

DS-2CD2T87G2H-LISU/SL

8 MP Smart Hybrid Light with ColorVu Fixed Bullet 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
- Active strobe light and audio alarm to warn intruders off
- Support on-board storage up to 512 GB (SD card slot)
- Provide real-time security via built-in two-way audio
- Audio and alarm interface available
- Water and dust resistant (IP67)



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 Longth & 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					
DODI	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 60 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 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				
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)	st (ROI) 1 fixed region for main stream and sub-stream				



Audio					
Audio Type	Mono sound				
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC				
г	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps				
Audio Bit Rate	(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				
7111	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				
Security	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				
CHETT	Plug-in required live view: IE 10, IE 11,				
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,				
Web Browser	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+				
Image					
Image Parameters Switch	Yes				
mage rarameters switch	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, Defog				
SNR	BLC, HLC, 3D DNR, Defog ≥ 52 dB				
Wide Dynamic Range (WDR)	130 dB				
Privacy Mask	4 programmable polygon privacy masks				
Interface	4 programmable polygon privacy masks				
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port				
On-Board Storage					
Built-in Microphone	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB Yes, 1 built-in microphone				
Built-in Speaker	Max. power consumption: 2 W, max. sound pressure level: 10 cm: 97 dB.				
Dane III Opeakei	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input				
Audio	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	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)				
Reset Key	Yes				
Neset Ney	163				



Event					
Davis Frank	Motion detection (support alarm triggering by specified target types (human and				
Basic Event	vehicle)), video tampering alarm, exception				
Smart Event	Scene change detection				
Linkaga	Upload to FTP/NAS/memory card, notify surveillance center, trigger capture, send				
Linkage	email, trigger alarm output, trigger recording, audible warning, strobe light				
Deep Learning Function					
Face Capture	Yes				
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting				
refilleter Frotection	Support alarm triggering by specified target types (human and vehicle)				
General					
	12 VDC ± 25%, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, reverse polarity				
Power	protection,				
	PoE: IEEE 802.3af, Class 3, max. 12.5 W				
Material	Front cover: metal, body: metal, bracket: Metal				
Dimension	286.7 mm × 93.3 mm × 91.2 mm (11.3" × 3.7" × 3.6")				
Package Dimension	386 mm × 156 mm × 155 mm (15.2" × 6.1" × 6.1")				
Weight	Approx. 1205 g (2.7 lb.)				
With Package Weight	Approx. 1920 g (4.2 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	-50°C to 60°C (-22°1 to 140°1). Humility 55% of less (non-condensing)				
General Function	Heartbeat, mirror, flash log, 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+A1:2020, EN 50130-4:2011+A1:2014, EN IEC				
EMC	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.

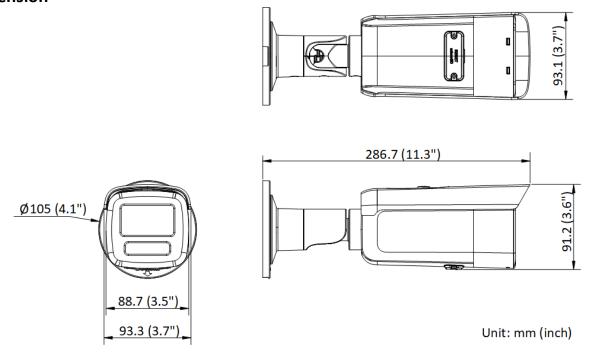
This model has NO SPECIFIC PROTECTION.

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-2CD2T87G2H-LISU/SL(2.8mm) DS-2CD2T87G2H-LISU/SL(4mm)

Dimension





Accessory

Optional

DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1260ZJ	DS-1280ZJ-S	DS-1275ZJ-S-SUS
Vertical Pole Mount	Corner Mount	Junction Box	Junction Box	Vertical Pole Mount
# A A				

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