

Camera DS-2CD2123G2-IU

DS-2CD2123G2-IU 2.8mm 2mp IR 30m Mic Dome IP CAMERA HIKVISION

- High quality imaging with 2 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Built-in microphone for real-time audio security
- Focus on human and vehicle targets classification based on deep learning
- Water and dust resistant (IP67) and vandal resistant (IK10)

Type	IP
Megapixel	2 MP
Objective	Motionless
Focus	2.8 mm
Lighting	IR
Lighting distance	30 m
Microphone	Mic
Protection	IP67
Material	Metal



Detailed

Camera	
Image Sensor	1/2.8" 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 355°, tilt: 0° to 75°, rotate: 0° to 355°

Lens	
Lens Type	Fixed focallens, 2.8 and 4 mm optional
Focal Length& FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 127°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
Depth of Field	2.8 mm: 1 m to ∞
DORI	
DORI	2.8 mm: D: 44 m, O: 17 m, R: 9 m, l: 4 m
Illuminator	
Supplement LightType	IR
Supplement LightRange	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (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
Video Bit Rate	32 Kbps to 8 Mbps

H.264 Type	Baseline Profile, MainProfile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable VideoCoding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region(s) for main streamand sub-stream
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC

Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/ 16 Kbps(G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps(AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48kHz
Environment NoiseFiltering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
API	Open Network VideoInterface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Smooth Streaming	Yes
User/Host	Up to 32 users 3 user levels: administrator, operator, anduser
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 1.3, hostauthentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), AutoNetwork Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
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 Enhancement	BLC, HLC, 3D DNR
Privacy Mask	Yes
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory cardslot, support microSD card, up to 256 GB
Built-in Microphone	Yes
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by

	specified targettypes (human and vehicle)), videotampering alarm, exception
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified targettypes (human and vehicle)), Face detection

Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture
General	
Power	12 VDC \pm 25%, 0.5 A, max. 6 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection, PoE: 802.3af, Class 3, 36 V to 57 V, 0.2A to 0.15 A, max.7.5 W
Material	Body: aluminum alloy,bubble: plastic
Dimension	\varnothing 121.4 mm \times 92.2 mm (\varnothing 4.8" \times 3.6")
Package Dimension	150 mm \times 150 mm \times 141 mm (5.9" \times 5.9" \times 5.6")
Weight	Approx. 570 g (1.3 lb.)
With Package Weight	Approx. 806 g(1.8 lb.)
Storage Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C(-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less(non-condensing)
Startup and Operating Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ 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
General Function	Anti-flicker, heartbeat, mirror,privacy mask, password resetvia email, pixelcounter
Approval	

EMC	<p>FCC: 47 CFRPart 15, Subpart B,</p> <p>CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, IC: ICES-003: Issue 7,</p> <p>KC: KN32: 2015, KN35:2015</p>
Safety	<p>UL: UL 62368-1,</p> <p>CB: IEC 62368-1: 2014+A11,</p> <p>CE-LVD: EN 62368-1: 2014/A11: 2017,</p> <p>BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005</p>
Environment	<p>CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU,</p> <p>Reach: Regulation (EC) No 1907/2006</p>
Protection	<p>IP67: IEC 60529-2013, IK10: IEC 62262:2002</p>