

**DS-2CD3046G2-IU/SL****4 MP AcuSense Strobe Light and Audible Warning Fixed Mini Bullet**

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.

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
- 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)

## ▪ Specification

Model		DS-2CD3046G2-IU/SL
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Max. Resolution	2688 × 1520
	Min. Illumination	Color: 0.003 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
	Shutter Time	1/3 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, 4, and 6 mm optional
	Focal Length & FOV	2.8 mm, horizontal FOV 101°, vertical FOV 54°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 99° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 64°
	Lens Mount	M12
	Iris Type	Fixed
	Aperture	F1.4
DORI	DORI	2.8 mm: D: 63 m, O: 25 m, R: 12 m, I: 6 m 4 mm: D: 77 m, O: 30 m, R: 15 m, I: 7 m 6 mm: D: 126 m, O: 50 m, R: 25 m, I: 12 m
Illuminator	Supplement Light Type	IR
	Supplement Light Range	Up to 40 m
	Smart Supplement Light	Yes
	IR Wavelength	850 nm
HEOP	Open Resources	Memory: 60 MB, Smart RAM: 400 MB, eMMC: 2 GB
	Computing Power	1.5 TOPS
	Open Capability	HEOP 2.0 OpendevSDK
	Deep Learning Structure	Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX
	Programming Language	C, C++
Video	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)

	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) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)
	Video Compression	Main stream: H.265/H.264/H.264+/H.265+, 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
	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	e-PTZ	Support Patrol and Auto Tracking settings
	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	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP, WebSocket, WebSockets
	Simultaneous Live View	Up to 6 channels
	API	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
	User/Host	Up to 32 users 3 user levels: administrator, operator, and user
	Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), 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), 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
	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
	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	Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
	Smart Event	scene change detection, audio exception detection, defocus detection, unattended baggage detection, object removal detection
	Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, white light flashing
Deep Learning Function	Face Capture	Yes
	People Counting	Yes
	Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
General	Power	12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø5.5 mm coaxial power plug, reverse polarity 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
	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, 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.

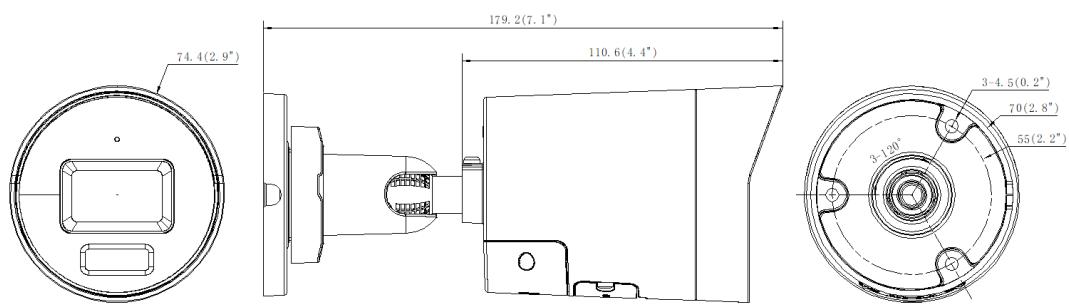
## ▪ Available Model

DS-2CD3046G2-IU/SL(2.8mm)(H)

DS-2CD3046G2-IU/SL(4mm)(H)

DS-2CD3046G2-IU/SL(6mm)(H)

## ▪ Dimension



unit:mm (Inch)

## ▪ Accessory

### ▪ Optional

DS-1276ZJ-SUS Corner mount	DS-1280ZJ-XS Junction box	DS-1275ZJ-SUS Vertical pole mount
A small bracket designed for mounting the camera to a corner or a flat surface.	A small, cylindrical junction box used for connecting the camera to a power source or other equipment.	A bracket designed for mounting the camera to a vertical pole or a similar vertical surface.
A diagram showing the camera mounted on the corner mount bracket.	A diagram showing the camera mounted on the junction box.	A diagram showing the camera mounted on the vertical pole mount bracket.

# See Far, Go Further



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