DS-2XS6A46G1-IZS-UHK/4G
4 MP Motorized Varifocal 4G Bullet Network Camera

AcuSense

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- Clear imaging against strong back light due to 120 dB true WDR technology

- Focus on human and vehicle targets classification based on deep learning

- LTE-TDD/LTE-FDD/WCDMA/GSM 4G wireless network transmission, support Micro SIM card

- Water and dust resistant (IP67)

- Built-in high-capacity eMMC storage

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0 Lux with light
Max. Resolution	4MP
Shutter Time	1 s to 1/100,wdr000 s
Lens	
Lens Type	Auto, Semi-auto, Manual
Focal Length ＆ FOV	2.8 to 12 mm, horizontal FOV 107.4°to 39.8°, vertical FOV 56°to 22.4°, diagonal FOV 130.1°to 45.7°, support 3.6mm lens 8 to 32 mm, horizontal FOV 40.3°to 14.5°, vertical FOV 22.1°to 8.2°, diagonal FOV 46.9°to 16.5°
Iris Type	Auto-iris
Lens Mount	All In One Lens
Aperture	2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6
DORI	
DORI	2.8 to 12 mm: Wide: D: 60.0 m, O: 23.8 m, R: 12.0 m, I: 6.0 m Tele: D: 149.0 m, O: 59.1 m, R: 29.8 m, I: 14.9 m 8 to 32 mm: Wide: D: 150.3 m, O: 59.7 m, R: 30.1 m, I: 15.0 m Tele: D: 400 m, O: 158.7 m, R: 80 m, I: 40 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	2.8 to 12 mm: Up to 30 m 8 to 32 mm: Up to 50 m
Smart Supplement Light	Yes
Video	
Main Stream	Performance mode: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Proactive mode: 50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	Performance mode: 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) Proactive mode: 50 Hz: 12.5 fps (640 × 480, 640 × 360) 60 Hz: 15 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 1 fps (1280 × 720, 640 × 480) 60 Hz: 1 fps (1280 × 720, 640 × 480)

Video Compression	Main stream: H.264/H.265
	Sub-stream: H.264/H.265/MJPEG
	Third Stream: H.265/H.264
	*Performance mode: main stream supports H.264+, H.265+
Video Bit Rate	32 Kbps to 8 Mbps
H.265 Type	Main Profile
H.264 Type	Baseline Profile,Main Profile,High Profile
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions for main 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/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface, ONVIF compliant (Profile S, G, T), ISAPI, SDK, ISUP, OTAP
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP,UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
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, TLS 1.2, TLS 1.3
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	Hik-Connect (proactive mode also supports), Hik-central Professional
Web Browser	Plug-in required live view: IE 10+
	Plug-in free live view: Chrome 57.0+, Firefox 52.0+
	Local service: Chrome 57.0+, Firefox 52.0+
Mobile Communication	
SIM Card Type	MicroSIM
Frequency	LTE-TDD: Band38/40/41
	LTE-FDD: Band1/3/5/7/8/20/28
	WCDMA: Band1/5/8
	GSM: 850/900/1800 MHz
Standard	LTE-TDD/LTE-FDD/WCDMA/GSM
Image	
Wide Dynamic Range (WDR)	120 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR, Defog

Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
3D zoom option	Yes, drawing a rectangle in the camera FOV to zoom in/out
Home position function	Yes
SNR	≥ 52 dB
Privacy Mask	4 programmable polygon privacy masks
Interface	
Audio	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	1 input, 1 output (max. 12 VDC, 1 A)
On-Board Storage	Built-in memory card slot, support microSD card, up to 256 GB, Built-in 256 GB eMMC storage (256 GB device model supports)
Reset Key	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Power Output	12 VDC, max. 1000 mA
Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD error)
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, scene change detection, face detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output, audible warning
General	
Power	12 VDC ± 20%, 4-pin M8 waterproof connector 1. Standby power consumption: 45 mW 2. The average power consumption of 24 hours (4G transmission is excluded): 3 W 3. The max. power consumption: 18 W (6 W if without 12 V load)
Material	Front cover: metal, body: metal, bracket: metal
Dimension	816.2 mm × 735.9 mm × 760 mm (32.1" × 28.9" × 29.9") (Max. size of the camera after it is completely assembled)
Package Dimension	862 mm × 352 mm × 762 mm (33.9" × 13.9" × 30.0")
Weight	Approx. 26.450 kg (58.3 lb.)
With Package Weight	Approx. 32.715 kg (72.1 lb.)
Storage Conditions	-20 °C to 60 °C (-4 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-20 °C to 60 °C (-4 °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
General Function	Anti-banding, heartbeat, mirror, flash log, password reset via email, pixel counter

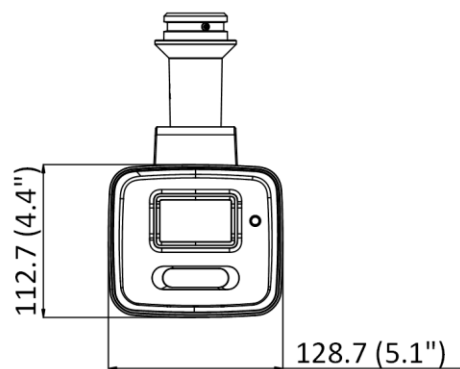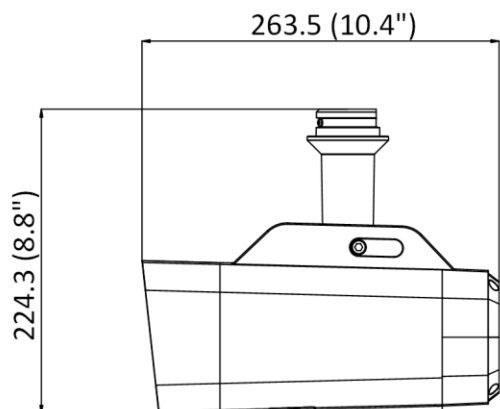| Approval	
EMC	CE-EMC/UKCA (EN 55032:2015+A11:2020+A1:2020,EN 50130-4:2011+A1:2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 7)
RF	CE-RED/UKCA (EN 301908-1,EN 301908-2,EN 301908-13, EN 301511,EN 301489-1,EN 301489-52,EN 62133); ICASA: same as CE-RED; IC ID (RSS-132 Issue 3, RSS-133 Issue 6, RSS-139 Issue 3, RSS-130 Issue 2, RSS-102 Issue 5); MIC (Article 49-6-4 and 49-6-5 the relevant articles and MIC Notice No. 1299 of the Ordinance Regulating Radio Equipment)
Safety	CB (IEC 62368-1:2014+A11) CE-LVD/UKCA (EN 62368-1:2014/A11:2017) LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	Camera: IP67 (IEC 60529-2013) Wind resistance 12 level, up to 40 m/s wind speed resistance

▪ 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

263.5 (10.4")

224.3 (8.8")

112.7 (4.4")

128.7 (5.1")

Unit: mm (inch)