

DS-2CD3H46G3-LIZSU(Y)/SL

4 MP Dual Illumination Strobe Light and Audible Warning Motorized Varifocal Turret Network Camera

















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.

Hikvision Darkfighter 2.0 technology provides 24/7 vivid colorful images with F1.2 advanced lenses, high performance sensors and friendly lighting. F1.2 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- HIK AI-ISP for excellent noise reduction effect
- 24/7 colorful imaging via Darkfighter 2.0 technology
- Scene-adaptive WDR
- Focus on Person and Vehicle classification based on deep learning
- Built-in arrayed dual-microphone for real-time high quality audio security
- Provide real-time security via built-in two-way audio
- Y: Anti-corrosion design, providing reliability and longevity compared to standard (NEMA4X)
- Smart Hybrid Light: Integrates IR and White lights, 3 supplemental lighting modes
- Water and dust resistant (IP67) and vandal resistant (IK10)
- Active strobe light and audio alarm to warn intruders off



Specification

Camera					
Image Sensor	1/1.8" Progressive Scan CMOS				
Max. Resolution	2688 × 1520				
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR				
Shutter Time	1 s to 1/100,000 s				
Day & Night	IR cut filter				
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°				
Lens					
Lens Type	Varifocal lens, motorized lens, 2.7 to 13.5 mm				
Focal Length & FOV	2.7 to 13.5 mm, horizontal FOV 114.6° to 41.8°, vertical FOV 59.3° to 23.6°, diagonal				
	FOV 141.3° to 48.1°				
Lens Mount	Integrated				
Iris Type	Auto-iris				
Aperture	Max. F1.2				
Depth of Field	1 m to ∞				
DORI					
DON	Wide: D: 61.5 m, O: 24.4 m, R: 12.3 m, I: 6.2 m				
DORI	Tele: D: 151.7 m, O: 60.2 m, R: 30.3 m, I: 15.2 m				
Illuminator					
Supplement Light Type	IR, White Light				
Cunniament Light Dange	IR: up to 40 m				
Supplement Light Range	White Light: up to 40 m				
Smart Supplement Light	Yes				
IR Wavelength	850 nm				
HEOP					
	Memory: 60 MB,				
Open Resources	Smart RAM: 450 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					
	50 Hz: 25 fps (2688 × 1520)				
Main Stroam	60 Hz: 30 fps (2688 × 1520)				
Main Stream	50 Hz: 50 fps (1920 × 1080, 1280 × 720)				
	60 Hz: 60 fps (1920 × 1080, 1280 × 720)				
Sub-Stroam	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)				
Sub-Stream	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)				
	*Third stream is supported under certain settings.				
	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)				
Fourth Stream	60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)				
	*Fourth 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,					
Trace compression	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					
e-PTZ	Support Patrol and Auto Tracking settings					
Audio						
Audio Type	Mono sound					
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC					
	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps					
Audio Bit Rate	(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					
/ u i	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 free live view: Chrome 91+, Firefox 88+, Edge 91+, Safari 13+					
Web Browser	Local service: Chrome 91+, Firefox 88+, Edge 91+					
Image	zocar service of other services of tage services					
Image Parameters Switch	Yes					
image i arameters switch	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					
	130 dB					
Wide Dynamic Range (WDR)						
SNR Imaga Stabilization	≥ 52 dB					
Image Stabilization	EIS					
Image Enhancement	BLC, HLC, 3D DNR, Distortion Correction, Defog					
Privacy Mask	8 programmable polygon privacy masks					



Ccard, up to 512 GB 97 dB. Vpp, input e: 3.3 Vpp, output				
97 dB.				
Vpp, input				
e: 3.3 Vpp, output				
e: 3.3 Vpp, output				
impedance: 100Ω , interface type: non-equilibrium				
2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)				
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email, trigger alarm				
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Yes Yes				
olarity protection,				
170 mm × 170 mm × 225 mm (6.7" × 6.7" × 8.9") Approx. 1265 g (2.8 lb.)				
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ın, Danish, Swedish,				
Fraditional Chinese,				
), Ukrainian				
r, anti-banding				
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EC				



F	CE-RoHS: 2011/65/EU,	
	WEEE: 2012/19/EU,	
Environment	Reach: Regulation (EC) No 1907/2006,	
	-Y: NEMA 4X (NEMA 250-2018)	
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.

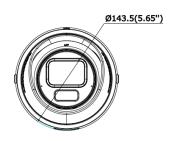
This model has MODERATE PROTECTION.

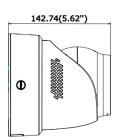
Level	Description		
	Hikvision products at this level are equipped for use in areas where professional		
Top-level protection	anti-corrosion protection is a must. Typical application scenarios include coastlines ,		
	docks, chemical plants, and more.		
	Hikvision products at this level are equipped for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

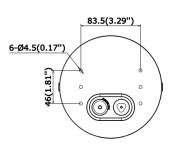
Available Model

DS-2CD3H46G3-LIZSUY/SL(2.7-13.5mm)
DS-2CD3H46G3-LIZSUY/SL(2.7-13.5mm)(Black)

Dimension







Unit: mm(inch)



Accessory

Optional

DS-1618ZJ-Y	DS-1273ZJ-140-Y	DS-1475ZJ-Y	DS-1476ZJ-Y	DS-1271ZJ-140-Y
		AAA		
DS-1663ZJ-Y	DS-1661ZJ-Y			
	S.			

See Far, Go Further



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