

HIKV

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DS-2CD3346G2-ISU/SL 4 MP AcuSense IR Fixed Turret Network Camera



Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- 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
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Active strobe light and audio alarm to warn intruders off
- Provides real-time security via built-in two-way audio
- Water and dust resistant (IP67)



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Specification

Image Sensor1/3* Progressive Scan CMOSMax. Resolution2688 × 1520Max. ResolutionColor: 0003 Lux @ (FL4, AGC ON), B/W: 0 Lux with IRShutter Time1/3 s to 1/100, 000 sDay & NightRe ut filterAngle AdjustmentPan: 0'to 360°, tilt: 0'to 7;7's, rotate: 0'to 360°Bare AdjustmentPan: 0'to 360°, tilt: 0'to 7;7's, rotate: 0'to 360°EnsFixed focal lens, 2.8, 4, and 6 mm optionalForal Length & FOVFixed focal lens, 2.8, 4, and 6 mm optional FOV 122"Focal Length & FOVA mm, horizontal FOV 51', vertical FOV 54', diagonal FOV 199° 6 mm, horizontal FOV 53', vertical FOV 28', diagonal FOV 199° 6 mm, horizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm, horizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm, horizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm, horizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm, horizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm, horizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm, horizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm, horizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm, brizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm: D' 28' mm, brizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm: D' 28' mm, brizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm: D' 28' mm, brizontal FOV 53', vertical FOV 28', diagonal FOV 99° 6 mm: D' 28' mm. D' 2	Camera					
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Supplement Light TypeIRSupplement Light RangeUp to 40 mSmart Supplement LightYesIR Wavelength850 nmHEOPPopen 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++VietoMain 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) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)Fourth Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)Fourth Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)		6 mm: D: 126 m, O: 50 m, R: 25 m, I: 12 m				
Supplement 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++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)Fourth Stream50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)	Illuminator					
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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 (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)Fourth Stream50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	Supplement Light Range	Up to 40 m				
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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 (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) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)Fourth Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	IR Wavelength	850 nm				
Open ResourcesSmart RAM: 400 MB, eMMC: 2 GBComputing Power1.5 TOPSOpen CapabilityHEOP 2.0 OpendevSDKDeep Learning StructureCaffe, PyTorch, TensorFlow, PaddlePaddle, ONNXProgramming LanguageC, C++Video50 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: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)Fourth Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	HEOP					
indexeMMC: 2 GBComputing Power1.5 TOPSOpen CapabilityHEOP 2.0 OpendevSDKDeep Learning StructureCaffe, PyTorch, Tensor Flow, 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 (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) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)Fourth Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)		Memory: 60 MB,				
Computing 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) 60 Hz: 10 fps (1920 × 1080, 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)Fourth Stream50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	Open Resources	Smart RAM: 400 MB,				
Open Capability HEOP 2.0 OpendevSDK 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: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) Fhird Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		eMMC: 2 GB				
Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ Video Sol Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Main Stream 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	Computing Power	1.5 TOPS				
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) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	Open Capability	HEOP 2.0 OpendevSDK				
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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: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)	Programming Language	C, C++				
Main Stream 60 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) 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) Fourth Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)	Video					
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Sub-Stream 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)	Main Stream	60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)				
60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)	Sub Stroom	50 Hz: 25 fps (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)	SUD-SURGIII	60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)				
60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)	Third Stroom	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
Fourth Stream		60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)				
60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)	Fourth Stroom	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)				
	FOULUI SUEdIII	60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)				



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	Main stream: H.265/H.264/H.264+/H.265+,				
	Sub-stream: H.265/H.264/MJPEG,				
Video Compression	Third stream: H.265/H.264,				
	Fourth stream: H.265/H.264/MJPEG				
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				
e-PTZ	Support Preset, Patrol, and Auto Tracking settings				
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				
AUUIO BIL RALE	(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	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP				
·· /·	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+				
Imaga	Local service. Chrome 57.0+, Therox 52.0+, Luge 85+				
Image	Vez				
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				
Wide Dynamic Range (WDR)	120 dB				
Image Enhancement	BLC, HLC, 3D DNR, Defog				



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SNR	≥ 52 dB				
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				
Alarm	Visual alarm, 1 input, 1 output (max. 24 VDC, 1 A)				
Built-in Microphone	Yes				
Reset Key	Yes				
Built-in Speaker	Max. power consumption: 1.2 W, max. sound pressure level: 10 cm: 95 dB.				
	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input				
Audio	impedance: 4.7 K Ω , interface type: non-equilibrium,				
Auulo	1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output				
	impedance: 100 Ω , interface type: non-equilibrium				
Event					
Basic Event	Motion detection (support alarm triggering by specified target types (human and				
	vehicle)), video tampering alarm, exception				
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting				
	detection (support alarm triggered by specified target types (human and vehicle)),				
	scene change detection, audio exception detection, defocus detection				
Linkago	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm				
Linkage	output, trigger recording, trigger capture, audible warning, white light flashing				
Deep Learning Function					
Face Capture	Yes				
People Counting	Yes				
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. 9.5 W				
Material	Metal except for trim ring				
Dimension	Ø138.3 mm × 115.4 mm (Ø5.4" × 4.5")				
Package Dimension	170 mm × 170 mm × 150 mm (6.7" × 6.7" × 5.9")				
Weight	Approx. 790 g (1.7 lb.)				
With Package Weight	Approx. 1100 g (2.4 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, anti-banding, mirror, flash log, password reset via email, pixel counter				
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,				
	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,				
Language	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,				



Approval				
EMC	FCC: 47 CFR Part 15, Subpart B,			
	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			
	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,			
	WEEE: 2012/19/EU,			
	Reach: Regulation (EC) No 1907/2006			
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.

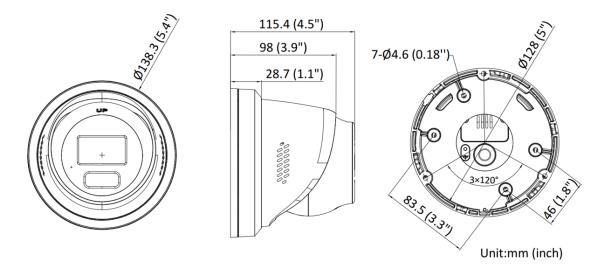
Level	Description			
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.			
Moderate protection	Hikvision products at this level 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-2CD3346G2-ISU/SL (2.8 mm)(H) DS-2CD3346G2-ISU/SL(4 mm)(H) DS-2CD3346G2-ISU/SL (6 mm)(H)



Dimension



Accessory

Optional

DS-1280ZJ-PT6	DS-1271ZJ-140	DS-1276ZJ-SUS	DS-1275ZJ-SUS	DS-1273ZJ-140B
Junction Box	Pendant Mount	Corner Mount	Vertical Pole Mount	Wall Mount
				e

Headquarters No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5998 www.hikvision.com

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Hikvision Corporate Channel



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