

## iDS-2CD5D87G2-XS 8MP DarkfighterS Fixed Lens Dome Camera

# **DeepinView**













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
- Clear imaging against strong back light due to 120 dB Auto-WDR technology
- Efficient H.265+ compression technology to save bandwidth and storage
- 4 streams to meet a wide variety of applications
- Water and dust resistant (IP67) and vandal proof (IK10)
- TPM 2.0 for cyber security



## 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.

### 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.

### 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.

### 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.



## Specification

Camera						
Image Sensor	1/1.8" Progressive Scan CMOS					
Max. Resolution	3840 × 2160					
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON),B/W: 0.0001 Lux @ (F1.0, 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						
Focal Length & FOV	2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° 4 mm, horizontal FOV 93.0°, vertical FOV 47°, diagonal FOV 114°					
Lens Type	Fixed focal lens, 2.8 and 4 mm optional					
Iris Type	Fixed					
Aperture	F1.0					
DORI						
DORI	2.8 mm: D (Detect): 89.2 m, O (Observe): 35.4 m, R (Recognize): 17.8 m, I (Identify): 8.9 m  4 mm: D (Detect): 104.6 m, O (Observe): 41.5 m, R (Recognize): 20.9 m, I (Identify): 10.5 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	Hybrid (IR and White Light)					
Supplement Light Range	Up to 40 m					
Smart Supplement Light	Yes					
IR Wavelength	850 nm					
Video						
Main Stream	Monitoring or smart mode: 50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 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: 10 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)					
Fourth Stream	50 Hz: 1 fps (704 × 576,640 × 480) 60 Hz: 1 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					
Video Bit Rate	32 Kbps to 16 Mbps					
H.264 Type	Baseline Profile, Main Profile, High Profile					
H.265 Type	Main Profile					



