

### DS-2CD2T87G2H-LI

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
- 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 Length & FOV	2.8 mm, horizontal FOV 105.1°, vertical FOV 54.8°, diagonal FOV 128.2°			
rocal 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			
Donth 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 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 Stroam	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,			
video compression	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	pe Main Profile			
Bit Rate Control	Control CBR, VBR			
Scalable Video Coding (SVC)	ble Video Coding (SVC) H.264 and H.265 encoding			
Region of Interest (ROI)	1 fixed region for main stream and sub-stream			



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			
Hear/Heat	Up to 32 users			
User/Host	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			
Network Storage	1.1/1.2/1.3, host authentication (MAC address)  NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)			
Client	iVMS-4200, Hik-Connect, Hik-Central			
CHEFIL	Plug-in required live view: IE 10, IE 11,			
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,			
WED DIOWSEI	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+			
Image	Local Service. Cilionie 37.01, Filelox 32.01, Euge 831			
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			
SNR	≥ 52 dB			
Wide Dynamic Range (WDR)	130 dB			
Privacy Mask	4 programmable polygon privacy masks			
Interface	F 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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			
Reset Key	Yes			
Event				
Basic Event	Motion detection (support alarm triggering by specified target types (human and 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 Support alarm triggering by specified target types (human and vehicle)			
General				
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. 9.5 W			



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. 1085 g (2.4 lb.)		
With Package Weight	Approx. 1639 g (3.6 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		
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian		
Approval			
EMC	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014,  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, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005		
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.

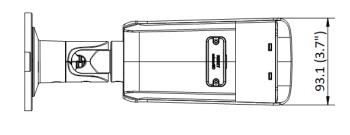
Level	Description		
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.		
Moderate protection	Hikvision products at this level are 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.		

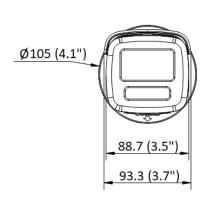
#### Available Model

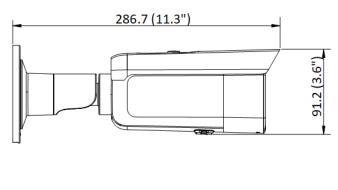
DS-2CD2T87G2H-LI(2.8mm)
DS-2CD2T87G2H-LI(4mm)
DS-2CD2T87G2H-LI(2.8mm)/Black



### Dimension







Unit: mm (inch)

# Accessory

## Optional

DS-1275ZJ-SUS Vertical Pole Mount	DS-1276ZJ-SUS Corner Mount	DS-1260ZJ Junction Box	DS-1280ZJ-S Junction Box	DS-1275ZJ-S-SUS Vertical Pole Mount
				IB
DS-1275ZJ-SUS(Black) Vertical Pole Mount	DS-1276ZJ-SUS(Black) Corner Mount	DS-1260ZJ(Black) Junction Box	DS-1280ZJ-S(Black) Junction Box	





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