

DS-2CD1T23G2-I(UF) 2 MP Fixed Bullet Network Camera











- High quality imaging with 2 MP resolution
- Support Human and Vehicle Detection
- Water and dustresistant (IP67)
- Efficient H.265+ compression technology
- EXIR 2.0: advanced infrared technology with long IR range
- Support on-board storage up to 256 GB (SD card slot) (Optional)
- Built-in microphone for real-time audio security (Optional)



Specification

Camera	Camera		
Image Sensor	1/2.9" Progressive Scan CMOS		
Max. Resolution	1920 × 1080		
Min. Illumination	Color: 0.01 Lux @ (F2.0, 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 180°, rotate: 0° to 360°		
Lens			
Lens Type	Fixed focal lens, 4 and 6 mm optional		
Focal Length & FOV	4 mm, horizontal FOV 81°, vertical FOV 43°, diagonal FOV 96°		
	6 mm, horizontal FOV 51°, vertical FOV 27°, diagonal FOV 60°		
Lens Mount	M12		
Iris Type	Fixed		
Aperture	F2.0		
DORI			
DORI	4 mm, D: 57 m, O: 22 m, R: 11 m, I: 5 m		
DORI	6 mm, D: 91 m, O: 36 m, R: 18 m, I: 9 m		
Illuminator			
Supplement Light Type	IR		
Supplement Light Range	Up to 50 m		
Smart Supplement Light	Yes		
IR Wavelength	850 nm		
Video			
Main Stroom	50 Hz: 25 fps (1920 × 1080, 1280 × 720)		
Main Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720)		
Sub Stroom	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	-U: Mono sound		
Environment Noise Filtering	-U: Yes		
Audio Sampling Rate	-U: 8 kHz/16 kHz		
Audio Compression	-U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC		
Audio Bit Rate	-U: 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	
	Password protection, complicated password, watermark, IP address filter, basic and
Security	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, 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)	DWDR
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
-	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance,
Image 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 25
	GB
Built-in Microphone	-U: Yes
Reset Key	-F: Yes
Event	
Dacia Event	Motion detection (support alarm triggering by specified target types (human and
Basic Event	vehicle)), video tampering alarm, exception
Linkaga	Upload to FTP/memory card (-F), send email, notify surveillance center, trigger
Linkage	recording (-F), trigger capture
General	
Dower	12 VDC ± 25%, 0.45 A, max. 5.5 W, Ø5.5 mm coaxial power plug
Power	PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W
Material	Metal & Plastic
Dimension	83.7 mm × 80.7 mm × 205.6 mm (3.3" × 3.2"× 8.1")
Package Dimension	260 mm × 125 mm × 125 mm (10.2" × 4.9" × 4.9")
Weight	-I: Approx. 560 g (1.2 lb.); -IUF: Approx. 580g (1.3 lb.)
With Package Weight	-I: Approx. 615 g (1.4 lb.); -IUF: Approx. 635 g (1.4 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating	20.95 +- 50.95 / 22.95 +- 440.95 / 11. 11. 050 / 1. /
Conditions	-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
	KC: KN32: 2015, KN35: 2015
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.

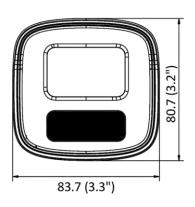
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped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

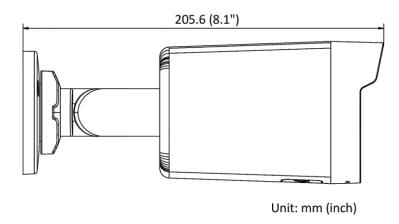
Available Model

DS-2CD1T23G2-I (4/6 mm) DS-2CD1T23G2-IUF (4/6 mm)



Dimension





- Accessory
- Optional



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