(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  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, PPOE, NTP, UPNP, SMTP, SNMP, IGMP, 802.1X, QoS, IPV4/IPV6, UDP, Bonjour, SSI/TLS, ARP, WebSocket, WebSockets  Simultaneous Live View Up to 20 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  Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic 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  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  Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image Parameters Switch  Yes  Day, Night Switch  Day, Night, Auto, Schedule  Wide Dynamic Range (WDR)  120 dB  Image Enhancement  BLC, HLC, 3D DNR, Defog  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  ElS  Interface  Ethernet Interface  1 RJ45 10 M/100 M self-adaptive Ethernet port  On-Board Storage  Built-in microphone  Alarm  1 input, 1 output (max. 12 VDC, 30 mA)	Bit Rate Control	CBR,VBR				
Target Cropping Region of Interest (ROI) A discolor of Interest (ROI) Audio Type Audio Type Audio Compression G.711/G.722.1/G.726/MP212/PCM/MP3/AAC-LC Audio Bit Rate (GAPE21/SI to 320 kbps (MP3)/16 to 64 kbps (G.722.1)/16 kbps (G.726)/32 to 192 kbps (MP3)/16 to 64 kbps (AAC-LC) Audio Sampling Rate B kHz/16 kHz/32 kHz/48 kHz Environment Noise Filtering Yes Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SMTP, SMTP, SMTP, SMTP, SMTP, MP4/IPv6, UDP, Bonjour, SSL/TLS, ARP, WebSocket, WebSockets Simultaneous Live View Up to 20 channels API Open Network Video Interface (ProfileS, ProfileG, ProfileT),ISAPI,SDK,ISUP Up to 32 users 3 user levels: administrator, operator, and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest suthentication for Open Network Video Interface, RTP/RTSP Otter HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2, TLS 1.3, TFM 2.0(FIPS 140-2 level 2), AES128/256 NAS (NFS, SMB/CIFS), Jouto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Web Browser Plug-in required live view: Et 10, IE 11, Plug-in required live view: Et 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+ Image Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients oftware or web browser Day/Night Switch Day,Night Switch Day,Night Switch Day,Night Switch Day,Night Switch Bucklica, Day Night Calor District Day Privacy Mask 8 programmable polygon privacy masks Picture Overlay Lodo picture can be overlaid on video with 128 × 128 24 bit bmp format. Image Stabilization ElS  Elternet Interface 1 RA45 10 M/100 M self-adaptive Ethernet port  Ethernet Interface 1 RA45 10 M/100 M self-adaptive Ethernet port 1 Input, 1	Scalable Video Coding (SVC)	·				
Region of Interest (ROI)  Audio Type  Mono sound  Audio Type  Audio Compression  G7.11/G722.1/G.726/MP2L2/PCM/MP3/AAC-LC  64 Kbps (G.711ulaw/).16 Kbps (G.722.1/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 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 kHr/16 kHz/32 kHz/48 kHz  Environment Noise Filtering  Yes  Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, STTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, PPTOtocols  PPPOE, NTP, UPnP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSL/TLS, ARP, WebSocket, WebSockets  Simultaneous Live View  Up to 20 channels  API  Up to 32 users  3 user levels: administrator, operator, and user  Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-EAP, EAP-MDS), 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, TMP 2.0(IPPS 140-2 level 2).AES128/256  NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.  Web Browser  Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image Farameters Switch  Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients oftware or web browser  Day/Night Switch  Day/Night Switch  Day/Night Switch  Day/Night Switch  BIC, HLC, 2D DNR, Defog  Privacy Mask  8 programmable polygon privacy masks  Picture Overlay  Loo De picture can be overlaid on video with 128 × 128 24 bit bmp format.  Image Stabilization  ElS  Either net Interface  1 RAS 10 M/100 M self-adaptive Ethernet port  Ethernet Interface  1 RAS 10 Interface port overlaid on video with 128 × 128 24 bit bmp format.  Image Stabilization  ElS		-				
Audio Type Audio Type Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC 66 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 Environment Noise Filtering Yes Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, Protocols PPPOE, NTP, UPnP, SMTP, SMTP, SMTP, BMP, 802.1X, QoS, IPP4/IPV6, UDP, Bonjour, SSI/TLS, ARP, WebSocket, WebSockets Simultaneous Live View Up to 20 channels API Open Network Video Interface (Profile S, Profile G, Profile T, JSAPI, SDK, ISUP User/Host User/Host User/Host User/Host Up to 32 users 3 user levels: a dministrator, operator, and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS. WSSE and digest sauthentication for Open Network Video Interface, RTP/RTSP OVER HTTPS. Control Timeout Settings, Security Audit Log, TLS, 12, TLS, 13, TPM 2.0(FIPS 140-2 level 2).ASS128/256 NAS (NFS, SMB/CFS), Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.  Client Web Browser Plug-in-required live view: Et 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+ Image Parameters Switch Pelug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+ Image Parameters Switch Day/Night Switch Day/N						
Audio Type Audio Compression G.711/6.722.1/G.726/MP212/PCM/MP31/AAC-LC Audio Bit Rate G.4 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP212)/8 to 320 Kbps (MP212)/8 to 320 Kbps (MP213)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz/32 kHz/48 kHz Environment Noise Filtering Yes  Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, PPDE, NTP, UPRP, SMTP, SMTP, SMMP, IGMP, 802.1X, QoS, IPV4/IPV6, UDP, Bonjour, SSI/TLS, ARP, WebSocket, WebSockets Simultaneous Live View Up to 20 channels API Open Network Video Interface (Profile S, Profile G, Profile T, ISAPI, SDK, ISUP Up to 32 users 3 user levels: administrator, operator, and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, Wostermark, 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  NAS (NTS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.  Client ViMS-4200,Hik-Connect Plug-in require tile veivew: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image Image Parameters Switch Plug-in reflive view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients oftware or web browser Day/Night Switch Day,Night, Auto, Schedule Wide Dynamic Range (WDR) 120 dB  Image Enhancement BLC,HLC,3D DNR,Defog 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 Uniterface 1 NJ45 10 M/100 M self-adaptive Ethernet port  Ethernet Interface 1 DnBut (1 output (max						
Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate Audio Bit Rate Audio Sampling Rate Bethins B		Mono sound				
Audio Bit Rate  (64 Kbps (6.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP212)/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  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, PTOtocols  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, ARP, WebSocket, WebSockets  Simultaneous Live View  Up to 20 channels  API  Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP  Up to 32 users  3 user levels: administrator, operator, and user  Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authenticated for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.3, TPM 2.0(FIPS 140-2 level 2), AES128/256  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  Web Browser  Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image  Image Parameters Switch  Yes  Image Satehits  BLC, HLC, 3D DNR, Defog  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  Uniout, 1 output (max. 12 VDC, 30 mA)						
