

DS-2CD2646G2H-IZS2U/S(L)(RB)

4MP AcuSense Strobe Light and Audible Warning Motorized VarifocBullet Network Camer

AcuSense





- High quality imaging with 4 MP resolution
- Clear imaging against strong back light due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Motorized varifocal lens for easy installation and monitoring
- Focus on human and vehicle classification based on deep learning
- Active strobe light and audio alarm to warn intruders off
- Provide real-time security via built-in two-way audio
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Built-in arrayed dual-microphone for real-time high quality audio security



Specification

Camera							
Image Sensor	1/3" Progressive Scan CMOS						
Max. Resolution	2688 × 1520						
Min. Illumination	Color: 0.001 Lux @ (F1.0, 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						
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm						
Facel Langth 9 FOV	2.8 to 12mm, horizontal FOV 105.4° to 34.3°, vertical FOV 56.1° to19.3°, diagonal						
Focal Length & FOV	FOV 125.8° to 39.4°						
Lens Mount	Ø14						
Iris Type	Fixed						
Aperture	F1.0						
Depth of Field	2.8 to 12mm: 1m-∞						
DORI							
DODI	Wide: D: 63 .4m, O: 25.2 m, R: 12 .7m, I: 6.3 m						
DORI	Tele: D: 180.6 m, O: 71.7 m, R: 36.1 m, I: 18.1 m						
Illuminator							
Supplement Light Type	IR						
Supplement Light Range	Up to 60 m						
Smart Supplement Light	Yes						
IR Wavelength	850 nm						
Video							
	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)						
Main Stream	60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)						
	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)						
Sub-Stream	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)						
	*Third stream is supported under certain settings.						
	Main stream: H.265/H.264/H.264+/H.265+,						
Video Communesion	Sub-stream: H.265/H.264/MJPEG,						
Video Compression	Third stream: H.265/H.264,						
	*Third stream is 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)	1 fixed region for main stream and sub-stream						
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/48 kHz			
Environment Noise Filtering	Yes			
Network				
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP,			
Protocols	SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP,			
	WebSocket, WebSockets, SRTP, SFTP			
Simultaneous Live View	Up to 6 channels			
API	ONVIF (Profile S, Profile T, Profile G), ISAPI, SDK, ISUP			
Usar/Hast	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)			
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)			
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			
	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance,			
Image Settings	adjustable by client software or web browser			
Day/Night Switch	Day, Night, Auto, Schedule			
Image Enhancement	BLC, HLC, 3D DNR			
SNR	≥ 52 dB			
Wide Dynamic Range (WDR)	120 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 GE			
	Built-in Microphone: Arrayed dual-microphone,			
	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input			
Audio	impedance: 4.7 KΩ, interface type: non-equilibrium,			
	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. 24 VDC/24 VAC, 1 A)			
Reset Key	Yes			
Event				
	Motion detection (support alarm triggering by specified target types (human and			
Basic Event	vehicle)), video tampering alarm, exception			
Smart Event	Scene change detection			
	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm			
Linkage	output, trigger recording, trigger capture, audible warning			



Deep Learning Function	W			
Face Capture	Yes			
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting			
	Support alarm triggering by specified target types (human and vehicle)			
General				
	12 VDC ± 25%, 1.21 A, max. 14.5 W, two-core terminal block, reverse polarity			
Power	protection,			
	PoE: IEEE 802.3at, Class 4, max. 18 W			
Material	Front cover: metal, body: metal, bracket: metal			
Dimension	Ø140 mm × 333.8 mm (Ø5.5" × 13.1")			
Package Dimension	385 mm × 190 mm × 180 mm (15.2" × 7.5" × 7.1")			
Weight	Approx. 1520 g (3.4 lb.)			
With Package Weight	Approx. 2520 g (5.6 lb.)			
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)			
Startup and Operating	20 °C to C0 °C / 22 °F to 440 °F \			
Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)			
General Function	Heartbeat, mirror, password reset via email, pixel counter, anti-banding			
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian			
Language	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			
Flacking Cake	/SRB model: Red and Blue Light			
Flashing Light	/SL model: White Light			
Approval				
	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC			
	61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,			
EMC	IC: ICES-003: Issue 7,			
	RCM: AS/NZS CISPR 32: 2015,			
	KC: KN32: 2015, KN35: 2015			
Cafab.	CB: IEC 62368-1: 2014+A11,			
Safety	CE-LVD: EN 62368-1: 2014/A11: 2017			
Environment	CE-RoHS: 2011/65/EU,			
	WEEE: 2012/19/EU,			
	Reach: Regulation (EC) No 1907/2006			
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002			

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 areas where professional			
Top-level protection	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		
No specific protection	anti-corrosion protection is needed.		

Available Model

DS-2CD2646G2H-IZS2U/SL(2.8-12mm)

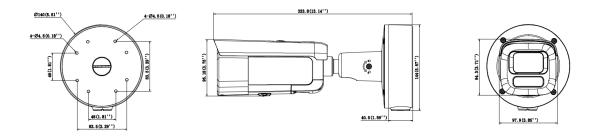
DS-2CD2646G2H-IZS2U/SL(2.8-12mm)(Black)

DS-2CD2646G2H-IZS2U/SRB(2.8-12mm)

DS-2CD2646G2H-IZS2U/SRB(2.8-12mm)

DS-2CD2646G2H-IZS2U/SRB(2.8-12mm)(Black)

Dimension



Unit: mm(inch)

Accessory

Optional

DS-1475ZJ-SUS Vertical pole mount	DS-1476ZJ-SUS Corner mount	DS-1475ZJ-Y Vertical pole mount	DS-1476ZJ-Y Corner mount	DS-2251ZJ Others
		AAA		

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