

DS-2CD2H123G2-LIZS2UY**12MP Acusense Smart Hybrid Light Motorized Varifocal Turret Network Camera**

- UHD: Ultra High Definition delivers lifelike immersion
- Motorized varifocal lens for easy installation and monitoring
- Smart Hybrid Light: Integrates IR and white lights, 3 supplemental lighting modes
- Person and vehicle classification based on deep learning
- Crystal-clear audio with Built-in Arrayed Dual-Mic
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal-resistant (IK10)
- Anti-corrosion design, providing reliability and longevity compared to standard (NEMA 4X)

▪ Specification

Model		DS-2CD2H123G2-L1ZS2UY
Camera	Image Sensor	1/1.8" Progressive Scan CMOS
	Max. Resolution	4608 × 2592
	Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
	Shutter Time	1 s to 1/100,000 s
	Day & Night	IR cut filter
	Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm
	Focal Length & FOV	horizontal FOV 102° to 44°, vertical FOV 54° to 25°, diagonal FOV 123° to 51°
	Lens Mount	Integrated
	Iris Type	Fixed
	Aperture	Max. F1.2
DORI	DORI	Wide: D: 66.6 m, O: 26.4 m, R: 13.3 m, I: 6.7 m Tele: D: 79.2 m, O: 31.4 m, R: 15.8 m, I: 7.9 m
Illuminator	Supplement Light Type	IR, White Light
	Supplement Light Range	Up to 40 m
	Smart Supplement Light	Yes
	IR Wavelength	850 nm
Video	Main Stream	50Hz: 20fps(4608 × 2592) 25fps(3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 20fps(4608 × 2592) 30fps(3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720)
	Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
	Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
	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, *Third stream is supported under certain settings.
	Video Bit Rate	32 Kbps to 20 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
	Bit Rate Control	CBR,VBR
	Region of Interest (ROI)	1 fixed region for main stream
	Target Cropping	Yes
Audio	Audio Type	-2U: Mono sound
	Audio Compression	-2U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
	Audio Bit Rate	-2U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)
	Audio Sampling Rate	-2U: 8 kHz/16 kHz/32 kHz/48 kHz
	Environment Noise Filtering	-2U: Yes
Network	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets, SRTP, SFTP
	Simultaneous Live View	Up to 6 channels
	API	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
	Security	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 1.1/1.2/1.3, host authentication (MAC address)
	User/Host	Up to 32 users 3 user levels: administrator, operator, and user
	Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
	Client	iVMS-4200, Hik-Connect, Hik-Central
	Web Browser	Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Local service: Chrome 80+, Firefox 80+, Edge 89+
Image	Image Parameters Switch	Yes
	Image Settings	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
	SNR	≥ 52 dB
	Image	BLC, HLC, 3D DNR, Distortion Correction, Defog

	Enhancement	
	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
	Audio	Built-in Microphone: Arrayed dual-microphone 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
	Alarm	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)
	Reset Key	Yes
Event	Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
	Smart Event	Scene change detection
	Linkage	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email
Deep Learning Function	Face Capture	Yes
	Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
General	Power	12 VDC ± 25%, 1 A, max. 12 W, 2-core terminal block, reverse polarity protection, PoE: IEEE 802.3at, Class 4, max. 15 W
	Material	Metal
	Dimension	Ø138.6 mm × 123 mm (Ø5.4" × 4.8")
	Package Dimension	170 mm × 170 mm × 160 mm (6.7" × 6.7" × 6.3")
	Weight	Approx. 860 g (1.9 lb.)
	With Package Weight	Approx. 1140 g (2.5 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	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
Approval	General Function	Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding
	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
	Safety	CB: IEC 62368-1:2014+A11, CE-LVD: EN 62368-1:2014/A11:2017

	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.

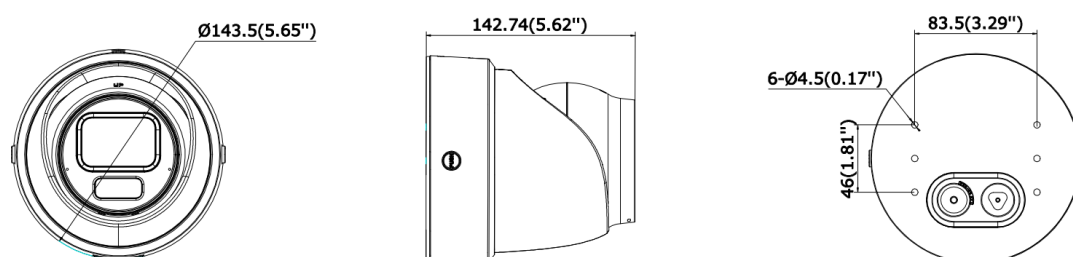
This model has MODERATE PROTECTION.

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.

▪ Available Model

DS-2CD2H123G2-LIZS2UY(2.8-12mm)

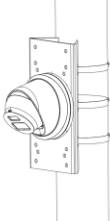
▪ Dimension



Unit: mm(inch)

▪ Accessory

▪ Optional

DS-1273ZJ-140B-Y Wall mount	DS-1476ZJ-SUS Corner mount	DS-1273ZJ-140-Y Wall mount	DS-1271ZJ-140-Y Pendant Mount	DS-1475ZJ-SUS Vertical pole mount
				
				

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