Audio Bit Rate  (MP212)/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  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, PPP0E, NTP, UPnP, SMTP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSI/TLS, ARP, WebSocket, WebSockets  Simultaneous Live View  Up to 20 channels  API  Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP  Ub to 32 users 3 user levels: administrator, operator, and user  Password protection, complicated pass word, 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, Centrol Timeout Settings, Security Audit Log, TLS 1.2, TLS 1.3, TPM 2.0(FIPS 140-2 level 2), AES128/256  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  Plug-in required liveview: IE 10, IE 11, Plug-in free liveview: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image  Image Parameters Switch  Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients oftware or web browser  Day/Night Switch  Day, Night, Auto, Schedule  Wide Dynamic Range (WDR)  120 dB  Image Enhancement  BLC, HLC, 3D DNR, Defog  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  1 RAS 10 M/100 M self-adaptive Ethernet port  On-Board Storage  Built-in Microphone  Alarm  1 input, 1 output (max. 12 VDC, 30 mA)	Thurst Compression					
Audio Sampling Rate 8 kHz/16 kHz/32 kHz/48 kHz Environment Noise Filtering Yes  Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, PPTOtocols PPPoE, MTP, UPAP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSL/TLS, ARP, WebSocket, WebSockets  Simultaneous Live View Up to 20 channels  API Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP  Up to 32 users  User/Host Up to 32 users  3 user levels: administrator, operator, and user  Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), 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  NAS (NFS, SMB/CIFS), Auto Network Replienishment (ANR),  Together with high-end Hikvision memory card, memory card encryption and health detection are supported.  Client IVMS-4200, Hik-Connect Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image Parameters Switch Yes  Image Parameters Switch Ves  Cate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients software or web browser  Day/Night Switch Day, Night, Auto, Schedule  Wide Dynamic Range (WDR) 120 dB  Image Enhancement BLC, HLC, 30 DNR, Defog  Privacy Mask Programmable polygon privacy masks  Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.  Image Stabilization Els  Interface  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 1 TB  Built-in Microphone 1 built-in microphone	Audio Bit Rate					
Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, SRTP, RTP, RTSP, RTCP, Protocols  PPPOE, NTP, UPNP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSL/TLS, ARP, WebSocket, WebSockets  Simultaneous Live View Up to 20 channels API Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP User/Host 3 user levels: administrator, operator, and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), 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  NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.  Client  VM6b Browser  Plug-in required live view: IE 10,IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image Parameters Switch  Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients of tware or web browser  Day/Night Switch  Day, Night, Auto, Schedule  Wide Dynamic Range (WDR)  Image Ethancement  BLC, HLC, 3D DNR, Defog  Privacy Mask  B programmable polygon privacy masks  Pricture Overlay  LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.  Image Stabilization  EIS  Interface  Ethernet Interface  1 RM5 10 M/100 M self-adaptive Ethernet port  On-Board Storage  Built-in Microphone  Alarm  1 input, 1 output (max. 12 VDC, 30 mA)	Audio Sampling Rate					
Network  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, SRTP, RTSP, RTCP, PPPoE, NTP, UPNP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSI/TLS, ARP, WebSocket, WebSockets  Simultaneous Live View Up to 20 channels  Up to 20 channels  Up to 32 users  Up to 32 users  3 user-levels: administrator, operator, and user  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  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  Web Browser  Plug-in required live view: Et 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image  Image Parameters Switch  Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients of tware or web browser  Day/Night Switch  Day, Night, Auto, Schedule  Wide Dynamic Range (WDR)  Inage Enhancement  BLC, HLC, 3D DNR, Defog  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  ES  Interface  Ethernet Interface  1 RJ45 10 M/100 M self-adaptive Ethernet port  On-Board Storage  Built-in microphone  Alarm  1 input, 1 output (max. 12 VDC, 30 mA)						
TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, SRTP, RTCP, PPPote, NTP, UPnP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSL/TLS, ARP, WebSocket, WebSockets  Simultaneous Live View Up to 20 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  Password protection, complicated password, HTTP's encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-HDDS), 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  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  Web Browser Plug-in required liveview: IE 10, IE 11, Plug-in free liveview: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image Parameters Switch Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients oftware or web browser  Day/Night Switch Day, Night, Auto, Schedule  Wide Dynamic Range (WDR) 120 dB  Image Enhancement BLC, HLC, 3D DNR, Defog  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  Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port  On-Board Storage Built-in memory card slots, support microSD/microSDHC/microSDXC card, up to 1 TB  Built-in Microphone 1 built-in microphone	_					
Protocols  PPPOE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSL/TLS, ARP, WebSocket, WebSockets  Simultaneous Live View  Up to 20 channels  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  Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), 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  NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), Together with high-end Hikhvision memory card, memory card encryption and health detection are supported.  Client IVMS-4200, Hik-Connect  Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image Parameters Switch  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients oftware or web browser  Day/Night Switch  Day, Night, Auto, Schedule  Wide Dynamic Range (WDR)  120 dB  Image Enhancement  BLC, HLC, 3D DNR, Defog  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  ElS  Interface  Ethernet Interface  1 RJ45 10 M/100 M self-adaptive Ethernet port  On-Board Storage  Built-in microphone  Alarm  1 input, 1 output (max. 12 VDC, 30 mA)	Network	TCD/ID ICMD HTTD HTTDS ETD SETD DHCD DNS DDNS SDTD DTD DTSD DTCD				
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  Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic 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  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  Web Browser Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image Parameters Switch Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients of tware or web browser  Day/Night Switch Day, Night, Auto, Schedule  Wide Dynamic Range (WDR) 120 dB  Image Enhancement BLC, HLC, 3D DNR, Defog  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 ElS  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 1 TB  Built-in Microphone 1 input, 1 output (max. 12 VDC, 30 mA)	Protocols	PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSL/TLS,				
