

DS-2CD2647G2-LZS 4 MP ColorVu Motorized Varifocal Bullet Network Camera







Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- High quality imaging with 4 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- 24/7 colorful imaging
- Clear imaging against strong backlight due to 130 dB WDR technology
- Focus on human and vehicle targets classification based on deep learning
- Efficient H.265+ compression technology
- Water and dust resistant (IP67) and vandal resistant (IK10)





Specification

Image Sensor 1/1.8" Progressive Scan CMOS Min. Illimination Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light Shutter Speed 1/3 s to 1/100,000 s Slow Shutter Yes P/N Wide Dynamic Range 130 dB Angle Adjustment Pan: 0" to 355", tilt: 0" to 90", rotate: 0" to 360" Power-off Memory Yes Lens Verifocal lens, motorized lens, 3.6 to 9 mm Foral Length & FOV 112.2" to 55" Lens Mount Ø20 First Type Fixed Apperture F1.0 DORI Ensure Supplement Light Yes White Light Range Up to 60 m Video Video Video Sib-Stream 50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720) Main Stream 50 Hz: 25 fps (2688 x 1520, 1920 x 1080, 1280 x 720) Sub-Stream 50 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360) 60 Hz: 20 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360) 60 Hz: 20 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360)	Camera		
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*Third stream is supported under certain settings. Main stream: H.265/H.264/H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG 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 H.265+ Main stream supports H.265+ Main stream supports Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding		50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	
Main stream: H.265/H.264/H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG 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 H.264+ Main stream supports H.265+ Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding	Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	
Sub-stream: H.265/H.264/MJPEG 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 H.264+ Main stream supports H.265+ Main stream supports Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding		*Third stream is supported under certain settings.	
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 H.264+ Main stream supports H.265+ Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding		Main stream: H.265/H.264/H.265+/H.264+	
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 H.265+ Main stream supports H.265+ Bit Rate Control CBR/VBR Scalable Video Coding (SVC) Third stream is supported under certain settings. 32 Kbps to 8 Mbps Baseline Profile/High Profile Main Profile Main Profile Main Stream Supports H.265 H.265 H.265 and H.264 encoding	Video Compression	Sub-stream: H.265/H.264/MJPEG	
Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile/Main Profile H.265 Type Main Profile H.264+ Main stream supports H.265+ Main stream supports Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding	video Compression	Third stream: H.265/H.264	
H.264 Type Baseline Profile/Main Profile H.265 Type Main Profile H.264+ Main stream supports H.265+ Main stream supports Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding		*Third stream is supported under certain settings.	
H.265 Type Main Profile H.264+ Main stream supports H.265+ Main stream supports Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding	Video Bit Rate	32 Kbps to 8 Mbps	
H.264+ Main stream supports H.265+ Main stream supports Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding	H.264 Type	Baseline Profile/Main Profile/High Profile	
H.265+ Main stream supports Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding	H.265 Type	Main Profile	
Bit Rate Control CBR/VBR Scalable Video Coding (SVC) H.265 and H.264 encoding	H.264+	Main stream supports	
Scalable Video Coding (SVC) H.265 and H.264 encoding	H.265+	Main stream supports	
	Bit Rate Control	CBR/VBR	
Region of Interest (ROI) 1 fixed region for main stream and sub-stream	Scalable Video Coding (SVC)	H.265 and H.264 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
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)
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,
Circultura a sua Liva Viavu	IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
	Password protection, complicated password, HTTPS encryption, IP address filter,
Security	Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE
	and digest authentication for Open Network Video Interface
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
	Plug-in required live view: IE 10+
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+
	Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance
age dettings	adjustable by client software or web browser
Day/Night Switch	Auto, Schedule
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support micro SD/SDHC/SDXC slot, up to 256 GB
Audio	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance:
	4.7 KΩ, interface type: non-equilibrium
	1 output (line out), 3.5 mm connector, 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)
Hardware Reset	Yes
Event	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm,
	exception
Smart Event	Scene change detection
Deep Learning Function	
Face Capture	Yes



	Line crossing detection, intrusion detection, region entrance detection, region exiting
Perimeter Protection	detection
	Supports human and vehicle targets classification
General	Supports number targets dussification
- Centeral	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger
Linkage Method	capture, send email
Camera Material	Aluminum alloy body
Camera Dimension	327.9 mm × 97.9 mm × 90.9 mm (12.9" × 3.9" × 3.6")
	385 mm × 190 mm ×180 mm (15.2" × 7.5" × 7.1")
Package Dimension	·
Camera Weight	Approx. 1520 g (3.4 lb.)
With Package Weight	Approx. 2521 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 Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
	33 languages
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak,
Web Client Language	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
General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel
General Function	counter
Firmware Version	V5.5.113
Software Reset	Yes
Davies Consumentian and Consument	12 VDC, 1.21 A, max. 14.5 W
Power Consumption and Current	PoE (802.3at, 42.5 V to 57 V), 0.43 A to 0.32 A, max. 18 W
Davies County	12 VDC ± 25%
Power Supply	PoE: 802.3at, Class 4
Power Interface	Two-core terminal block
Approval	
	FCC SDoC (47 CFR Part 15, Subpart B);
	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011
	+A1: 2014);
EMC	RCM (AS/NZS CISPR 32: 2015);
	IC VoC (ICES-003: Issue 6, 2016);
	KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1);
	CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);
	CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);
	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), IK10 (IEC 62262:2002)
1 TOLCCHOIT	11 07 (120 00020 2010), INTO (120 02202.2002)

Available Model

DS-2CD2647G2-LZS (3.6 to 9 mm)



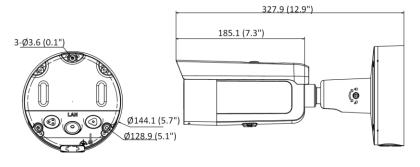
Typical Application

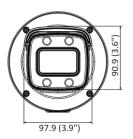
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

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.

Dimension





Unit: mm (inch)

- Accessory
- Optional





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