DS-2CD6D84G3-IZHS(/NFC)
4-Directional Multisensor Network Camera





- 4 adjustable lenses in one camera cover up to 360° field of view, ensuring no blind area monitoring and the monitoring tilt angle can be adjusted
- Each lens up to 8 MP, capturing clear images, and more details can be displayed on video wall
- Clear imaging against strong back light due to 120 dB true WDR technology
- Water and dust resistant (IP67) and vandal proof (IK10)
- Human and vehicle target classification based on deep learning for up to 4 channels
- Unique PTRZ capability for efficient installation
- Audio and alarm interface available

▪ Specification

Model		DS-2CD6D84G3-IZHS(/NFC)
Camera	Image Sensor	4 sensors, 1/2.7" Progressive Scan CMOS
	Max. Resolution	3840 × 2160
	Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON),B/W: 0.001 Lux @ (F1.2, AGC ON),0 Lux with light
	Shutter Time	1 s to 1/100,000 s
	Day & Night	IR cut filter
	Angle Adjustment	Remote adjustment (Max. 400 cycles) Pan: 0° to 350°,tilt: 17° to 105°,rotate: -90° to 90°
Lens	Lens Type	Varifocal lens, motorized lens, 3 to 7.5 mm
	Focal Length & FOV	3 to 7.5 mm, horizontal FOV 113.6° to 44.3°, vertical FOV 59.6° to 24.9°, diagonal FOV 137.8° to 50.9°
	Lens Mount	Integrated
	Focus	Auto,Semi-auto,Manual
	Aperture	F1.79
DORI	OODPCVS	Wide: Overview: 106 m, Outline: 53 m, Discern: 26.5 m, Perceive: 17 m, Characterize: 8.5 m, Validate: 4.2 m, Scrutinize: 1.4 m . Tele: Overview: 247.3 m, Outline: 123.7 m, Discern: 61.8 m, Perceive: 39.6 m, Characterize: 19.8 m, Validate: 9.9 m, Scrutinize: 3.3 m . The OODPCVS values are calculated using pixel densities for different use cases as recommended by the IEC/EN 62676-4: 2025 standard. IEC 62676-4:2025 describes the planning, design, installation, testing, commissioning, and maintaining of video surveillance systems (VSS) comprising image capture device(s), interconnection(s) and image handling device(s), for use in security applications within private or public spaces.
Illuminator	Supplement Light Type	IR
	Supplement Light Range	Up to 30 m
	IR Wavelength	850 nm
Video	Main Stream	channel1： 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) channel2： 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) channel3： 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) channel4： 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	channel1： 50 Hz:25 fps(704 × 576,640 × 480)

		60 Hz:30 fps(704 × 480,640 × 480) channel2： 50 Hz:25 fps(704 × 576,640 × 480) 60 Hz:30 fps(704 × 480,640 × 480) channel3： 50 Hz:25 fps(704 × 576,640 × 480) 60 Hz:30 fps(704 × 480,640 × 480) channel4： 50 Hz:25 fps(704 × 576,640 × 480) 60 Hz:30 fps(704 × 480,640 × 480)
	Third Stream	channel1： 50 Hz:25 fps(1920 × 1080,1280 × 720,704 × 576,640 × 480) 60 Hz:30 fps(1920 × 1080,1280 × 720,704 × 480,640 × 480) channel2： 50 Hz:25 fps(1920 × 1080,1280 × 720,704 × 576,640 × 480) 60 Hz:30 fps(1920 × 1080,1280 × 720,704 × 480,640 × 480) channel3： 50 Hz:25 fps(1920 × 1080,1280 × 720,704 × 576,640 × 480) 60 Hz:30 fps(1920 × 1080,1280 × 720,704 × 480,640 × 480) channel4： 50 Hz:25 fps(1920 × 1080,1280 × 720,704 × 576,640 × 480) 60 Hz:30 fps(1920 × 1080,1280 × 720,704 × 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
	Video Bit Rate	32 Kbps to 16 Mbps
	H.264 Type	Baseline Profile,Main Profile,High Profile
	H.265 Type	Main Profile
	Scalable Video Coding (SVC)	H.264 and H.265 encoding
	Region of Interest (ROI)	4 fixed regions for each stream
	Target Cropping	Yes
Audio	Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
	Audio Bit Rate	16 Kbps(G.722.1)/64 Kbps (G.711ulaw/G.711alaw)/16~64 Kbps(AAC-LC)/8~320 Kbps(MP3)/16 Kbps(G.726)/32~192 Kbps(MP2L2)
	Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
	Environment Noise Filtering	Yes
Network	Protocols	IPv6,UDP,RTP,SSL/TLS,TCP/IP,ICMP,DDNS,DHCP,RTCP,DNS,IPv4,QoS,RTSP,HTTP,IGMP,802.1X, UPnP,SMTP,WebSockets,PPPoE,HTTPS,SFTP,NTP,SNMP,WebSocket,FTP
	Simultaneous Live View	Up to 20 channels