User/Host  User/Host  Up to 32 users 3 user levels: administrator, operator, and user  Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic 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  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  Web Browser  Plug-in free live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image Parameters Switch  Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Day/Night Switch  Day, Night, Auto, Schedule  Wide Dynamic Range (WDR)  Image Enhancement  BLC, HLC, 3D DNR, Defog  Privacy Mask  8 programmable polygon privacy masks  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.  Els  Interface  Ethernet Interface  1 RJ45 10 M/100 M self-adaptive Ethernet port  On-Board Storage  Built-in memory card slot, support microSDHC/microSDXC card, up to 1 TB  Built-in Microphone  Alarm  1 input, 1 output (max. 12 VDC, 30 mA)	Simultaneous Live View	Up to 20 channels				
User/Host  3 user levels: administrator, operator, and user  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  NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR),  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  Plug-in required live view: IE 10, IE 11,	API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP				
Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for FTTP/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  NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR),  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  Veb Browser  Plug-in required live view: IE 10, IE 11,  Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image Parameters Switch  Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser  Day/Night Switch  Day, Night, Auto, Schedule  Wide Dynamic Range (WDR)  Inage Enhancement  BLC, HLC, 3D DNR, Defog  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  Ethernet Interface  1 RJ45 10 M/100 M self-adaptive Ethernet port  On-Board Storage  Built-in memory card slot, support microSD/microSDXC card, up to 1 TB  Built-in Microphone  Alarm  1 input, 1 output (max. 12 VDC, 30 mA)	/	Up to 32 users				
(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  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 Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image Image Parameters Switch Yes Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser  Day/Night Switch Day,Night,Auto,Schedule Wide Dynamic Range (WDR) 120 dB Image Enhancement BLC,HLC,3D DNR,Defog 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  Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in memory card slot, support microSD/microSDHC/microSDXCcard, up to 1 TB Built-in Microphone 1 built-in microphone Alarm 1 input, 1 output (max. 12 VDC, 30 mA)	User/Host	3 user levels: administrator, operator, and user				
Network Storage Together with high-end Hikvision memory card, memory card encryption and health detection are supported.  Client iVMS-4200,Hik-Connect Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image Image Image Parameters Switch Yes Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by clients of tware or web browser  Day/Night Switch Day,Night,Auto,Schedule Wide Dynamic Range (WDR) I20 dB Image Enhancement BLC,HLC,3D DNR,Defog Privacy Mask Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format. Image Stabilization EIS  Interface Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in memory card slot, support microSD/microSDMC card, up to 1 TB Built-in Microphone Alarm 1 input, 1 output (max. 12 VDC, 30 mA)	Security	(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,				
Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+  Image  Image Parameters Switch  Yes  Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by clients oftware or web browser  Day/Night Switch  Day,Night,Auto,Schedule  Wide Dynamic Range (WDR)  120 dB  Image Enhancement  BLC,HLC,3D DNR,Defog  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  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 1 TB  Built-in Microphone  Alarm  1 input, 1 output (max. 12 VDC, 30 mA)	Network Storage	Together with high-end Hikvision memory card, memory card encryption and health				
Web BrowserPlug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+ImageImage Parameters SwitchYesImage SettingsRotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by clientsoftware or web browserDay/Night SwitchDay,Night,Auto,ScheduleWide Dynamic Range (WDR)120 dBImage EnhancementBLC,HLC,3D DNR,DefogPrivacy Mask8 programmable polygon privacy masksPicture OverlayLOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.Image StabilizationEISInterface1 RJ45 10 M/100 M self-adaptive Ethernet portOn-Board StorageBuilt-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TBBuilt-in Microphone1 built-in microphoneAlarm1 input, 1 output (max. 12 VDC, 30 mA)	Client	iVMS-4200,Hik-Connect				
Image Parameters Switch  Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by clients oftware or web browser  Day/Night Switch  Day,Night,Auto,Schedule  Wide Dynamic Range (WDR)  Image Enhancement  BLC,HLC,3D DNR,Defog  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  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 1 TB  Built-in Microphone  Alarm  1 input, 1 output (max. 12 VDC, 30 mA)	Web Browser					
Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser  Day/Night Switch Day,Night,Auto,Schedule  Wide Dynamic Range (WDR) 120 dB  Image Enhancement BLC,HLC,3D DNR,Defog  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  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 1 TB  Built-in Microphone 1 built-in microphone  Alarm 1 input, 1 output (max. 12 VDC, 30 mA)	Image					
Image Settings by clientsoftware or web browser  Day/Night Switch Day,Night,Auto,Schedule  Wide Dynamic Range (WDR) Image Enhancement BLC,HLC,3D DNR,Defog  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  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 1 TB  Built-in Microphone 1 built-in microphone Alarm 1 input, 1 output (max. 12 VDC, 30 mA)	Image Parameters Switch	Yes				
Wide Dynamic Range (WDR)  Image Enhancement  BLC,HLC,3D DNR,Defog  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  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 1 TB  Built-in Microphone  1 input, 1 output (max. 12 VDC, 30 mA)	Image Settings					
Image Enhancement  BLC,HLC,3D DNR,Defog  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  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 1 TB  Built-in Microphone  1 input, 1 output (max. 12 VDC, 30 mA)	Day/Night Switch	Day,Night,Auto,Schedule				
Privacy Mask  8 programmable polygon privacy masks  LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.  Image Stabilization  EIS  Interface  Ethernet Interface	Wide Dynamic Range (WDR)	120 dB				
Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.  EIS  Interface  Ethernet Interface	Image Enhancement	BLC,HLC,3D DNR,Defog				
Image Stabilization EIS  Interface  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 1 TB  Built-in Microphone 1 built-in microphone  Alarm 1 input, 1 output (max. 12 VDC, 30 mA)	Privacy Mask	8 programmable polygon privacy masks				
Interface  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 1 TB  Built-in Microphone 1 built-in microphone  Alarm 1 input, 1 output (max. 12 VDC, 30 mA)	Picture Overlay					
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 1 TB  Built-in Microphone 1 built-in microphone  Alarm 1 input, 1 output (max. 12 VDC, 30 mA)	Image Stabilization					
On-Board Storage  Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TB  Built-in Microphone  1 built-in microphone  1 input, 1 output (max. 12 VDC, 30 mA)	Interface					
Built-in Microphone 1 built-in microphone Alarm 1 input, 1 output (max. 12 VDC, 30 mA)	Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port				
Alarm 1 input, 1 output (max. 12 VDC, 30 mA)	On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TB				
	Built-in Microphone					
Built-in Speaker 1 built-in speaker	Alarm	1 input, 1 output (max. 12 VDC, 30 mA)				
	Built-in Speaker	1 built-in speaker				



