

DS-2XV6A46G0-LIZH(R)SY(316L)

4 MP Gantry Crane Varifocal Anti-Corrosion Network Camera















- High quality imaging with 4 MP resolution
- Supports low latency, camera decoding with a delay as low as 100 ms
- Expansive night view with up to 50 m white light distance and 100 m IR distance
- Excellent low-light performance via DarkFighter technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Easy installation with Power over Ethernet (PoE) technology and 9 to 36 VDC power input
- Supports Hikvision Embedded Open Platform (HEOP) with 8 TOPS computing power and importing third party applications
- A built-in wiper(-R) removes water and dust on the screen and ensures clear images when the camera is used in dusty or damp environments
- 316L stainless steel enclosure, protecting cameras to be used in corrosive environments, providing reliability and longevity compared to standard cameras
- Water and dust resistant (IP68)



Specification

Camera			
Ima ga Cancar	2.8 to 12 mm: 1/1.8" Progressive Scan CMOS, 8 to 32 mm: 1/1.8" Progressive Scan		
Image Sensor	CMOS, 4.8 to 120 mm: 1/2.7" Progressive Scan CMOS		
Max. Resolution	2688 × 1520		
Shutter Time	1 s to 1/100,000 s		
	2.8 to 12 mm/8 to 32 mm: Color: 0.0005 Lux @ (F1.2, AGC ON), 0 Lux with light, B/W:		
Min. Illumination	0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR; 4.8 to 120mm: Color: 0.001 Lux @ (F1.2,		
	AGC ON), 0 Lux with light, B/W: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR		
Day & Night	IR cut filter		
Angle Adjustment	Pan: -15° to 15°,tilt: -120° to 45°		
Lens			
Focus	Auto,Semi-auto,Manual		
	2.8 to 12 mm, horizontal FOV 99.6° to 39.8°, vertical FOV 52.3° to 22.4°, diagonal FOV		
	119.9° to 45.7°		
	8 to 12 mm, horizontal FOV 40.3° to 14.5°, vertical FOV 22.1° to 8.2°, diagonal FOV		
Focal Length & FOV	46.9° to 16.5°		
	4.8 to 120 mm, horizontal FOV 53.3° to 2.6°, vertical FOV 30.6° to 1.5°, diagonal FOV		
	60.5° to 3°		
Iris Type	Auto-iris		
Aperture	2.8 to 12 mm: Max. F1.47, 8 to 32 mm: Max. F1.7, 4.8 to 120 mm: Max. F1.7		
Illuminator			
Supplement Light Type	IR,White Light		
Supprement Light Type	2.8 to 12 mm: IR: up to 50 m, White Light: up to 30 m		
Supplement Light Range	8 to 32 mm: IR: up to 80 m, White Light: up to 50 m		
Supprement Light Nange	4.8 to 120 mm: IR: up to 100 m, White Light: up to 50 m		
HEOP			
	System memory: 150 MB		
Open Resources	Smart RAM: 1800 MB		
open resources	Flash: 3200 MB		
Computing Power	8 TOPS		
Deep Learning Structure	Caffe,PyTorch,TensorFlow		
Programming Language	C,C++		
Video			
Tiuco	50 Hz: 50 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)		
Main Stream	60 Hz: 60 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)		
	50 Hz: 25 fps (704 × 576, 640 × 480)		
Sub-Stream	60 Hz: 30 fps (704 × 480, 640 × 480)		
	50 Hz: 10 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480)		
Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)		
	Main stream: H.265/H.264/H.265+/H.264+		
Video Compression	Sub-stream: H.265/H.264/MJPEG		
	Third stream: H.265/H.264		
Video Bit Rate	32 Kbps to 16 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	
Target Cropping	Yes	
Audio		
Environment Noise Filtering	Yes	
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz	
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3	
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)	
Audio Type	Mono sound	
Network		
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 1.2, TLS 1.3, host authentication (MAC address)	
Simultaneous Live View	Up to 20 channels	
API	ONVIF, ISAPI, SDK, ISUP	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets	
User/Host	Up to 32 users 3 user levels: administrator, operator, and user	
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+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+	
Image		
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, white balance, AGC, adjustable by client software or web browser	
Wide Dynamic Range (WDR)	120 dB	
Image Stabilization	EIS	
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.	
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger	
Image Enhancement	BLC,HLC,3D DNR,Defog	
Image Parameters Switch	Yes	
SNR	≥ 52 dB	
Privacy Mask	8 programmable polygon privacy masks	
Interface		
Video Output	1 Vp-p Composite Output (75 Ω/CVBS) (Only for debugging)	
Ethernet Interface	1 1000 M self-adaptive Ethernet port, 8-core M12 aviation plug	
	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB	



