

iDS-2CD7A46G0/P-IZHS(Y) 4 MP ANPR IR Varifocal Bullet Network Camera



















- High quality imaging with 4 MP resolution
- Excellent low-light performance via DarkFighter technology
- Clear imaging against strong back light due to 140 dB WDR technology
- License Plate Recognition
- Efficient H.265+ compression technology to save bandwidth and storage
- Advanced streaming technology that enables smooth live view and data self-correcting in poor network
- 5 streams and up to 5 custom streams to meet a wide variety of applications
- Water and dust resistant (IP67) and vandal proof (IK10)





Function

Road Traffic and Vehicle Detection

With embedded deep learning based license plate capture and recognition algorithms, the camera alone can achieve plate capture and recognition. The algorithm enjoys the high recognition accuracy of common plates and complex-structured plates, which is a great step forward comparing to traditional algorithms. Blocklist and allowlist are available for plate categorization and separate alarm triggering.

Smooth Streaming

Smooth streaming offers solutions to improve the video quality in different network conditions. For example, in poor network conditions, adapting to the detected real-time network condition, streaming bit rate and resolution are automatically adjusted to avoid mosaic and lower latency in live view; in multiplayer network conditions, the camera transmits the redundant data for the self-error correcting in back-end device, so that to solve the mosaic problem because of the packet loss and error rate.



Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON); B/W: 0.0003 Lux @ (F1.2, AGC ON)
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	140 dB
Day & Night	IR cut filter
Power-off Memory	Yes
Lens	
Focus	Auto, semi-auto, manual
	2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal
Lava Tura 8 FOV	FOV: 141.1° to 48°
Lens Type & FOV	8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV:
	49.6° to 17.3°
	2.8 to 12 mm: F1.2 to 2.5
Aperture	8 to 32 mm: F1.7 to F1.73
Lens Mount	Integrated
Blue Glass Module	Blue glass module to reduce ghost phenomenon.
P-Iris	Yes
Illuminator	
	2.8 to 12 mm: 50 m
IR Range	8 to 32 mm: 100 m
Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Max. Resolution	2680 ×1520
	50Hz: 25fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)
Main Stream	60Hz: 30fps (2680 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)
	50Hz: 25fps (704 × 576, 640 × 480)
Sub-Stream	60Hz: 30fps (704 × 480, 640 × 480)
	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
Third Stream	60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
Fourth Stream	60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
=16.1 a.	50Hz: 25fps (704 × 576, 640 × 480)
Fifth Stream	60Hz: 30fps (704 × 480, 640 × 480)
	50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
Custom Stream	60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
	Main stream: H.265+/H.265/H.264+/ H.264
Video Compression	Sub-stream/Third stream/Fourth stream/Fifth stream/custom 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
H.264+	Main Stream supports
H.265+	Main Stream supports
Bit Rate Control	CBR/VBR
Stream Type	Main stream/sub-stream/third stream/fourth stream/fifth stream/custom stream



