 MP lite@12fps; 4 MP lite/1080p@15fps; 720p/WD1/4CIF/VGA/CIF@20fps</p> <p>For 4 MP stream access: 4 MP lite/1080p@15fps; 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)</p> <p>For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>When 1080p Lite mode enabled:</p> <p>3K lite/5 MP lite@12fps; 4 MP lite@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)</p> <p>Sub-stream:</p> <p>WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)</p>
Video Bitrate	32 Kbps to 6 Mbps
Dual-stream	Support main stream or sub stream
Stream Type	Video, Video & Audio
Audio Compression	G.711u
Audio Bitrate	64 Kbps
<b>Network</b>	
Remote Connection	32
Total Bandwidth	72 Mbps
Network Protocol	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Network Interface	1, RJ45 10/100 Mbps self-adaptive Ethernet interface
Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface
<b>Auxiliary Interface</b>	
SATA	1 SATA interface, up to 10 TB capacity for each disk
Serial Interface	RS-485 (half-duplex)
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0
Alarm In/Out	N/A (optional to support)
<b>General</b>	
Power Supply	12 VDC, 1.5 A
Consumption	≤ 18 W
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	319 × 236 × 48 mm (12.6 × 9.3 × 1.9 inch)
Weight	≤ 1.16 kg (2.6 lb)

## ▪ Available Model

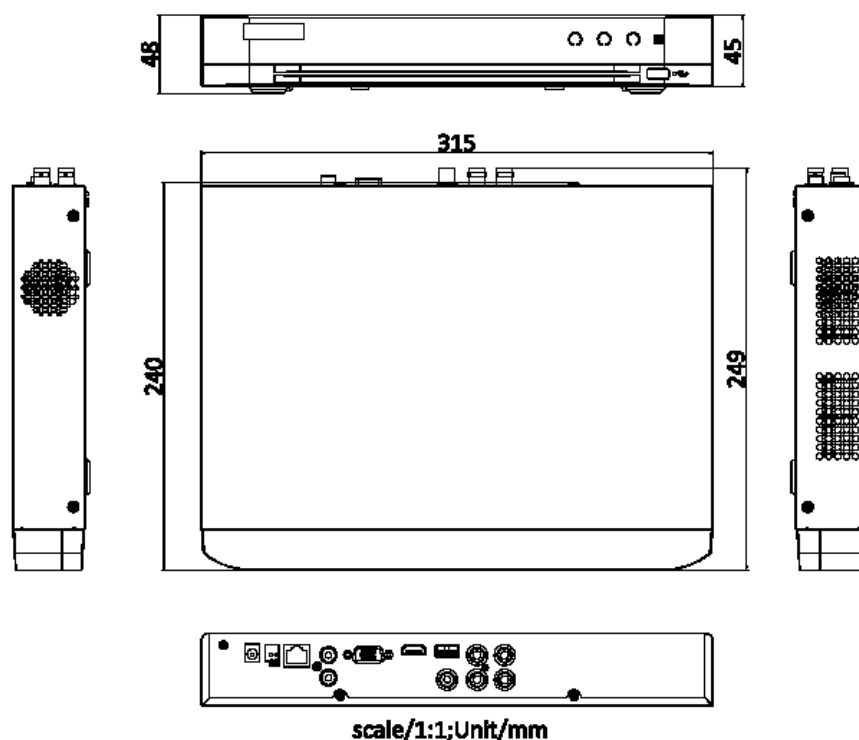
iDS-7204HQHI-M1/XT

## ▪ Physical Interface



No.	Description	No.	Description
1	Video in	7	Audio out
2	USB interface	8	LAN network interface
3	Video out	9	Audio in
4	HDMI interface	10	RS-485 interface
5	VGA interface	11	12 VDC power input
6	Alarmin / alarmout	12	GND

## ▪ Dimension



# See Far, Go Further



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