DS-2CD2H46G2-IZS
4 MP AcuSense EXIR Motorized Varifocal Turret Network Camera

- High quality imaging with 4 MP resolution
- Motorized Varifocal lens for easy installation and monitoring
- Excellent low-light performance with powered-by-DarkFighter technology
- Focusing on human and vehicle classification based on deep learning
- Clear imaging against strong back light due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant IP66 and vandal proof IK10

▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Day & Night	ICR Cut
Slow Shutter	Yes
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 360°
P/N	P/N
Wide Dynamic Range	120 dB
Power-off Memory	Yes
Lens	
Lens Type & FOV	2.8 to 12 mm, horizontal FOV 108° to 32.8°, vertical FOV 56° to 18.5°, diagonal FOV 131° to 37.8°
Aperture	F1.4
Lens Mount	Ø14
Aperture Type	Fixed
Focus	Auto
Illuminator	
IR Range	Up to 40 m
Wavelength	850 nm
Smart Supplement Light	Yes
Supplement Light	IR
Video	
Max. Resolution	2592 × 1944
Main Stream	50Hz: 20 fps (2592 × 1944) 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2592 × 1944) 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)
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
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	BaseLine Profile / Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main Stream supports
H.265+	Main Stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	Yes
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
Environment Noise Filtering	Yes

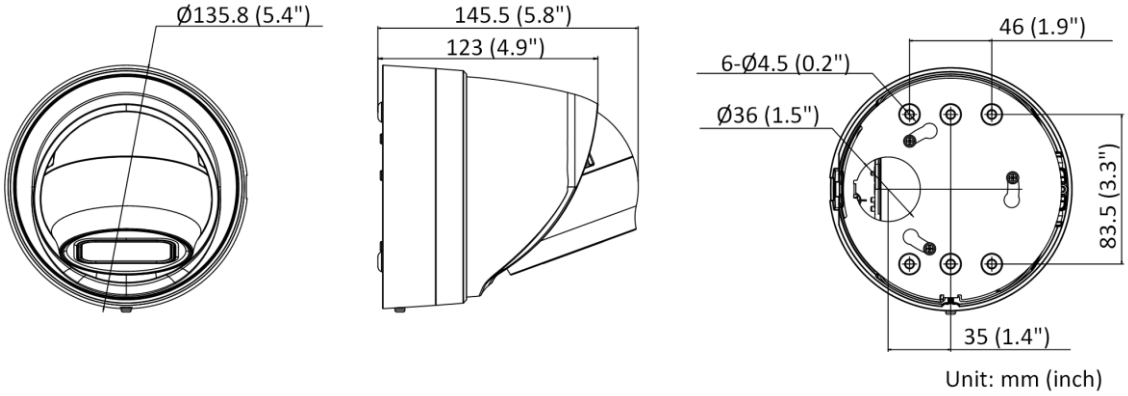
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	64Kbps(G.711 ulaw)/64Kbps(G.711 alaw)/16Kbps(G.722.1)/16Kbps(G.726)/32 to 192 Kbps(MP2L2)/ 8 to 320Kbps(MP3)/16 to 64Kbps(AAC)
Network	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Porfile S, Profile G), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	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: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Image	
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate, mirror, privacy masks, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
SNR	≥ 52 dB
Interface	
Alarm	1 input, 1 output (max. 24 VDC/24 VAC @500 mA)
Audio	1 input (line in), 3.5 mm connector, three-contact, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, three-contact, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
On-board Storage	Built-in micro SD slot, up to 256 GB
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Smart Feature-Set	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Scene change detection
Intelligent (Deep Learning Algorithm)	
Face Capture	Yes
Premier Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection

General	
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Class 3
Power Consumption and Current	12 VDC, 0.92 A, max. 11 W PoE: (802.3af, 36 V to 57 V), 0.35 A to 0.22A, max. 12.5 W
Power Interface	Two-core terminal block
Material	Metal
Camera Dimension	Ø135.8 × 145.5 mm (Ø5.4" × 5.8")
Package Dimension	170 × 170 × 205 mm (6.7" × 6.7" × 8.1")
Camera Weight	Approx. 1160 g (2.6 lb.)
With Package Weight	Approx. 1515 g (3.3 lb.)
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, trigger record, trigger capture, send email, audible warning, trigger alarm output, trigger alarm input
Web Client Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-flicker, heartbeat, password reset via e-mail, pixel counter
Software Reset	Yes
Firmware Version	V5.5.135
Approval	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); 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	IP66 (IEC 60529-2013), IK10(IEC 62262:2002)

▪ Available Model

DS-2CD2H46G2-IZS (2.8 to 12 mm)

▪ Dimension



Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1273ZJ-135 Wall Mount

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