

DS-2CD3346G2H-LIS(U) 4 MP Dual Illumination Fixed Turret 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
- -U: Built-in microphone for real-time audio security
- Water and dust resistant (IP67)



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Specification

Image SensorJ3* Progressive Scan CMOSMax. Resolution268×1320Max. ResolutionColor: 0.001 Lux @ (F1.0. AGC ON), 0 Lux with lightShutter Time1/3 s to 1/100,000 sDay & NightRc ut filterAngle AdjustmentPan: 0* to 360°, tilt: 0* to 75°, rotate: 0* to 360°Bars TypeFixed focal lens, 2.8 and 4 mm optionalFocal Length & FOV2* mm, horizontal FOV 10.2°, vertical FOV 54.7°, diagonal FOV 119.7° 4 mm, horizontal FOV 10.2°, vertical FOV 54.7°, diagonal FOV 94.6°Lens MountM12Lens MountM12Lens MountKikelApertureFixed focal lens, 2.8 and 4 mm optionalApertureRum: 1.9 m to row 4 mm, horizontal FOV 10.2°, vertical FOV 44.7°, diagonal FOV 94.6°Dept of Field2.8 mm: 1.9 m to row 4 mm: 2.5 m to rewDroth2.8 mm: 1.9 m to rew 4 mm: 2.5 m to rewDroth2.8 mm: 1.9 m to rew 4 mm: 2.5 m to rewDroth2.8 mm: 1.9 m to rew 4 mm: 2.5 m, 0: 25 m, R: 12 m, 1: 5 m 4 mm: 2.5 m to rewDroth2.8 mm: 1.9 m to rew 4 mm: 2.5 m to rewDroth2.8 mm: 1.9 m to rew 4 mm: 2.5 m to rewDroth2.8 mm: 2.5 m, 0: 25 m, R: 12 m, 1: 5 m 4 mm: 2.5 m to rewDroth2.8 mm: 2.8 mm to rew 4 mm: 2.5 m to rewDroth4 mm to rewDroth9.0 mmetrical rewSupplement Light Range10 to NOpen Capability14 Not Nite, 268Open Capability15 TOPSOpen Capability16 EOP 2.0 OpendersDKDreg Learning Structure6 Hcr: 25 fro (1280 x	Camera					
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Image: Amm: D: 78 m, 0: 31 m, R: 15 m, 1: 7 mImage: Burge:	2.021	2.8mm: D: 63 m, O: 25 m, R: 12 m, I: 6 m				
Supplement Light TypeIR, White LightSupplement Light RangeUp to 40 mSmart Supplement LightYesIR Wavelength850 nmHEOPOpen ResourcesMemory: 60 MB, Smart RAM: 400 MB, eMMC: 2 GBComputing Power1.5 TOPSOpen CapabilityHEOP 2.0 OpendevSDKDeep Learning StructureCaffe, PyTorch, TensorFlow, PaddlePaddle, ONNXProgramming LanguageC, C++Main Stream50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings.Fourth Stream50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings.Fourth Stream50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings.	DORI	4mm: D: 78 m, O: 31 m, R: 15 m, I: 7 m				
Supplement Light RangeUp to 40 mSmart Supplement LightYesIR Wavelength850 nmHEOPMemory: 60 MB, Smart RAM: 400 MB, eMMC: 2 GBComputing Power1.5 TOPSOpen CapabilityHEOP 2.0 OpendevSDKDeep Learning StructureCaffe, PyTorch, TensorFlow, PaddlePaddle, ONNXProgramming LanguageC, C++VideoSub-Stream50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)Third Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings.Fourth Stream50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings.	Illuminator					
Smart Supplement LightYesIR Wavelength850 nmHEOPOpen ResourcesMemory: 60 MB, Smart RAM: 400 MB, eMMC: 2 GBComputing Power1.5 TOPSOpen CapabilityHEOP 2.0 OpendevSDKDeep Learning StructureCaffe, PyTorch, TensorFlow, PaddlePaddle, ONNXProgramming LanguageC, C++VideoMain Stream50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1280 x 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 x 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 7Third StreamFourth Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) * The third stream is supported under certain settings.Fourth Stream50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) * The third stream is supported under certain settings.	Supplement Light Type	IR, White Light				
IR Wavelength850 nmHEOPOpen ResourcesMemory: 60 MB, Smart RAM: 400 MB, eMMC: 2 GBComputing Power1.5 TOPSOpen CapabilityHEOP 2.0 OpendevSDKDeep Learning StructureCaffe, PyTorch, TensorFlow, PaddlePaddle, ONNXProgramming LanguageC, C++VideoMain Stream50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)Third Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings.Fourth Stream50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings.	Supplement Light Range					
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Memory: 60 MB, Smart RAM: 400 MB, eMMC: 2 GBComputing Power1.5 TOPSOpen CapabilityHEOP 2.0 OpendevSDKDeep Learning StructureCaffe, PyTorch, TensorFlow, PaddlePaddle, ONNXProgramming LanguageC, C++Main Stream50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)Third Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings.Fourth Stream50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *The third stream is supported under certain settings.	IR Wavelength	850 nm				
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50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
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.				



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	Main stream: H.265/H.264/H.264+/H.265+,					
	Sub-stream: H.265/H.264/MJPEG,					
Video Compression	Sub-stream: H.265/H.264, Third stream: H.265/H.264,					
video compression	Fourth stream: H.265/H.264/MJPEG,					
	*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					
Н.265 Туре	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					
	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps					
Audio Bit Rate	(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					
11	Up to 32 users					
User/Host	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					
	Plug-in required live view: IE 10, IE 11,					
Web Browser	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				
Built-in Microphone	-U: Yes				
	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input				
. II	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	1 input, 1 output (max. 12 VDC, 30 mA)				
Reset Key	Yes				
Power Output	12 VDC, max. 100 mA				
Event					
	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				
	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				
1 5	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	Cover: Metal, main body: Metal				
Dimension	Ø127.3 mm × 96.3 mm (Ø5" × 3.8")				
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")				
Weight	Approx. 550 g (1.2 lb.)				
With Package Weight	Approx. 800 g (1.8 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		
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,		
	LOA: IEC/EN 60950-1		
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.

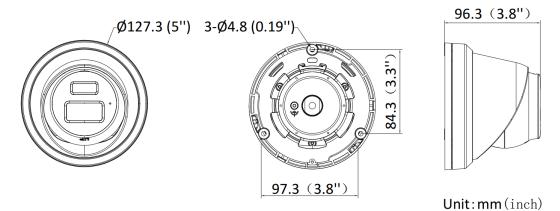
This model has NO SPECIFIC PROTECTION.

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-2CD3346G2H-LIS (2.8/4 mm) DS-2CD3346G2H-LISU (2.8/4 mm)

Dimension





Accessory

Optional

DS-1271ZJ-130-TRL Pendant Mount	DS-1280ZJ-DM8 Junction box	DS-1275ZJ-SUS Vertical Pole Mount	DS-1276ZJ-SUS Corner Mount	DS-1281ZJ-M Inclined Ceiling Mount
Ĩ		9 9 8 8 8 8		
DS-1273ZJ-130-TRL Wall Mount				

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