Region of Interest (ROI) Audio Audio Audio Audio Audio Yes Audio Sampling Rate Audio Compression G 711/G 722.1/G 726/MP212/PCM/MP3 Audio Bit Rate Audio Order Audio Strate Audio Type Monos sound Network Simultaneous Live View Up to 20 channels API ONNIF (RROFILE S, RROFILE G, PROFILE T), ISAPI, SDK, ISUP Protocols Protocols TCP/PI, CAMP, HTTP, HTTPS, FTP, SFTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPNP, SMTP, SMTP, SMTP, RTDP, DDNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPNP, SMTP, SMTP, SMTP, SOLTX, QOS, IPV6, UDP, Bonjour, SSL/TLS Smooth Streaming Yes 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 ONNYF, RTP/RTSP OVER HTTPS, Control Timeout estings, Security Audit Log, TSL 12. microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client AVMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IE8 Web Browser Plug-in free live view: ICR Plug-in free live view: ICR Day/Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Crophing Yes Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Buck HLDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Buck HLC, 3D DNR, Defog, E, IS, Distortion Correction Image Enhancement Buc, HLC, 3D DNR, Defog, E, IS, Distortion Correction Image Parameters Switch Yes National Correction Distortion Yes Audio	Scalable Video Coding (SVC)	H.265 and H.264 support
Audio Ferror Notise Filtering Yes Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz Audio Compression G.711/G.722.1/G.726/MP212/PCM/MP3 Audio Bit Rate 64Kpsps(G.711)/16Kpsps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP212)/32Kbps(PCM)/8-320Kbps(MP3) Audio Type Mono sound Network Wishington Simultaneous Live View Up to 20 channels API ONVIE (PROFILE S., PROFILE G., PROFILE T.), ISAPI, SDK, ISUP Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SFTP, SRTP, DLCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPRP, SMTP, SMMP, IGMP, 802.1X, QoS, IPV6, UDP, Bonjour, SSL/TLS Smooth Streaming Yes User/Host Up to 32 users. 3 user levels: administrator, operator and user Password protection, complicated password, HTTPS encryption,802.1X authentication (FAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 MicroSof/SDHC/SDXC card (256 G8) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client IMMS-4200, Hik-Connect, Hik-Central Web Browser Plug-in required live view: IE8+ Plug-in required live view: IE8+ <		· ·
Environment Noise Filtering Audio Sampling Rate Audio Type Mono sound Network Simultaneous Live View Up to 20 channels API ONNIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP Frotocols TCP/P, ICMP, HTTP, HTTPS, FTP, STPT, SHTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPDE, NTP, DPNP, DPNP, SMTP, SMMP, IGMP, 802.1X, QoS, IPV6, UDP, Bonjour, SSL/TLS Smooth Streaming Yes User/Host Up to 32 users. 3 user levels: administrator, operator and user (RAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for IntTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), autonetwork replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client NMS-4200, Hilk-Connect, Hilk-Central Plug-in required live view: IEB+ Plug-in free live view: Chrome S7.0+, Firefox S2.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Yes Distortion Correction Distortion Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Brahancement BIC, HLC, 30 DNR, Defog, ElS, Distortion Correction Image Brahancement SNR S2 AB S2 AB Simple Subject Brain Subjec		
Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz Audio Dit Rate G.711/G.722.1/G.726/MP2L2/PCM/MP3 Audio Bit Rate 64kbps(G.711/J1/6Kbps(G.722.1)/16kbps(G.726//32-192kbps(MP212)/32kbps(PCM)/8-320kbps(MP3) Audio Type Mono sound Network VE Simultaneous Live View Up to 20 channels API ONNIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP Protocols TCP/IP, EMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPDE, NTP, UPNP, SMTP, SMMP, IGMP, 802.1X, QoS, IPV6, UDP, Bonjour, SSL/TLS Smooth Streaming Yes User/Host Up to 32 users. 3 user levels: administrator, operator and user Password protection, complicated password, HTTPS encryption,802.1X authentication (CRA** (CRA**) Security Password protection, complicated password, HTTPS encryption,802.1X authentication of CRA** (CRA**) Very TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for ONTP, EAP-MDS, watermark, IP address filter, basic and digest authentication for ONTP, EAP-MDS, watermark, IP address filter, basic and digest authentication for ONTP, EAP-MDS, watermark, IP address filter, basic and digest authentication for ONTP, EAP-MDS, watermark, IP address filter, basic and digest authentication for ONTP, EAP-MDS, watermark, IP address filter, basic and digest authentication for ONTP, EAP-MDS, watermark, IP address filter, basic and digest authentication for ONTP, EAP-MDS		Yes
Audio Compression G.711/G.722.1/G.726/MP212/PCM/MP3 Audio Bit Rate 64Kbps(G.711)/15kbps(G.722.1)/16kbps(G.726)/32-192kbps(MP212)/32kbps(PCM)/8-320kbps(MP3) Audio Type Mono sound Network Wind Common Streement API ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, STPP, SMTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPNP, SMTP, SMMP, IGMP, 802.1X, QoS, IPV6, UDP, Bonjour, SSL/TLS Smooth Streaming Yes User/Host Up to 32 users. 3 user levels: administrator, operator and user Password protection, complicated password, HTTPS encryption,802.1X authentication for Proving authentication for hTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, control Timeout Settings, Security Audit Log, TLS 1.2 Metwork Storage microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), autonetwork replenishment (ANR) Together with high-end Hilk/Gentral Plug-in required live view: IESP Web Browser Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video	_	
Audio Bit Rate 320Kbps(MP3) Audio Type Mono sound Network Simultaneous Live View Up to 20 channels APP ONNIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPPn, SMTP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSI/TLS Smooth Streaming Ves Up to 32 users. 3 user levels: administrator, operator and user GEAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for ATTP/HTTPS, CONTROL THTPS 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 ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 MicroSO/SDHC/SDX Card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client VMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IEB+ Web Browser Plug-in free live view: Icmome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image Target Cropping Ves Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Ves Distortion Correction Distortion Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Parameters Switch Yes Image Enhancement BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR 252 dB Input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance: 4.7 KD, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, niterface type: non-equilibrium, mono sound RS-485 With-Y: 1 RS-485(half duplex, HIKVISION, Pelco-P, Pelco-D, self-	· -	
Network Simultaneous Live View Up to 20 channels API ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SFTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS Smooth Streaming Yes 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 ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 MicroSD/SDMC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), autonetwork replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Client IVMS-4200, Hik-Connect, Hik-Central Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Yes Distortion Correction Distortion Yes	·	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/32Kbps(PCM)/8-
