

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					
Min. Illumination	3840 × 2160				
	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				
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				
Donth of Field	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 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)				
	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)				
Tima Stream	*Third stream is supported under certain settings.				
	Main stream: H.265/H.264/H.264+/H.265+,				
	Sub-stream: H.265/H.264/MJPEG,				
Video Compression					
	Third stream is supported under certain settings				
Video Bit Rate	*Third stream is supported under certain settings.				
	32 Kbps to 16 Mbps Passling Profile Main Profile High Profile				
H.264 Type	Baseline Profile, Main Profile, High Profile				
H 2CE Town	Main Profile				
H.265 Type					
Bit Rate Control	CBR, VBR				



Audio				
Audio Type	-U: Mono sound			
Audio Compression	-U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC			
Audio Compression				
Audio Bit Rate	-U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64			
Audia Camplina Data	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			
USEI/HUSL	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)			
	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR),			
Network Storage	Together with high-end Hikvision memory card, memory card encryption and health			
	detection are supported.			
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			
Lucian 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			
p	-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			
Audio	terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100Ω , interface			
	type: non-equilibrium			
Alarm	-S: 1 input, 1 output (max. 12 VDC, 30 mA)			
Reset Key				
NESEL NEY	Yes			



Event				
	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			
Perimeter 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 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			
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,			
Lanaviana	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			
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			
	CE-RoHS: 2011/65/EU,			
Environment	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.

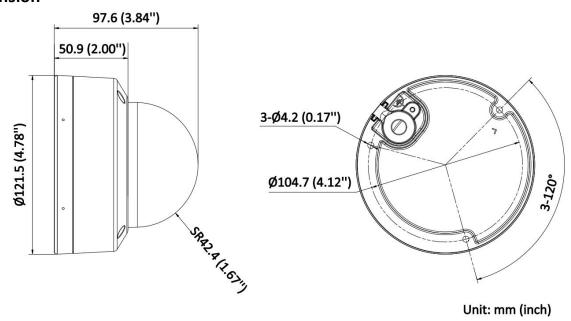
This model has NO SPECIFIC PROTECTION.

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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