	API	ISAPI,EZVIZ,Open Network Video Interface,ISUP,OTAP,SDK
	User/Host	Up to 32 users 3 user levels: administrator, operator, and user
	Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface
	Network Storage	NAS (NFS, SMB/CIFS)
	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+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	Image Settings	sharpness,contrast,brightness,saturation,white balance,gain,adjustable by client software or web browser
	Day/Night Switch	Schedule,Night,Auto,Day
	Wide Dynamic Range (WDR)	120 dB
	SNR	≥ 52 dB
	Image Stabilization	EIS
	Image Enhancement	HLC,BLC,3D DNR
	Privacy Mask	8 programmable polygon privacy masks
	Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Interface	Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
	On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 1 TB
	Audio	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
	Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)
	RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
	Reset Key	Yes
	Fiber Optical	/NFC: 1 FC fiber optical interface, SFP module, single mode, 20 km transmission distance, 1310 nm (TX) and 1550 nm (RX), 1250 Mbps transmission rate
Event	Basic Event	Motion detection,video tampering alarm,network disconnected,IP address conflict,illegal login,HDD full,HDD error
	Smart Event	scene change detection,defocus detection,audio exception detection
	Linkage	audible warning,notify surveillance center,trigger alarm output,Upload to FTP/NAS/memory card,trigger recording,send email
Deep Learning	Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)

Function	Multi-target-type Detection	Supports simultaneous detection and capture of human body, face, vehicle,andnon-motor vehicle, Supports license plate recognition, Supports counting the number of line crossing targets by type, including human body, non-motor vehicle, motor vehicle
	Face Capture	Detects up to 120 faces simultaneously, captures up to 40 face pictures per frame simultaneously and uploads up to 10 face pictures per second
General	Power	3-core terminal block,12 VDC ± 20%, 3.3 A, max. 40 W, PoE: Hi-PoE: 42.5 VDC to 57 VDC, 1.05 A to 0.78 A, max. 45W
	Dimension	Ø290 mm × 147.85 mm (Ø11.42" × 5.8")
	Package Dimension	453 mm × 393 mm × 385 mm (17.8" × 15.47" × 15.16")
	Weight	Approx. 4.7 kg (10.36 lb.)
	With Package Weight	Approx. 8.0 kg (17.63 lb.)
	Storage Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
	Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
	Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
	General Function	Heartbeat,flash log,password reset via email,pixel counter,password protection,one-key reset,anti-banding
Approval	EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 50121-4: 2016+A1:2019, RCM: AS/NZS CISPR 32: 2015
	Safety	CB: IEC 62368-1:2014+A11, CE-LVD: EN 62368-1:2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1:2005
	Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
	Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002
	Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