Audio	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 1 K Ω , interface type:
	non-equilibrium
	1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100Ω ,
	interface type: non-equilibrium
Alarm	1 input, 1 output (max. 12 VDC, 30 mA)
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Event	
	Motion detection (support alarm triggering by specified target types (human and
Basic Event	vehicle)), video tampering alarm, exception (network disconnected, IP address conflict,
	illegal login, HDD full, HDD error)
Smart Event	Scene change detection, audio exception detection, defocus detection, unattended
	baggage detection, object removal detection
linka sa	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm
Linkage	output, trigger recording, trigger capture
Deep Learning Function	
Davimentos Destesti	Line crossing, intrusion, region entrance, region exiting
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)
	1. Supports person detection while the camera is in motion
	2. Max. detectable targets: 64
	3. For 2 MP/4 MP/8 MP resolutions, when target size ranges between 32 × 32/32 ×
Dynamic Area Protection	32/32 × 32 and 64 × 64/128 × 128/256 × 256, select High Mode
	4. For 2 MP/4 MP/8 MP resolutions, when target size ≥64 × 64/128 × 128/256 × 256,
	select Low Mode
General	
	9 to 36 VDC, 2.65 A to 0.65 A, max. 24 W,two-core terminal block,reverse polarity
Power	protection,
	PoE: IEEE 802.3at, 42.5 V to 57 V, 0.56 A to 0.42 A, Class 4
Material	Front cover: Metal, body: Metal, bracket: Metal
Dimension	199.7 mm × 201.9 mm × 209.2 mm (7.9" × 8" × 8.2")
Package Dimension	340 mm × 298 mm × 290 mm (13.4" × 11.7" × 11.4")
Weight	Approx. 3000 g (6.61 lb.)
With Package Weight	Approx. 4000 g (8.82 lb.)
Storage Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating	40.00 - 60.00 / 40.05 - 440.05 11 - 12 - 050 / 1 - / 1 - 1 - 1
Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
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
Wiper	-R: Yes
General Function	Anti-banding, heartbeat, mirror, flash log, password reset via email, pixel counter
Approval	<u> </u>
EMC	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
Safety	CB: IEC 62368-1:2014
Protection	IP68:IEC 60529:1989+AMD1:1999+AMD2:2013
1100000	



Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018),C5
Transport Certification	IATA Dangerous Goods Regulations, Dangerous Goods List, International Maritime
	Dangerous Goods Code, Railway Dangerous Goods List

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 TOP-LEVEL SPECIFIC PROTECTION.

Level	Description
	Hikvision products at this level are equipped for use in
Ton level protection	areas where professional anti-corrosion protection is a
Top-level protection	must. Typical application scenarios include coastlines,
	docks, chemical plants, and more.
	Hikvision products at this level are equipped for use in
	areas with moderate anti-corrosion demands. Typical
Moderate protection	application scenarios include coastal areas about 2
	kilometers (1.24 miles) away from coastlines, as well as
	areas affected by acid rain.
No enocific protection	Hikvision products at this level are equipped for use in
No specific protection	areas where no specific anti-corrosion protection is needed.

Available Model

DS-2XV6A46G0-LIZHRSY(316L)(2.8-12)O-STD

DS-2XV6A46G0-LIZHSY(316L)(8-32mm)

DS-2XV6A46G0-LIZHRSY(316L)(4.8-120)O-STD

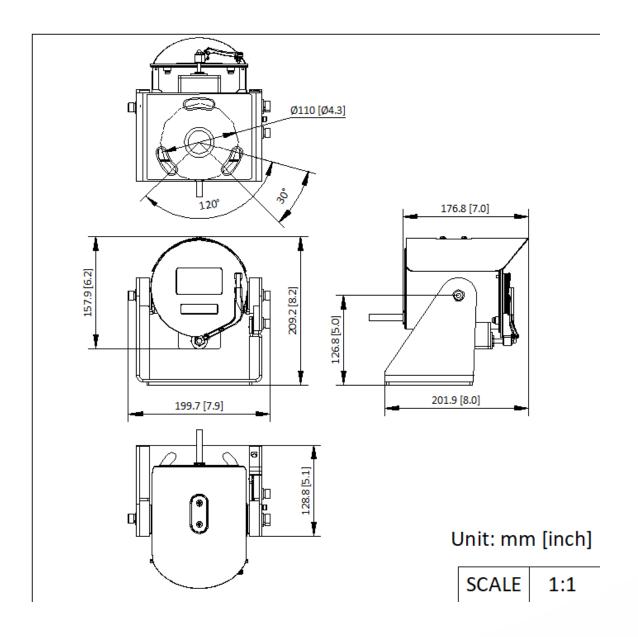
DS-2XV6A46G0-LIZHSY(316L)(2.8-12mm)O-STD

DS-2XV6A46G0-LIZHRSY(316L)(8-32mm)O-STD

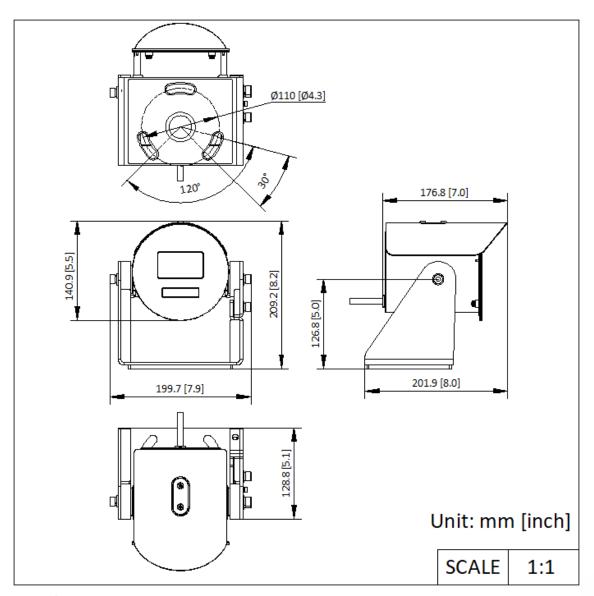
DS-2XV6A46G0-LIZHSY(316L)(4.8-120)O-STD

Dimension

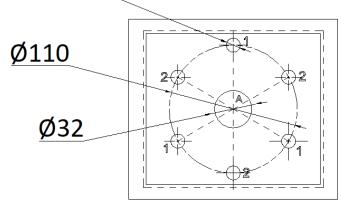








6-Ø12 EQS



Hole position description:

Hole A: Threading hole, opening as required.

Hole 1 and hole 2: two groups of equipment installation holes. It is recommended to open all the holes and select the hole position for installation as required.

See Far, Go Further



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