



DS-2CD2387G2H-LI(U)

8 MP Smart Hybrid Light with ColorVu Fixed Turret 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)





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Specification

inge sensor1/4 Progressive Scan CMOSMax. Resolution340 × 2160Max. ResolutionColor: 0.0008 Lux @ (FL0, AGC ON), 0 Lux with lightShutter Time1/3 s to 1/100,000 sDay & NightRu cti filterAngle AdjustmentPar: 0'to 360°, tilt: 0'to 75°, rotate: 0'to 360°BarFar: 0'to 360°, tilt: 0'to 75°, rotate: 0'to 360°BarStafe focal lens, 2.8 and A mo optionalForal Length & FOV2.8 mm, horizontal FOV 93.8°, vertical FOV 47.2°, diagonal FOV 134.3°Agenton1.8 mm, horizontal FOV 93.8°, vertical FOV 47.2°, diagonal FOV 134.3°Parton8.8 mm, horizontal FOV 93.8°, vertical FOV 47.2°, diagonal FOV 134.3°Aperture1.6 CParton1.6 CAperture1.6 CParton8.8 mm: 3: a m to ∞Aperture1.6 CPorton2.8 mm: 3: a m to ∞Staff Forage2.8 mm: 3: a m to ∞Staff Forage2.8 mm: 3: a m to ∞Aperture2.8 mm: 3: a m to ∞Porton2.8 mm: 3: a m to ∞Staff Forage2.8 mm: 3: a m to ∞Staff Forage2.8 forageStaff Forage2.8 forageStaff Forage2.8 forageStaff Forage1.6 forageStaff Forage1.6 forageStaff Forage1.6 forageStaff Forage1.6 foragePorton1.6 forageStaff Forage1.6 forageStaff Forage1.6 forageStaff Forage1.6 forageStaff Forage1.6 forageStaff Forage1.6 fora	Camera					
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Supplement Light TypeIR, White LightSupplement Light RangeUp to 40 mSmart Supplement LightYesIR Wavelength850 nmVideoVideoMain Stream50 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-Stream50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz: 10 fps (1920 × 1	DORI	4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m				
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Main Stream60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)Third Stream50 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 CompressionMain stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR		50 Hz:				
124 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 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.Third StreamMain stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream: Supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain Stream: Main Profile, High ProfileBit Rate ControlCBR, VBR		25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)				
130 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 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 CompressionMain stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR	Main Stream	60 Hz:				
Sub-Stream50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 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 CompressionMain stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR		24 fps (3840 × 2160)				
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60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)Third Stream50 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 CompressionMain stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR	Cub Streem	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)				
Third Stream60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.Wideo CompressionMain stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream: H.265/H.264, *Third stream: Bupported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR	Sub-Stream	60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)				
*Third stream is supported under certain settings.Video CompressionMain stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR		50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
Video CompressionMain stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR	Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
Video CompressionSub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR		*Third stream is supported under certain settings.				
Video CompressionThird stream: H.265/H.264, *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR		Main stream: H.265/H.264/H.264+/H.265+,				
Third stream: H.265/H.264, *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR	Video Compression	Sub-stream: H.265/H.264/MJPEG,				
Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR	VIGEO COMPLESSION	Third stream: H.265/H.264,				
H.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBR		*Third stream is supported under certain settings.				
H.265 Type Main Profile Bit Rate Control CBR, VBR	Video Bit Rate	32 Kbps to 16 Mbps				
Bit Rate Control CBR, VBR	Н.264 Туре	Baseline Profile, Main Profile, High Profile				
	Н.265 Туре	Main Profile				
Scalable Video Coding (SVC) H.264 and H.265 encoding	Bit Rate Control	CBR, VBR				
	Scalable Video Coding (SVC)	H.264 and H.265 encoding				



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Region of Interest (ROI)	1 fixed region for main stream and sub-stream		
Audio			
Audio Compression	-U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC		
	-U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64		
Audio Bit Rate	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			
	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		
	1.1/1.2/1.3, 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		
	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		
Built-in Microphone	-U: Yes		
Reset Key	Yes		
Event			
	Motion detection (support alarm triggering by specified target types (human and		
Basic Event	vehicle)), video tampering alarm, exception		
	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger		
Linkage	capture, send email		



	Line crossing detection, intrusion detection, region entrance detection, region exiting				
Smart Event	detection (support alarm triggered by specified target types (human and vehicle)),				
	scene change detection				
Deep Learning Function					
Face Capture	Yes				
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting				
	Support alarm triggering by specified target types (human and vehicle)				
General					
	12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity				
Power	protection,				
	PoE: IEEE 802.3af, Class 3, max. 8 W				
Material	Cover: Metal, main body: Metal				
Dimension	Ø138.3 mm × 115.4 mm (Ø5.4" × 4.5")				
Package Dimension	170 mm × 170 mm × 160 mm (6.7" × 6.7" × 6.3")				
Weight	Approx. 770 g (1.7 lb.)				
With Package Weight	Approx. 1040 g (2.3 lb.)				
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)				
Startup and Operating	20° C to 60° C (22° E to 140° E). Humidity $0E^{\circ}$ or loss (non-condensing)				
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,				
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				
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	RCM: AS/NZS CISPR 32: 2015,				
	IC: ICES-003: Issue 7,				
	KC: KN32: 2015, KN35: 2015				
	UL: UL 62368-1,				
Cofoty	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	ction 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.

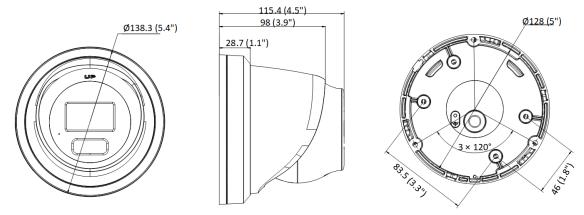
This model has NO SPECIFIC PROTECTION.

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.

Dimension



Unit: mm (inch)

Accessory

Optional

DS-1273ZJ-140	DS-1273ZJ-140B	DS-1271ZJ-140	DS-1275ZJ-SUS	DS-1276ZJ-SUS
Wall Mount	Wall Mount	Pendant Mount	Vertical Pole Mount	Corner Mount
	-1		4 fr	
DS-1280ZJ-PT6	DS-2280ZJ-WA140	DS-2200ZJ-WA-140	DS-2200ZJ-WAJ-140	DS-2210ZJ-WA-140
Junction Box	Junction Box	Wall Mount	Wall Mount	Pendant Mount
		-		Ţ



DS-1273ZJ-140(Black)	DS-1280ZJ-DM21(Blac	DS-1271ZJ-140(Black)	DS-1275ZJ-SUS(Black)	DS-1276ZJ-SUS(Black)
Wall Mount	k)Junction Box	Pendant Mount	Vertical Pole Mount	Corner Mount
		Ī		

ORDERING INFORMATION

114-136-H2Hikvision DS-2CD2387G2H-LIU 8MP ColorVu Hybrid Turret 2.8mm114-136-H4Hikvision DS-2CD2387G2H-LIU 8MP ColorVu Hybrid Turret 4mm



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