

DS-2CD2T47G3-LIY 4 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	2688 × 1520				
Min. Illumination	Color: 0.0001 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				
5	2.8 mm, horizontal FOV 111.1°, vertical FOV 57.6°, diagonal FOV 138.5°				
Focal Length & FOV	4 mm, horizontal FOV 95.2°, vertical FOV 48.3°, diagonal FOV 117.4°				
Lens Mount	M16				
Iris Type	Fixed				
Aperture	F1.0				
Double of Field	2.8 mm: 2.5 m to ∞				
Depth of Field	4 mm: 3.1 m to ∞				
DORI					
DODL	2.8 mm: D: 61 m, O: 24 m, R: 12 m, I: 6 m				
DORI	4 mm: D: 75 m, O: 30 m, R: 15 m, I: 7 m				
Illuminator					
Supplement Light Type	White Light, IR				
Supplement Light Range	Up to 60 m				
Smart Supplement Light	Yes				
IR Wavelength	850 nm				
Video					
Main Standard	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
Main Stream	60 Hz: 30 fps (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)				
	*The 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 8 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)	ion of Interest (ROI) 1 fixed region for main stream				



TCP/IP, ICMP, HTTP, HTTP, STP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPNPP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPP6E, SNMP, WebSocket, WebSockets, SRTP, STP Simultaneous Live View Up to 6 channels	Network					
Simultaneous Live View Up to 6 channels API ONVIF (Profile S, Profile T, Profile G), ISAPI, SDK, ISUP User/Host Up to 32 users Suser levels: administrator, operator, and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MDS), 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 Promage Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, 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 EI Frivacy Mask 4 programmable polygon privacy masks Interface		TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP,				
Simultaneous Live View API ONNIF (Profile S, Profile T, Profile G), ISAPI, SDK, ISUP User/Host Up to 32 users 3 user levels: administrator, operator, and user Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LADS), 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 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) UmS-4200, Hilk-Connect, Hilk-Central Web Browser Umage Parameters Switch Plus-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Local service: Chrome 80+, Firefox 80+, Edge 89+, Local service: Chrome 80+, Firefox 80+, Edge 89+ Image Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser Day/Night Switch Day, Night, Auto, Schedule Image Enhancement BLC, HLC, 3D DNR, Distortion Correction, Defog SNR S2 52 dB Wide Dynamic Range (WDR) 30 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/microSDNC card, up to 512 GB Reset Key Yes Event Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception Smart Event Scene change detection Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email Deep Learning Function Face Capture, Send email Link cards for a pair mitiggering by specified target types (human and vehicle) General Link capture, Send email 12 VDC ± 25%, O.83 A, max. 10 W, Ø5.5 mm coax	Protocols	SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP,				
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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 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 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 protection, PoE: IEEE 802.3af, Class 3, max. 12.5 W	Privacy Mask	4 programmable polygon privacy masks				
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 Smart Event Scene change detection 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 protection, PoE: IEEE 802.3af, Class 3, max. 12.5 W						
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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	Perimeter Protection					
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	General					
Power protection, PoE: IEEE 802.3af, Class 3, max. 12.5 W		12 VDC ± 25%, 0.83 A, max. 10 W, Ø5.5 mm coaxial power plug, reverse polarity				
	Power	protection,				
Material Front cover: Metal, body: Metal, bracket: Metal		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				
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,				
	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				
	61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,				
EMC	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		
	Hikvision products at this level are equipped for use in areas where professional		
Top-level protection	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.		

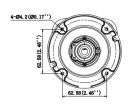
Available Model

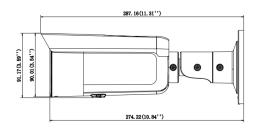
DS-2CD2T47G3-LIY(2.8mm)
DS-2CD2T47G3-LIY(4mm)
DS-2CD2T47G3-LIY(2.8mm)(Black)

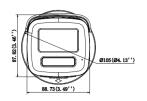


Dimension

SPEC







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
• 2-				
		B		

See Far, Go Further



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