

#### DS-2CD2647G2HT-LIZS

4 MP Smart Hybrid Light with ColorVu Motorized Varifocal Bullet Network Camera















- High quality imaging with 4 MP resolution
- Smart Hybrid Light: advanced technology with long range
- Clear imaging against strong back light due to 130 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
- Water and dust resistant (IP67) and vandal resistant (IK10)



# Specification

Camera					
Image Sensor	1/1.8" Progressive Scan CMOS				
Max. Resolution	2688 × 1520				
Min. Illumination	Color: 0.0008 Lux @ (F1.2, AGC ON), 0 Lux with light				
Shutter Time	1/3 s to 1/100,000 s				
Day & Night	IR cut filter				
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°				
Lens					
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm				
Facal Langth & FOV	2.8 to 12 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal FOV				
Focal Length & FOV	141.3° to 48.1°				
Lens Mount	Integrated				
Iris Type	Fixed				
Aperture	F1.2				
Depth of Field	1 m to ∞				
DORI					
200	Wide: D: 60.0m, O: 23.8 m, R: 12.0 m, I: 6.0 m				
DORI	Tele: D: 149 m, O: 59.1 m, R: 29.8 m, I: 14.9 m				
Illuminator					
Supplement Light Type	IR, White Light				
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)				
6 1 6	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 Compression	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				
Н.265 Туре	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.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC				
Audio Pit Poto	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64				
Audio Bit Rate	Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)				



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, RTCP, NTP, UPnP, 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	Open Network Video Interface (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)				
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				
Image Enhancement	BLC, HLC, 3D DNR				
SNR	≥ 52 dB				
Wide Dynamic Range (WDR)	130 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				
Audio	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium				
Alarm	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)				
Reset Key	Yes				
Event					
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception				
Smart Event	Scene change detection				
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email, audible warning, trigger alarm output				
Deep Learning Function					
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, Ø5.5 mm coaxial power plug, reverse polarity			
Power	protection,			
	PoE: IEEE 802.3at, Class 4, max. 18 W			
Material	Front cover: Metal, body: Metal, bracket: Metal			
Dimension	298 mm × 97.9 mm × 95.7 mm (11.8" × 3.9" × 3.8")			
Package Dimension	386 mm × 190 mm × 180 mm (15.2" × 7.5" × 7.1")			
Weight	Approx. 1085 g (2.4 lb.)			
With Package Weight	Approx. 1639 g (3.6 lb.)			
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)			
Startup and Operating	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)			
Conditions	-50 C to 60 C (-22 F to 140 F). Hullilatty 95% of less (Hoff-condensing)			
General Function	Heartbeat, mirror, password reset via email, pixel counter, anti-banding			
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			
EMC	50130-4: 2011 +A1: 2014			
Safety	UL: UL 62368-1,			
	CB: IEC 62368-1: 2014+A11,			
	CE-LVD: EN 62368-1: 2014/A11: 2017			
Environment	CE-RoHS: 2011/65/EU			
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.

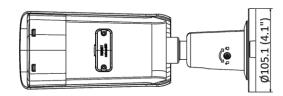
Level	Description		
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.		
Moderate protection	Hikvision products at this level are 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.		

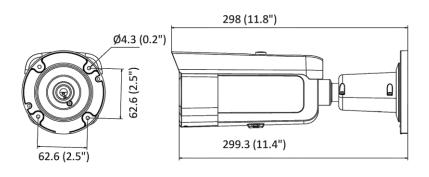
## Available Model

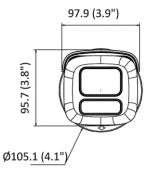
DS-2CD2647G2HT-LIZS(2.8-12mm)
DS-2CD2647G2HT-LIZS(2.8-12)/eF/Black



## Dimension







Unit: mm (inch)

## Accessory

## Optional

DS-1275ZJ-SUS Vertical Pole Mount	DS-1276ZJ-SUS Corner Mount	DS-1260ZJ Junction Box	DS-1280ZJ-S Junction Box	DS-1275ZJ-S-SUS Vertical Pole Mount
	D			
DS-1275ZJ-SUS(Black) Vertical Pole Mount	DS-1276ZJ-SUS(Black) Corner Mount	DS-1260ZJ-Black Junction Box	DS-1280ZJ-S(Black) Junction Box	



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