Network Simultaneous Live View Up to 20 channels API ONNIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSI/TLS Smooth Streaming Ves 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 ONNIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 Metwork Storage microsD/SDMC/DXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported. Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ local service: Chrome 41.0+, Firefox 30.0+ Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day,Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Yes Distortion Correction Distortion Yes Picture Overlay LOGO picture can be overlaid	Audio Type	
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Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DRCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS Smooth Streaming Ves User/Host Up to 32 users. 3 user levels: administrator, operator and user Becurity Password protection, complicated password, HTTPS encryption,802.1X authentication (FAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 Metwork Storage microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported. MMS-4200, Hik-Connect, Hik-Central Web Browser Plug-in required live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Yes Distortion Correction Distortion Yes Picture Overlay LoGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Parameters Switch Yes Roage Settings Rotate mode, sat		·
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 ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 Metwork Storage microSD/SDHC/SDXC card (256 GB) local storage, and 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 Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Ves Ves Distortion Correction Distortion Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog, ElS, Distortion Correction Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR 252 dB Interface </td <td></td> <td>TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP,</td>		TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP,
Security 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, MDSS and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 Metwork Storage microSD/SDHC/SDXC card (256 GB) local storage, and 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: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ (Local service: Chrome 41.0+, Firefox 30.0+) Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Yes Distortion Correction Distortion Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction Image Settings So Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR >52 d B Interface	Smooth Streaming	Yes
Security (EAP-TLS, EAP-LEAP, EAP-MDS), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 Metwork Storage microSD/SDHC/SDXC card (256 GB) local storage, and 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 Plug-in required live view: E8+ Plug-in required live view: E8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction Image Settings 8c Notate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB In iput (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	User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Network Storage 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: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Yes Distortion Correction Distortion Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction Image Parameters Switch Yes SNR 25 dB Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR 25 dB Interface Audio 1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance: 4.7 KO, 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, mono sound RS-485 With *: 1 RS-485(hal	Security	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP
Web Browser Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Yes Distortion Correction Distortion Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Interface Audio 2 input, 2 outputs (max. 24 VDC, 1 A) Audio 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output 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, mono sound RS-485 With -Y: 1 RS-485(half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) Video Output 1 Vp-p Composite Output(75Ω/CVBS)(For debugging only) On-board Sto	Network Storage	network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health
Web Browser Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image Smart IR The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure. Day/Night Switch Day, Night, Auto, Schedule, Triggered by Alarm In, Triggered by Video Target Cropping Yes Distortion Correction Distortion Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Interface Audio 2 input, 2 outputs (max. 24 VDC, 1 A) Audio 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output 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, mono sound RS-485 With -Y: 1 RS-485(half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) Video Output 1 Vp-p Composite Output(75Ω/CVBS)(For debugging only)	Client	iVMS-4200, Hik-Connect, Hik-Central
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Distortion Correction Distortion Yes Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Image Enhancement BLC, HLC, 3D DNR, Defog, EIS, Distortion Correction Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥52 dB Interface Alarm 2 input, 2 outputs (max. 24 VDC, 1 A) 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, mono sound RS-485 With -Y: 1 RS-485(half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) Video Output 1 Vp-p Composite Output(75Ω/CVBS)(For debugging only) On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB	· -	
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Image EnhancementBLC, HLC, 3D DNR, Defog, EIS, Distortion CorrectionImage Parameters SwitchYesImage SettingsRotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browserSNR≥52 dBInterfaceAlarm2 input, 2 outputs (max. 24 VDC, 1 A)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, mono soundRS-485With -Y: 1 RS-485(half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)Video Output1 Vp-p Composite Output(75Ω/CVBS)(For debugging only)On-board StorageBuilt-in micro SD/SDHC/SDXC slot, up to 256 GB	Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Image Parameters SwitchYesImage SettingsRotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browserSNR≥52 dBInterfaceAlarm2 input, 2 outputs (max. 24 VDC, 1 A)Audio1 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, mono soundRS-485With -Y: 1 RS-485(half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)Video Output1 Vp-p Composite Output(75Ω/CVBS)(For debugging only)On-board StorageBuilt-in micro SD/SDHC/SDXC slot, up to 256 GB	Image Enhancement	
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Video Output1 Vp-p Composite Output(75Ω/CVBS)(For debugging only)On-board StorageBuilt-in micro SD/SDHC/SDXC slot, up to 256 GB		1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance: 4.7 K Ω , 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,
Video Output1 Vp-p Composite Output(75Ω/CVBS)(For debugging only)On-board StorageBuilt-in micro SD/SDHC/SDXC slot, up to 256 GB	RS-485	With -Y: 1 RS-485(half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
On-board Storage Built-in micro SD/SDHC/SDXC slot, up to 256 GB	Video Output	
	On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
	Hardware Reset	Yes