	1 input (line in), input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type:				
Audio	non-equilibrium, 1 output (line out), output amplitude: 3.3 Vpp, output impedance:				
	$100\Omega$ , interface type: non-equilibrium, mono sound				
Reset Key	Yes				
Power Output	12 VDC, max. 100 mA				
Event					
	Motion detection, video tampering alarm, video quality diagnosis, exception (network				
Basic Event	disconnected, IP address conflict, illegal login, abnormal restart, HDD full, HDD				
	error),vibration detection				
Smart Event	scene change detection, audio exception detection, defocus detection				
	Upload to FTP/NAS/memory card,notify surveillance center, send email, trigger alarm				
Linkage	output,trigger recording,trigger capture,audible warning				
Deep Learning Function					
	Detects up to 30 faces simultaneously,				
Face Capture	Supports swing left and right from -70° to 70°, tilt up and down from -50° to 50°,				
•	Uploads face with background and closed-up face pictures				
	Supports simultaneous detection and capture of human body, face, and vehicle,				
	Gets face features,				
	Gets human body features,				
Multi-target-type Detection	Gets vehicle features,				
	Supports counting the number of line crossing targets by type, including human body				
	non-motor vehicle, motor vehicle				
	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 th				
	changing status of one queue,				
Queue Management	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				
	A graphic description of visits (by calculating amount of people or amount of dwell				
Heat Map	time) in a configured area.,				
	Two report types are available, space heat map and time heat map line chart.				
	Line crossing, intrusion, region entrance, region exiting,				
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)				
	Intrusion detection, line crossing detection, region entrance detection, region exiting				
Metadata	detection				
	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, alarminterval, first alarm delay
	Supports searching real-time number of people
	People density detection: supports scheduled uploading, number of people change
Regional People Counting	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
On/Off Duty Detection	method,
On/On 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%, 0.93A, max. 11.2 W,
1 OWCI	PoE: IEEE 802.3af, Type 1, Class 3, 36 V to 57 V, 0.27 A to 0.2 A, max. 11.2 W
Material	Aluminum alloy body
Dimension	Ø121.5 mm ×97.6 mm (Ø4.78" × 3.84")
Package Dimension	150 mm × 150 mm × 141 mm (6.0" × 6.0" × 5.6")
Weight	Approx. 620 g (1.37 lb.)
With Package Weight	Approx. 1010 g (2.23 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)
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,
Language	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,
Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat,anti-banding,one-key reset,mirror,password protection,flashlog
Integrated Connector Panel	No
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
	CB: IEC 62368-1:2014+A11,
Safety	CE-LVD: EN 62368-1:2014/A11:2017,
	LOA: IEC/EN 60950-1
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002



