

DS-2CD3T46G2H-LIS(Y)

4 MP Dual Illumination Fixed Bullet Network Camera











Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- Supports Hikvision Embedded Open Platform (HEOP) and importing third party applications
- Supports 1.5 Tops computing power, 60 MB system memory, 400 MB smart RAM, and 2 GB eMMC storage for sharing resources
- High quality imaging with 4 MP resolution
- Smart Dual-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

Image Sensor 1/3" Progressive Scan CMOS Max. Resolution 2688 x 1520 Max. Resolution 2688 x 1520 Max. Resolution Color: 0.001 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: O' to 360°, tilt: 0" to 90°, rotate: 0" to 360° Lens Type Eless Type Fixed focal lens, 2.8 and 4 mm optional Lens Mount M12 Lens Mount M12 List Sype Fixed Aperture F1.0 Depth of Field 2.8 mm: 19 m to ∞ 4 mm: 2.5 m to ∞ 4 mm: 2.5 m to ∞ DORI Use of Field 2.8 mm: 19 m to ∞ 4 mm: 2.5 m to ∞ DORI Use of Field 2.8 mm: 19 m to ∞ 4 mm: 2.5 m to ∞ DORI Use of Field 2.8 mm: 19 m to ∞ 2 mm: 2.5 m to ∞ DORI Use of Field 2 mm: 2.5 m to ∞	Camera			
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Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C,C++ Wideo Main Stream 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 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) Fourth Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		eMMC: 2 GB		
Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C,C++ Wideo Main Stream 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings. Fourth Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream	Computing Power	1.5 TOPS		
Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C,C++ Video 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Main Stream 50 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 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) Fourth Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		HEOP 2.0 OpendevSDK		
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Fourth Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		*The third stream is supported under certain settings.		
		50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		
*The fourth stream is supported under certain settings.	Fourth Stream	60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		
		*The fourth stream is supported under certain settings.		



	Main ctroom: U 265/U 264/U 264//U 265
	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG,
Video Communica	
Video Compression	Third stream: H.265/H.264,
	Fourth stream: H.265/H.264/MJPEG,
Mid Dit D-t-	*The third stream and the fourth stream are 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)	5 fixed regions for main stream and sub-stream
Target Cropping	Yes
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps
riddio Bit Nate	(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, NTP, UPnP, SMTP,
Protocols	IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP,
	WebSocket, WebSockets, SRTP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
User/Host	Up to 32 users
USEI/HUST	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
	Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS
	1.1/1.2/1.3, host authentication (MAC address)
	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR),
Network Storage	Together with high-end Hikvision memory card, memory card encryption and health
	detection are supported.
Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11,
	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,
	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image 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,Defog
SNR	≥ 52 dB
Wide Dynamic Range (WDR)	130 dB
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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		
	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input		
A	impedance: 4.7 KΩ, interface type: non-equilibrium,		
Audio	1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output		
	impedance: 100 Ω , interface type: non-equilibrium		
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)		
Reset Key	Yes		
Power Output	12 VDC, max. 100 mA		
Event			
D : E .	Motion detection (support alarm triggering by specified target types (human and		
Basic Event	vehicle)), video tampering alarm, exception		
	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger		
Linkage	recording,trigger capture,trigger alarm output,audible warning		
Constant From 1	Unattended baggage detection, object removal detection, scene change		
Smart Event	detection, audio exception detection, defocus detection		
Deep Learning Function			
Face Capture	Yes		
People Counting	Yes		
	Line crossing detection, intrusion detection, region entrance detection, region exiting		
Perimeter Protection	detection,		
	Support alarm triggered by specified target types (human and vehicle)		
General			
	12 VDC ± 25%, 0.66 A, max. 8 W,Ø5.5 mm coaxial power plug,reverse polarity		
Power	protection,		
	PoE: IEEE 802.3af, Class 3, max. 10 W		
Material	Front cover: Metal, body: Metal, bracket: Metal		
Dimension	325.7 mm × 93.3 mm × 91.2 mm (12.8" × 3.7" × 3.6")		
Package Dimension	386 mm × 157 mm × 155 mm (15.2" × 6.1" × 6.1")		
Weight	Approx. 1100 g (2.4 lb.)		
With Package Weight	Approx. 1610 g (3.5 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,anti-banding,flash log,password reset via email,pixel counter		
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		



	UL: UL 62368-1,
	CB: IEC 62368-1: 2014+A11,
Safety	CE-LVD: EN 62368-1: 2014/A11: 2017,
	BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005,
	LOA: IEC/EN 60950-1
Environment	CE-RoHS: 2011/65/EU
Protection	IP67: IEC 60529-2013
Anti-Corrosion Protection	-Y: 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 NO SPECIFIC PROTECTION.

Level	Description
	Hikvision products at this level are equipped for use in
Top-level protection	areas where professional anti-corrosion protection is a
Top-level protection	must. Typical application scenarios include coastlines,
	docks, chemical plants, and more.
	Hikvision products at this level are equipped for use in
	areas with moderate anti-corrosion demands. Typical
Moderate protection	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
No specific protection	areas where no specific anti-corrosion protection is needed.

Available Model

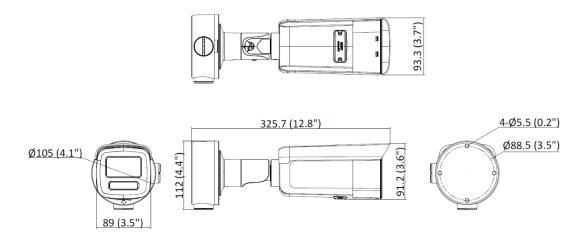
DS-2CD3T46G2H-LISY(2.8mm) DS-2CD3T46G2H-LISY(4mm)

DS-2CD3T46G2H-LIS(2.8mm)

DS-2CD3T46G2H-LIS(4mm)



Dimension



Unit:mm (inch)

Accessory

Included



Optional

DS-1275ZJ-SUS	DS-1276ZJ-SUS	DS-1275ZJ-S-SUS
Vertical pole mount	Corner mount	Vertical pole mount
p. 		

Headquarters

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