

DS-2CD3321G2-LIUF(/AB)**2 MP Smart Hybrid Light Motion 2.0 Fixed Turret Network Camera**

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 2 MP resolution
- Efficient H.265+ compression technology to save bandwidth and storage
- Smart Hybrid Light: advanced technology with long range
- Clear imaging against strong backlight due to 120dB WDR technology
- 3D DNR technology delivers clean and sharp images
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67)

▪ Specification

Model		DS-2CD3321G2-LIUF(/AB)
Camera	Image Sensor	1/2.7" Progressive Scan CMOS
	Max. Resolution	1920 × 1080
	Shutter Time	1/3 s to 1/100,000 s
	Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
	Day & Night	IR cut filter
	Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	Lens Type	Fixed focal lens, 2.8 and 4 mm optional
	Focal Length & FOV	2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 133° 4 mm, horizontal FOV 91°, vertical FOV 46°, diagonal FOV 109°
	Lens Mount	M12
	Iris Type	Fixed
	Aperture	F1.6
DORI	DORI	2.8 mm, D: 43 m, O: 17 m, R: 9 m, I: 5 m 4 mm, D: 53 m, O: 21 m, R: 11 m, I: 6 m
Illuminator	Supplement Light Type	IR, White Light
	Supplement Light Range	Up to 30 m
	Smart Supplement Light	Yes
	IR Wavelength	850 nm
	Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Video	Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
	Third Stream	50 Hz: 1 fps (640 × 360) 60 Hz: 1 fps (640 × 360)
	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 8 Mbps
	H.264 Type	Baseline Profile, Main Profile, High Profile
	H.265 Type	Main Profile
	Bit Rate Control	CBR, VBR
	Region of Interest (ROI)	1 fixed region for main stream and sub-stream
	Audio Type	Mono sound
	Environment	Yes

	Noise Filtering	
	Audio Sampling Rate	8 kHz/16 kHz
	Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC
	Audio Bit Rate	64 Kbps (G.711ulaw)/64 Kbps (G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)
Network	Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
	Simultaneous Live View	Up to 6 channels
	API	Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK
	Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP, HTTPS, DDNS, UPnP, 802.1X
	User/Host	Up to 32 users 3 user levels: administrator, operator, and user
	Client	iVMS-4200, Hik-Connect
	Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+
Image	Wide Dynamic Range (WDR)	120 dB
	SNR	≥ 52 dB
	Day/Night Switch	Day, Night, Auto, Schedule
	Image Enhancement	BLC, HLC, 3D DNR
	Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
	Privacy Mask	4 programmable polygon privacy masks
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 512 GB
	Built-in Microphone	Yes
	Reset Key	Yes
Event	Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
	Smart Event	Line crossing detection, intrusion detection
	Linkage	Upload to FTP/memory card, send email, notify surveillance center, trigger recording, trigger capture
General	Power	12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8 W

●	Material	Cover: Plastic, main body: Metal
	Dimension	Ø110 mm × 89.2 mm (Ø4.33" × 3.51")
	Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
	Weight	Approx. 360 g (0.8 lb.)
	With Package Weight	Approx. 586 g (1.3 lb.)
	Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
	Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
	Language	English, Turkish, Polish, Romanian, Czech, Slovak, Traditional Chinese, Thai, Vietnamese, Croatian, Slovenian, Serbian, Ukrainian
	General Function	Heartbeat,anti-banding,mirror,password reset via email,pixel counter,password protection
	EMC	FCC: 47 CFR Part 15, Subpart B, IC: ICES-003: Issue 7

Approval

EMC	FCC: 47 CFR Part 15, Subpart B, IC: ICES-003: Issue 7
Safety	UL: UL 62368-1, CB: IEC 62368-1:2014+A11, CE-LVD: EN 62368-1:2014/A11:2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1:2005
Environment	CE-RoHS: 2011/65/EU
Protection	IP67: IEC 60529-2013

▪ Typical Application

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

This model has NO SPECIFIC PROTECTION.

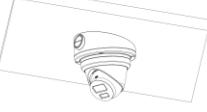
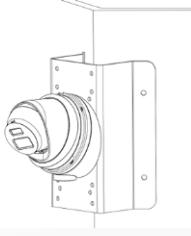
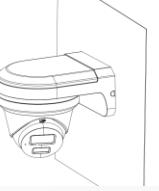
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Available Model

DS-2CD3321G2-LIUF(2.8mm)(India)
 DS-2CD3321G2-LIUF(4mm)
 DS-2CD3321G2-LIUF(4mm)(India)
 DS-2CD3321G2-LIUF/AB(4mm)
 DS-2CD3321G2-LIUF/AB(2.8mm)
 DS-2CD3321G2-LIUF(2.8mm)
 DS-2CD3321G2-LIUF(2.8mm)(India-L)
 DS-2CD3321G2-LIUF(4mm)(India-L)

▪ Accessory

▪ Optional

DS-1275ZJ-SUS Vertical pole mount	DS-1272ZJ-110-TRS Wall mount	DS-1281ZJ-S Inclined ceiling mount	DS-1275ZJ-S-SUS Vertical pole mount	DS-1280ZJ-TR13 Junction box
				
				
DS-220AZJ-130-WA Wall mount	DS-1271ZJ-110-TRS DS-1271ZJ-110-TRS	DS-1276ZJ-SUS Corner mount	DS-220AZJ-145-WA Wall mount	DS-1280ZJ-S Junction box
				
				

See Far, Go Further



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