

DS-2CD2187G2H-LI(SU)

8 MP Smart Hybrid Light with ColorVu Fixed Mini Dome Network Camera

















- 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) and vandal-resistant (IK10)



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 355°, tilt: 0° to 75°, rotate: 0° to 355°				
Lens					
Lens Type	Fixed focal lens, 2.8 and 4 mm optional				
Facal Langth 9, FOV	2.8 mm, horizontal FOV 105.1°, vertical FOV 54.8°, diagonal FOV 128.2°				
Focal Length & FOV	4 mm, horizontal FOV 90.0°, vertical FOV 45.8°, diagonal FOV 109.4°				
Lens Mount	M16				
Iris Type	Fixed				
Aperture	F1.0				
Double of Field	2.8 mm: 3.3 m to ∞				
Depth of Field	4 mm: 3.8 m to ∞				
DORI					
DON	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 30 m				
Smart Supplement Light	Yes				
IR Wavelength	850 nm				
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)				
Sub-Stream	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				
H.264 Type	Baseline Profile, Main Profile, High Profile				
H.265 Type	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					
Audio Type	-U: Mono sound				
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				
User/Host	Up to 32 users 3 user levels: administrator, operator, and user				
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 1.1/1.2/1.3, host authentication (MAC address)				
Network Storage	NAS (NFS, SMB/CIFS), Auto Network 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+, 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				
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				
Audio	-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω , interface type: non-equilibrium				
Alarm	-S: 1 input, 1 output (max. 12 VDC, 30 mA)				
Reset Key	Yes				



Event					
Dacie Frant	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				
Darimeter Protection	Line crossing, intrusion, region entrance, region exiting				
Perimeter Protection	Support alarm triggered by specified target types (human and vehicle)				
General					
	12 VDC ± 25%, 0.66 A, max. 8 W, Ø5.5 mm coaxial power plug, reverse polarity				
Power	protection,				
	PoE: IEEE 802.3af, Class 3, max. 9.5 W				
Material	Base: aluminum alloy, cover: aluminum alloy				
Dimension	Ø121.5 mm × 97.6 mm (Ø4.78" × 3.84")				
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	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)				
Conditions					
General Function	Heartbeat, mirror, password reset via email, pixel counter, anti-banding				
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,				
Lanavara	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				
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				
	UL: UL 62368-1,				
Safety	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, IK10: IEC 62262:2002				



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.

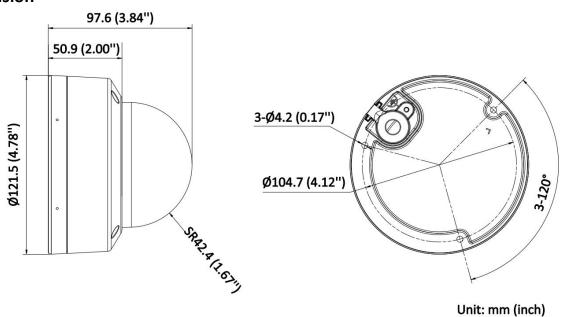
This model has NO SPECIFIC PROTECTION.

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-2CD2187G2H-LI (2.8/4 mm) DS-2CD2187G2H-LISU (2.8/4 mm)

Dimension





Accessory

Optional

DS-2210ZJ-WA-120	DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-2280ZJ-WA120	DS-1280ZJ-DM46
Pendant Mount	Vertical Pole Mount	Corner Mount	Junction Box	Junction Box
DS-1272ZJ-120	DS-1272ZJ-120B	DS-1271ZJ-120	DS-2200ZJ-WAJ-120	DS-2200ZJ-WA-120
Wall Mount	Wall Mount	Pendant Mount	Wall Mount	Wall Mount
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