

DS-2CD1023G2-LIU(F) 2 MP Fixed Bullet Network Camera













- High quality imaging with 2 MP resolution
- Support Human and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Built-in microphone for real-time audio security
- Efficient H.265+ compression technology
- Support on-board storage up to 512 GB (SD card slot) (Optional)
- Water and dust resistant (IP67)



SpecificationCamera

Camera	
Image Sensor	1/2.9" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 103°, vertical FOV 56°, diagonal FOV 121°
	4 mm, horizontal FOV 83°, vertical FOV 44°, diagonal FOV 99°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
DORI	
DORI	2.8 mm, D: 45 m, O: 18 m, R: 9 m, I: 4 m
DORI	4 mm, D: 56 m, O: 22 m, R: 11 m, I: 5 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720)
Main Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360)
Sub-Stream	60 Hz: 30 fps (640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264,
video compression	Sub-stream: H.265/H.264/MJPEG
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
Audio	
Audio Type	Mono sound
Environment Noise Filtering	Yes
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.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to
Audio bit Kate	160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)
Network	
	Description of the second section of the second disease
	Password protection, complicated password, watermark, basic and digest
Security	authentication for HTTP, WSSE and digest authentication for Open Network Video



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Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile T, Profile G (only -F model supports)),
	ISAPI, SDK
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS,
	FTP, SMTP
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)	Digital WDR
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,
mage settings	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	-F: Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512
On-Board Storage	GB
Built-in Microphone	Yes
Reset Key	-F: Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and
Dasic Everit	vehicle)), video tampering alarm, exception
	Upload to FTP/memory card (-F), send email, notify surveillance center, trigger
Linkage	recording (-F), trigger capture
General	
	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity
Power	protection,
	PoE: IEEE 802.3af, Class 3, max. 6.5 W
Material	Metal & Plastic
Dimension	170.8 mm × 66 mm × 69.1 mm (6.7" × 2.6" × 2.7")
Package Dimension	216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")
Weight	
VVCIBIIL	Approx. 265 g (0.6 lb.)
With Package Weight	Approx. 265 g (0.6 lb.) Approx. 495 g (1.1 lb.)
With Package Weight	Approx. 495 g (1.1 lb.) -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
With Package Weight Storage Conditions	Approx. 495 g (1.1 lb.)
With Package Weight Storage Conditions Startup and Operating	Approx. 495 g (1.1 lb.) -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)



Approval	
EMC	FCC: 47 CFR Part 15, Subpart B,
	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN
	50130-4: 2011 +A1: 2014,
	RCM: AS/NZS CISPR 32: 2015,
	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,
	WEEE: 2012/19/EU,
	Reach: Regulation (EC) No 1907/2006
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.

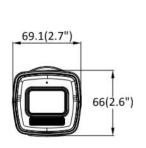
This model has NO SPECIFIC PROTECTION.

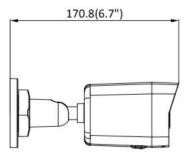
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti- corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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.

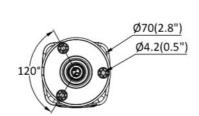
Available Model

DS-2CD1023G2-LIU (2.8/4 mm) DS-2CD1023G2-LIUF (2.8/4 mm)

Dimension







Unit: mm (inch)



- Accessory
- Optional



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