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



- High quality imaging with 2 MP resolution
- Support Human and Vehicle Detection
- Smart Dual-Light: advanced technology with long range
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67)
- Efficient H.265+ compression technology
- Support on-board storage up to 256 GB (SD card slot) (Optional)

▪ Specification

Camera		
Image Sensor	2.4	1/2.9" Progressive Scan CMOS
Max. Resolution	2.1	1920 × 1080
Min. Illumination	2.3	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 4 mm, D: 56 m, O: 22 m, R: 11 m, I: 5 m
Illuminator		
Supplement Light Type		IR, White Light
Supplement Light Range		IR: up to 30 m White Light: up to 20 m
Smart Supplement Light		Yes
IR Wavelength		850 nm
Video		
Main Stream	2.2	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	2.7	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Video Compression		Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate		32 Kbps to 8 Mbps
H.264 Type	2.8	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 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)

Network	
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
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, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP 2.13 2.9
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 2.6
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 2.10	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 256 GB
Built-in Microphone	Yes
Reset Key	-F: Yes
Event	
Basic Event 2.5	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Linkage	Upload to FTP/memory card (-F), send email, notify surveillance center, trigger recording (-F), trigger capture
General	
Power 2.10	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity 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	Approx. 265 g (0.6 lb.)
With Package Weight	Approx. 495 g (1.1 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions 2.12	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English, Ukrainian

General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email
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 2.11	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.

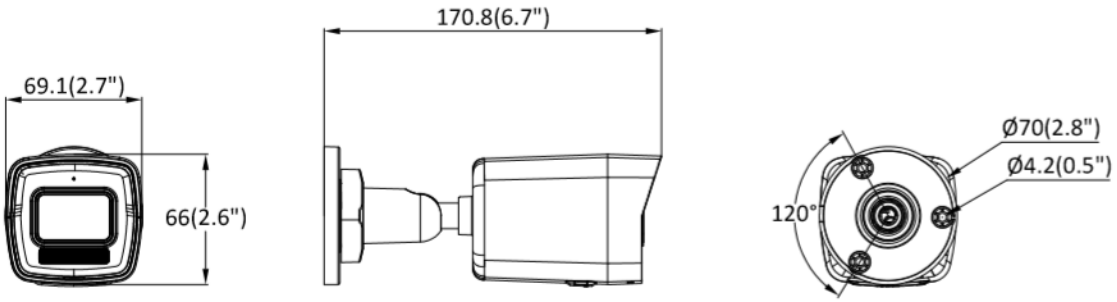
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped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

DS-1280ZJ-XS Junction Box


Headquarters
No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
www.hikvision.com

Follow us on social media to get the latest product and solution information.

Hikvision HikvisionHQ HikvisionHQ Hikvision_Global Hikvision Corporate Channel hikvisionhq

©Hikvision Digital Technology Co., Ltd. 2022 I Data subject to change without notice I