▪ Typical Application

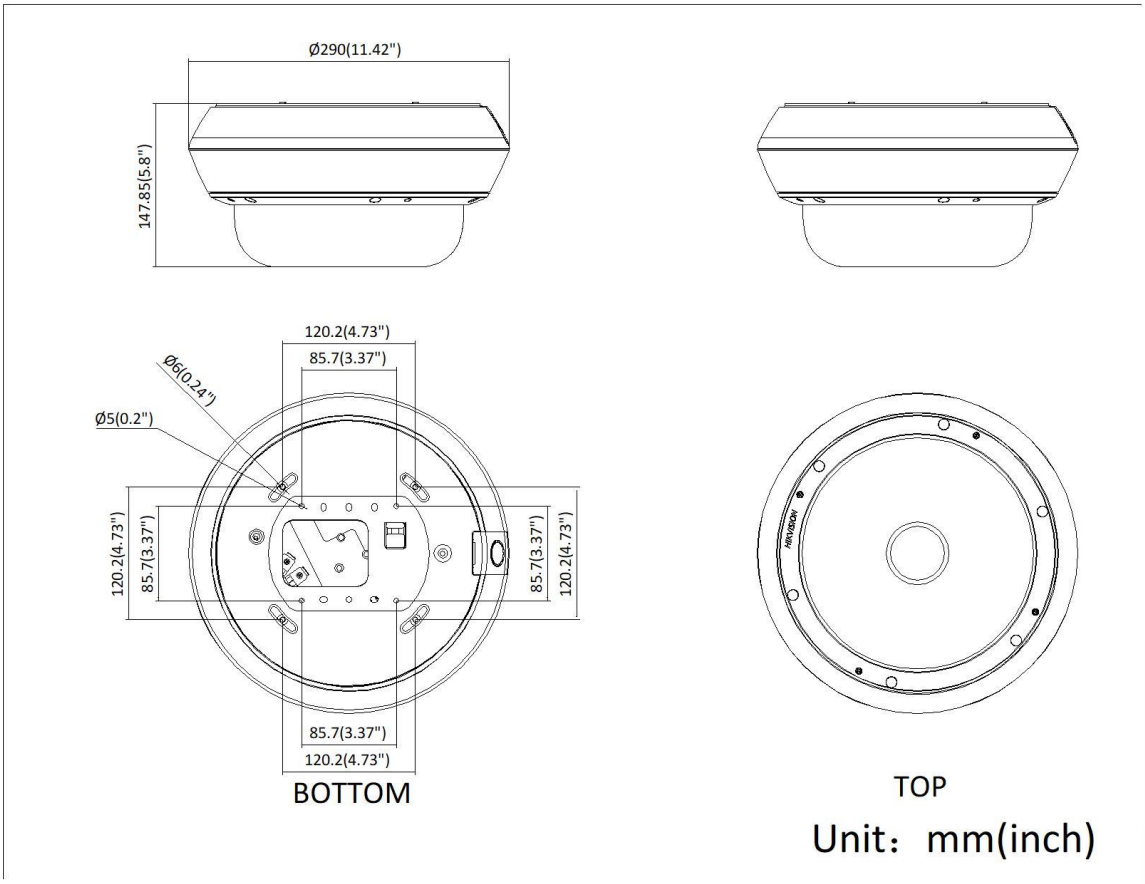
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has MODERATE 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.

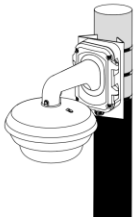
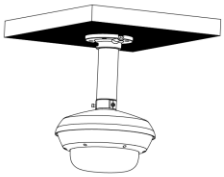
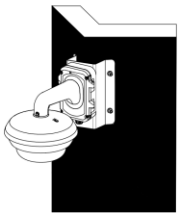
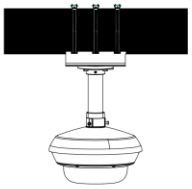
▪ Dimension



▪ Accessory

▪ Optional

DS-1602ZJ-BOX-POLE **Vertical pole mount**	**DS-1602ZJ** **Wall mount**	**DS-1661ZJ** **Pendant Mount**	**DS-1602ZJ-BOX-CORNER** **Corner mount**	**DS-1673ZJ** **Horizontal pole mount**

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