	CE-RoHS: 2011/65/EU,
Environment	WEEE: 2012/19/EU,
	Reach: Regulation (EC) No 1907/2006
Transport Certification	IATA Dangerous Goods Regulations, Dangerous Goods List, International Maritime
Transport Certification	Dangerous Goods Code, Railway Dangerous Goods List
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.

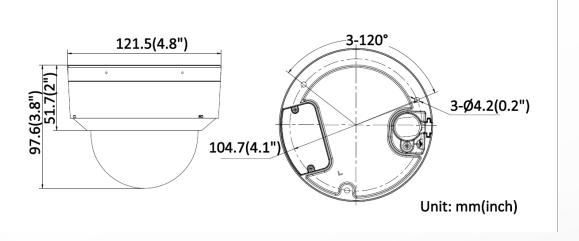
This model has NO SPECIFIC PROTECTION.

Level	Description		
	Hikvision products at this level are equipped for use in		
Top loyal protection	areas where professional anti-corrosion protection is a		
Top-level protection	must. Typical application scenarios include coastlines,		
	docks, chemical plants, and more.		
	Hikvision products at this level are equipped for use in		
	areas with moderate anti-corrosion demands. Typical		
Moderate protection	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		
No specific protection	areas where no specific anti-corrosion protection is needed.		

