

DS-2CD3046G2-IU/SL 4 MP AcuSense IR Fixed Bullet Network Camera



Powered by
Dark Fighter





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
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR 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 @ (F1.4, AGC ON), B/W: 0 Lux with IRShutter Time1/3 s to 1/100,000 sDay & NightRu cut filterAngle AdjustmentPan: 0' to 360', tilt: 0' to 90', rotate: 0' to 360', ditt.Day & NightRu: 0' literAngle AdjustmentPan: 0' to 360', tilt: 0' to 90', rotate: 0' to 360', ditaco 1' to 360', ditt.EnsFixed focal lens, 2.8, 4, and 6 mm optionalEnsSam, horizontal FOV 10', vertical FOV 54', diagonal FOV 122''Lens NountM12Lens MountM12Lens NountFixed Acad Sam, 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: D: 77 m, 0: 30 m, R: 15 m, I: 7 m 6 m:: D: 77 m, 0: 30 m, R: 15 m, I: 7 m 6 m:: D: 77 m, 0: 30 m, R: 15 m, I: 7 m 6 m:: D: 72 m, 0: 30 m, R: 25 m, I: 12 mBupplement Light TypeIR VSupplement Light TypeIR Monory: 60 MR, Son Manuel Sam Supplement Light TypeSupplement Light TypeYMax ResourcesSon mart RAM: 400 MB, Son Manuel Sam Supplement Light TypeOpen CapabilityHEO PC 20 OpendevSDKComputing PowerC.4'Open CapabilityHEO PC 20 OpendevSDKOpen CapabilityHEO PC 20 OpendevSDKOpen CapabilityHEO PC 20 Opende	Camera		
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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)	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 (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)	Supplement Light Range	Up to 40 m	
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Image: Computing PowereMMC: 2 GBComputing Power1.5 TOPSOpen CapabilityHEOP 2.0 OpendevSDKDeep Learning StructureCaffe, PyTorch, TensorFlow, PaddlePaddle, ONNXProgramming LanguageC, C++VideoVideoMain StreamS0 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 (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)		Memory: 60 MB,	
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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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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-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)	
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Fourth Stream	mira 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)	
		60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)	



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	Main stream: H.265/H.264/H.264+/H.265+,
Video Compression	Sub-stream: H.265/H.264/MJPEG,
	Third stream: H.265/H.264,
	Fourth stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 8 Mbps
Н.264 Туре	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
	Yes
Target Cropping	
e-PTZ	Support 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
	(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
User/Host	Up to 32 users
0361/11031	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
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	· F 0
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
Built-in Microphone	Yes
Reset Key	Yes
Built-in Speaker	Max. power consumption: 1.2 W, max. sound pressure level: 10 cm: 95 dB.
Event	
	Motion detection (support alarm triggering by specified target types (human and
Basic Event	vehicle)), video tampering alarm, exception
	Line crossing detection, intrusion detection, region entrance detection, region exiting
Smart Event	detection (support alarm triggered by specified target types (human and vehicle)),
	scene change detection, audio exception detection, defocus detection
	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger
Linkage	recording, trigger capture, audible warning, white light flashing
Deep Learning Function	
Face Capture	Yes
People Counting	Yes
General	
	12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity
Power	protection,
	PoE: IEEE 802.3af, Class 3, max. 8 W
Material	Aluminum alloy body
Dimension	74.4 mm × 74.4 mm × 179.2 mm (2.9" × 2.9" × 7.1")
Package Dimension	234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6")
Weight	Approx. 590 g (1.3 lb.)
With Package Weight	Approx. 820 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, 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	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
Approval	
	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN
EMC	50130-4: 2011 +A1: 2014,
	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,
	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.

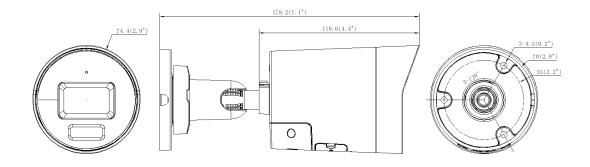
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines,
	docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped 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-2CD3046G2-IU/SL (2.8 mm)(H) DS-2CD3046G2-IU/SL (4 mm)(H) DS-2CD3046G2-IU/SL (6 mm)(H)



Dimension



unit:mm(Inch)

Accessory

Optional



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HikvisionHQ





Hikvision Corporate Channel

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