

DS-2CD2T87G3-LIY 8 MP Smart Hybrid Light Fixed Bullet Network Camera







Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- HikAI-ISP for excellent noise reduction effect
- 24/7 colorful imaging via ColorVu technology
- Scene-adaptive WDR
- Focus on Person and Vehicle classification based on deep learning
- Anti-corrosion design, providing reliability and longevity compared to standard (NEMA4X)
- Smart Hybrid Light: Integrates IR and White lights, 3 supplemental lighting modes
- 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 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 108.8°, vertical FOV 56.4°, diagonal FOV 134.3°
	4 mm, horizontal FOV 93.3°, vertical FOV 47.2°, diagonal FOV 114.2°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
p	2.8 mm: 3.3 m to ∞
Depth of Field	4 mm: 3.8 m to ∞
DORI	4 mm. 3.5 m to
DOM	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	4 min. <i>B.</i> 103 m, 6. 43 m, 10 m
Supplement Light Type	White Light, IR
Supplement Light Range	Up to 60 m
Smart Supplement Light	Yes
-	
IR Wavelength	850 nm
Video	FOUL
	50 Hz:
Main Stream	25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
	60 Hz:
	30 fps (3840 × 2160 , 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)
Sub-Sti eatii	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	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



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	ONVIF (Profile S, Profile T, Profile G), ISAPI, SDK, ISUP
	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
	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
Web Browser	Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+,
	Local service: Chrome 80+, Firefox 80+, Edge 89+
Image	
Image Parameters Switch	Yes
Imaga Sattings	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, Distortion Correction, Defog
SNR	≥ 52 dB
Wide Dynamic Range (WDR)	130 dB
Image Stabilization	EIS
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
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and
Dasic Event	vehicle)), video tampering alarm, exception
Smart Event	Scene change detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email
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%, 0.83 A, max. 10 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. 1200 g (2.7 lb.)
With Package Weight	Approx. 1745 g (3.9 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, flash log, 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+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 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
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

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 MODERATE 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.

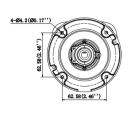
Available Model

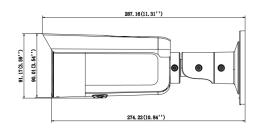
DS-2CD2T87G3-LIY(2.8mm)
DS-2CD2T87G3-LIY(4mm)
DS-2CD2T87G3-LIY(2.8mm)(Black)

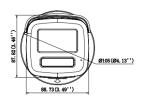


Dimension

SPEC







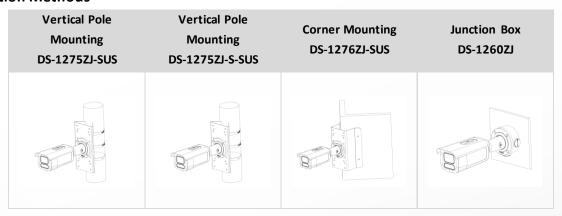
Unit: mm(inch)

Accessory

Optional



Installation Methods



See Far, Go Further



www.hikvision.com support@hikvision.com