## Available Model

iDS-2CD5D87G2-XS(2.8mm) iDS-2CD5D87G2-XS(4mm)

## Dimension

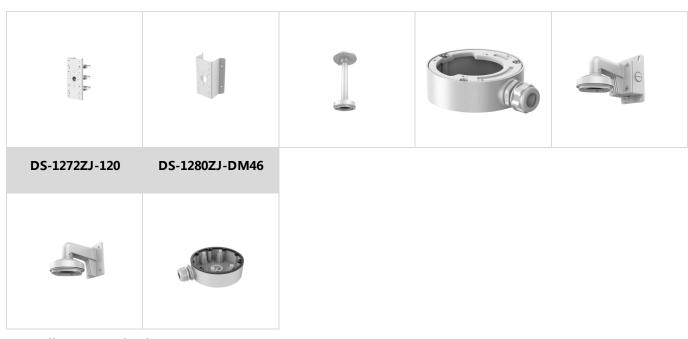


## Accessory

## Optional

DS-1275ZJ-SUS DS-1276ZJ-SUS DS-1271ZJ-120 DS-2280ZJ-WA120 DS-1272ZJ-120B





## Installation Methods

- Ilistaliation Metho	<u> </u>			
Vertical Pole Mounting DS-1275ZJ-SUS+DS-12 72ZJ-120+DS-1280ZJ- DM46	Corner Mounting DS-1276ZJ-SUS+DS-22 80ZJ-WA120	Pendant Mounting DS-1271ZJ-120+DS-12 80ZJ-DM46	Junction Box DS-2280ZJ-WA120	Junction Box DS-1280ZJ-DM46
Wall Mounting DS-1272ZJ-120B+DS-1 253ZJ-M	Wall Mounting DS-1272ZJ-120			
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# See Far, Go Further



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