Communication Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port
Power Output	With -Y: 12 VDC, max. 200 mA (supported by all power supply types)
Heater	Yes
Wiegand	With -Y: 1 wiegand(CardID 26bit, SHA-1 26bit, Hik 34bit)
Smart Feature-Set	
Basic Event	Motion detection, video tampering alarm, vibration detection, exception (network
	disconnected, IP address conflict, illegal login, HDD full, HDD error)
	Line crossing detection, up to 4 lines configurable
	Intrusion detection, up to 4 regions configurable
	Region entrance detection, up to 4 regions configurable
Smart Event	Region exiting detection, up to 4 regions configurable
	Unattended baggage detection, up to 4 regions configurable
	Object removal detection, up to 4 regions configurable
	Scene change detection, audio exception detection, defocus detection
Counting	Yes
Intelligent (Deep Learning Algo	
	Line crossing, intrusion, region entrance, region exiting
	Support alarm triggering by specified target types (human and vehicle)
Premier Protection	Filtering out mistaken alarm caused by target types such as leaf, light, animal, and fla
	etc.
	Blocklist and allowlist: up to 10000 records
Road Traffic and Vehicle	Captures vehicle that has no license plate
Detection	Support license plate recognition of motorcycles (only in checkpoint scenario)
	Support vehicle attribute detection, including vehicle type, color, brand, etc. (City
	Street mode is recommended.)
General	
	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm
	output, trigger recording, trigger capture
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record
	Trigger captured pictures uploading: FTP, SFTP, HTTP, NAS, Email
	Trigger notification: HTTP, ISAPI, alarm output, Email
Online Upgrade	Yes
Dual Backup	Yes
Firmware Version	V5.5.130
	33 languages
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slova
Web Client Language	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
Consent Franchica	Anti- flicker, 5 streams and up to 5 custom streams, EPTZ, heartbeat, mirror, privacy
General Function	made field to account each in a mail about a mater
General FullCliOII	masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
Software Reset	
Software Reset Storage Conditions	Yes -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Software Reset	Yes
Software Reset Storage Conditions Startup and Operating Conditions	Yes -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Software Reset Storage Conditions Startup and Operating	Yes -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Software Reset Storage Conditions Startup and Operating Conditions Power Supply	Yes -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing) 12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at,
Software Reset Storage Conditions Startup and Operating Conditions	Yes -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing) 12 VDC ± 20%, three-core terminal block, reverse polarity protection; PoE: 802.3at, Type 2 Class 4



