

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			
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 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-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,			
Video compression	Third stream: H.265/H.264,			
	*Third stream is supported under certain settings.			
Video Bit Rate	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			



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Day, Night, Auto, Schedule		
BLC, HLC, 3D DNR		
4 programmable polygon privacy masks		
Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB		
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rding, trigger		
Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)		
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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.

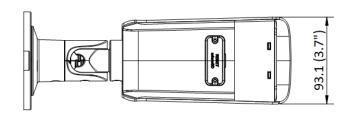
Level	Description		
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.		
Moderate protection	Hikvision products at this level are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

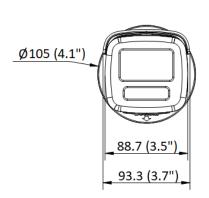
Available Model

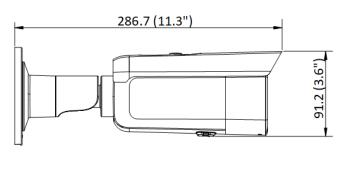
DS-2CD2T87G2H-LI(2.8mm)
DS-2CD2T87G2H-LI(4mm)
DS-2CD2T87G2H-LI(2.8mm)/Black



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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