

DS-2CD2087G2H-LI(U) 8 MP Smart Hybrid Light with ColorVu Fixed Mini Bullet Network Camera





ColorVu

- High quality imaging with 8 MP resolution
- Smart Hybrid Light: advanced technology with long range
- Clear imaging against strong back light due to 130 dB WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle classification based on deep learning
- -U: Built-in microphone for real-time audio security
- Water and dust resistant (IP67)



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Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
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 105.1°, vertical FOV 54.8°, diagonal FOV 128.2°
	4 mm, horizontal FOV 90.0°, vertical FOV 45.8°, diagonal FOV 109.4°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
	2.8 mm: 3.3 m to ∞
Depth of Field	4 mm: 3.8 m to ∞
DORI	
	2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m
DORI	4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	Up to 40 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stroom	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)
Sub-Stream	60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
	*Third stream is supported under certain settings.
	Main stream: H.265/H.264/H.264+/H.265+,
Video Compression	Sub-stream: H.265/H.264/MJPEG,
	Third stream: H.265/H.264,
	*Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 16 Mbps
Н.264 Туре	Baseline Profile, Main Profile, High Profile
Н.265 Туре	-
	Main Profile
Bit Rate Control	-
Scalable Video Coding (SVC) Region of Interest (ROI)	Main Profile



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Audio	
Audio Compression	-U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	-U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64
	Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)
Audio Sampling Rate	-U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	-U: Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP,
	SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP,
	WebSocket, WebSockets, SRTP, SFTP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
	Up to 32 users
User/Host	3 user levels: administrator, operator, and user
	Password protection, complicated password, HTTPS encryption, 802.1X authentication
	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest
Security	authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network
	Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS
	1.1/1.2/1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
Client	iVMS-4200, Hik-Connect, Hik-Central
	Plug-in required live view: IE 10, IE 11,
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,
	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
Imaga Cattings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance,
Image Settings	adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
SNR	≥ 52 dB
Wide Dynamic Range (WDR)	130 dB
Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Microphone	-U: Yes
Reset Key	Yes
Event	
De sie Freuet	Motion detection (support alarm triggering by specified target types (human and
Basic Event	vehicle)), video tampering alarm, exception
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger
	capture, send email
Smart Event	Scene change detection
Deep Learning Function	
Face Capture	Yes



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Perimeter Protection	Line crossing, intrusion, region entrance, region exiting
	Support alarm triggering by specified target types (human and vehicle)
General	
Power	12 VDC \pm 25%, 0.58 A, max. 7 W, Ø5.5 mm coaxial power plug, reverse polarity
	protection,
	PoE: IEEE 802.3af, Class 3, max. 8.5 W
Material	Front cover: Metal, body: Metal, bracket: Metal
Dimension	Ø74.4 mm × 179.2 mm (Ø2.9" × 7.1")
Package Dimension	234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")
Weight	Approx. 525 g (1.2 lb.)
With Package Weight	Approx. 750 g (1.7 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating	
Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
General Function	Heartbeat, mirror, password reset via email, pixel counter, anti-banding
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
Approval	
	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN
	50130-4: 2011 +A1: 2014,
EMC	IC: ICES-003: Issue 7,
	KC: KN32: 2015, KN35: 2015,
	RCM: AS/NZS CISPR 32: 2015
6-6-1-	UL: UL 62368-1,
	CB: IEC 62368-1: 2014+A11,
Safety	CE-LVD: EN 62368-1: 2014/A11: 2017,
	BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005
Environment	CE-RoHS: 2011/65/EU
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.

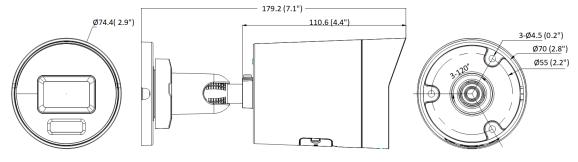
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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-2CD2087G2H-LIU(2.8mm)/Black DS-2CD2087G2H-LI(2.8mm) DS-2CD2087G2H-LI(4mm) DS-2CD2087G2H-LIU(2.8mm) DS-2CD2087G2H-LIU(4mm)

Dimension



Unit: mm (inch)

Accessory

Optional

Headquarters

in

Hikvision



HikvisionHQ



Hikvision_Global

Hikvision Corporate Channel

O hikvisionhq

HikvisionHQ