DS-2CD1023G0-IU
2 MP IR Fixed Bullet Network Camera

- 1/2.8" Progressive Scan CMOS
- 1920 × 1080@30fps
- 2.8/4 mm fixed lens
- Color: 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
- H.265+/H.265/H.264+/H.264
- BLC/3D DNR/ROI
- IR range: Up to 30 m
- 3-Axis adjustment
- IP66
- Built-in microphone

Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
WDR	DWDR
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360°
Lens	
Lens Type	Fixed lens, 2.8/4 mm
Aperture	F2.0
FOV	2.8mm: Horizontal FOV: 114°, vertical FOV: 62°, diagonal FOV: 135° 4 mm: Horizontal FOV: 86°, vertical FOV: 46°, diagonal FOV: 102°
Lens Mount	M12
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 8 Mbps
Audio(-U)	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Smart Feature-Set	
Basic Event	Motion detection, video tampering alarm, exception (illegal login)
Linkage Method	Upload to FTP, notify surveillance center, send email, trigger capture
Region of Interest	1 fixed region for main stream and sub-stream
Image	
Image Enhancement	BLC, 3D DNR
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser

Day/Night Switch	Day/Night/Auto/Schedule
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
API	ONVIF (PROFILE S, PROFILE G), ISAPI, SDK
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users, 3 levels: administrator, operator and user
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11
Interface	
Communication Interface	1 RJ45 self-adaptive Ethernet port
Audio	1 audio input (built-in microphone), mono sound
Interface Style	Pigtail style interface
General	
Firmware Version	5.5.83
General Function	One-key reset, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Reset	Reset via web browser and client software
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, Φ 5.5 mm coaxial power plug; PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.4 A, max. 5 W PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 6.5 W
Material	Front cover: metal, back cover : plastic
Dimensions	Camera: 67.8 × 66.2 × 177.6 mm (2.7" × 2.6" × 7") With package: 216 × 121 × 118 mm (8.5" × 4.8" × 4.6")
Weight	Camera: Approx. 270 g (0.6 lb.) With package: Approx. 470 g (1 lb.)
Approval	
EMC	47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015
Safety	UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015, IEC/EN 60950-1
Chemistry	2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006
Protection	Ingress protection: IP66 (IEC 60529-2013)

** Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.*

Available Model

DS-2CD1023G0-IU (2.8/4 mm)

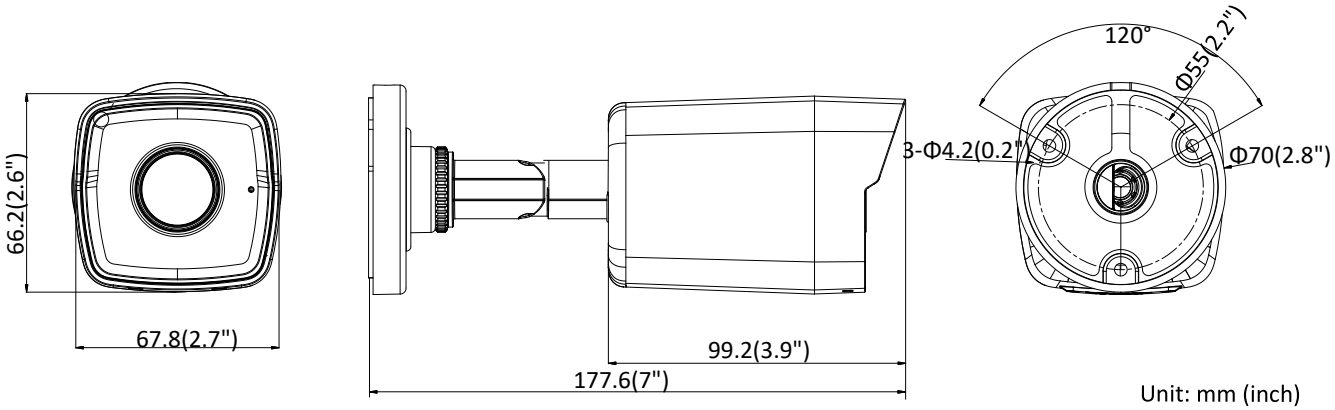
Typical Application

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.

Dimension



Unit: mm (inch)

Accessory

DS-1280ZJ-XS

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