Material	Aluminum alloy body
Camera Dimension	Without -Y: Ø144 × 347 mm (Ø5.7" × 13.7")
	With -Y: Ø140 × 351 mm (Ø5.5" × 13.8")
Package Dimension	405 × 190 × 180 mm (15.9" × 7.5" × 7.1")
Camera Weight	1920 g (4.2 lb.)
With Package Weight	3060 g (6.7 lb.)
Metadata	
	Metadata of intrusion detection, line crossing detection, region entrance detection,
Metadata	region exiting detection, unattended baggage detection, object removal are
	supported.
Approval	
Class	Class B
	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN
EMC	61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC
	(ICES-003: Issue 6, 2016); 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); BIS (IS 13252(Part
	1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IK10 (IEC 62262:2002), IP67 (IEC 60529-2013)
Anti-Corrosion Protection	With -Y: NEMA 4X(NEMA 250-2018)
Other	With -Y: PVC FREE

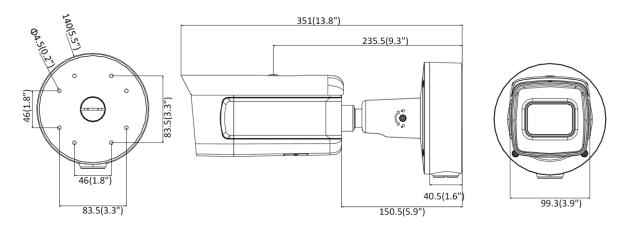
Available Model

iDS-2CD7A46G0/P-IZHS (2.8 to 12 mm), iDS-2CD7A46G0/P-IZHS (8 to 32 mm), iDS-2CD7A46G0/P-IZHSY (2.8 to 12 mm), iDS-2CD7A46G0/P-IZHSY (8 to 32 mm)

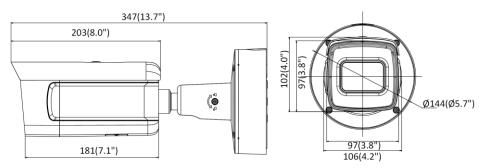


Dimension

-Y model:



Without -Y model:



Unit: mm(inch)

Accessory

-Y model:



DS-1476ZJ-Y Corner Mount

5ZJ-Y DS-1475ZJ-Y

Without -Y model:



DS-1475ZJ-SUS Vertical Pole Mount



Vertical Pole Mount

DS-1476ZJ-SUS Corner Mount



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Diotribated by

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