

DS-2CD2087G2H-LIU/SL 8 MP Smart Hybrid Light with ColorVu Fixed Mini Bullet Network Camera



Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- 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
- Active strobe light and audio alarm to warn intruders off
- Provide real-time security via built-in two-way audio
- Support on-board storage up to 512 GB (SD card slot)
- 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: 0.0008 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 Mount	M16
	2.8 mm, horizontal FOV 104°, vertical FOV 55°, diagonal FOV 127°
Focal Length & FOV	4 mm, horizontal FOV 93°, vertical FOV 46°, diagonal FOV 112°
	6 mm, horizontal FOV 57°, vertical FOV 30°, diagonal FOV 67°
Iris Type	Fixed
Aperture	F1.0
	2.8 mm: 3.4 m to ∞
Depth of Field	4 mm: 3.8 m to ∞
	6 mm: 8.3 m to ∞
Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional
DORI	
	2.8 mm: D: 91 m, O: 36 m, R: 18 m, I: 9 m
DORI	4 mm: D: 111 m, O: 44 m, R: 22 m, I: 11 m
	6 mm: D: 169 m, O: 67 m, R: 33 m, I: 16 m
Illuminator	
Smart Supplement Light	Yes
Supplement Light Type	IR, White Light
IR Wavelength	850 nm
Supplement Light Range	Up to 40 m
Video	
	50 Hz:
	25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Main Stream	60 Hz:
	24 fps (3840 × 2160)
	30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Cub Stucene	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)
Sub-Stream	60 Hz: 30 fps (1280 × 720, 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.265/H.264+/H.264,
	Sub-stream: H.265/H.264/MJPEG,
	Third stream: H.265/H.264,
	*Third stream is supported under certain settings.
Video Bit Rate	*Third stream is supported under certain settings.32 Kbps to 16 Mbps



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Н.265 Туре	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
	Management
Audio Type	
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/48 kHz
Environment Noise Filtering	Yes
Network	
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP,
Protocols	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
	1.2, TLS 1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
Client	iVMS-4200, Hik-Connect
	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
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)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR, Defog
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 Speaker	Max. power consumption: 1.2 W, max. sound pressure level: 10 cm: 95 dB.
Built-in Microphone	Yes, 1 built-in microphone
Reset Key	Yes
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Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	Scene change detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm
	output, trigger recording, trigger capture, audible warning, strobe light
Deep Learning Function	
Face Capture	Yes
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)
General	
Package Dimension	234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")
Material	Metal
Dimension	Ø74.4 mm × 179.2 mm (Ø2.9" × 7.1")
Power	12 VDC ± 25%, 0.7 A, max. 8.5 W, Ø5.5 mm coaxial power plug, reverse polarity
	protection,
	PoE: IEEE 802.3af, Class 3, max. 10 W
Weight	Approx. 510 g (1.1 lb.)
With Package Weight	Approx. 880 g (1.9 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Conditions	
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,
Language	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,
Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC
	61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,
	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
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.



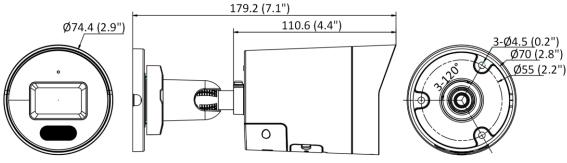


Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped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

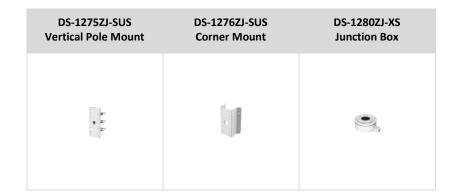
Dimension

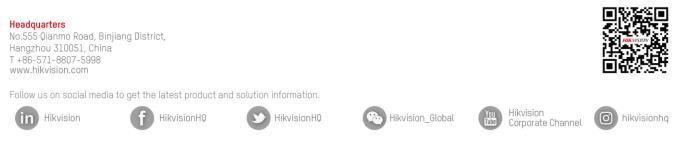


Unit: mm (inch)

Accessory

Optional





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