

DS-2XS6A46G1E-LIZS/C36S80**4 MP Strobe Light and Audible Warning Solar Power 4G Network Camera Kit**

AcuSense



It can be used in the areas that are not suitable for laying wired network and electric supply lines, or used for the scenes that feature tough environment and have high demanding for device stability. It can be used for monitoring the farms, electric power cables, water and river system, oil pipelines and key forest areas.

It also can be used in the temporary monitoring scenes, such as the large-scale competitions, the sudden public activity, the temporary traffic control and the city construction.

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.

- 80 W photovoltaic panel, 360 Wh chargeable lithium battery
- Clear imaging against strong back light due to 120 dB true WDR technology
- Focus on human and vehicle targets classification based on deep learning
- Support battery management, battery display, battery high-low temperature protection, charge-discharge protection, low-battery sleep protection and remote wakeup
- LTE-TDD/LTE-FDD/WCDMA/GSM 4G wireless network transmission, support Micro SIM card
- Active strobe light and audio alarm to warn intruders off
- Provides real-time security via built-in two-way audio
- Smart Hybrid Light: advanced technology with long range
- Water and dust resistant (IP66)
- Built-in high-capacity eMMC storage
- Supports external antenna expansion for more flexible antenna positioning and enhanced wireless signal quality

▪ 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	2688 × 1520
Shutter Time	1 s to 1/100,000 s
Lens	
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 103.9° to 48.2°, vertical FOV 55.1° to 27.2°, diagonal FOV 125.3° to 55.5° 8 to 32 mm, horizontal FOV 42.5° to 15.2°, vertical FOV 23.4° to 8.7°, diagonal FOV 49.7° to 17.3°
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional
Focus	Auto, Semi-auto, Manual
Iris Type	Auto-iris
Aperture	2.8 to 12 mm: F1.4, 8 to 32 mm: F1.7
Lens Mount	All In One Lens
DORI	
DORI	2.8 to 12 mm: Wide: D: 64.7 m, O: 25.7 m, R: 12.9 m, I: 6.5 m Tele: D: 128.7 m, O: 51.1 m, R: 25.7 m, I: 12.9 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 and White
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 (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Proactive mode: 50 Hz: 12.5 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2688 × 1520, 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	Performance mode/Proactive mode:: 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
Scalable Video Coding (SVC)	H.264 and H.265 encoding
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/48 kHz
Environment Noise Filtering	Yes
Network	
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP, OTAP
Protocols	RTSP, DDNS, RTP, ICMP, QoS, IGMP, SNMP, SFTP, DNS, Bonjour, SMTP, IPv4, UDP, NTP, FTP, SSL/TLS, IPv6, HTTPS, HTTP, WebSocket, DHCP, WebSockets, TCP/IP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 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	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), HikCentral Professional, iVMS-4200
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+
Mobile Communication	
SIM Card Type	MicroSIM
Frequency	DS-2XS6A46G1E-LIZS/C36S80: LTE-TDD: Band38/40/41 LTE-FDD: Band1/3/5/7/8/20/28 WCDMA: Band1/5/8 GSM: 850/900/1800 MHz DS-2XS6A46G1E-LIZS/C36S80(LA): LTE-TDD: Band38/40 LTE-FDD: Band1/2/3/4/5/7/8/12/17/28/66 WCDMA: Band1/2/3/4/5/8 GSM: 850/900/1800/1900 MHz

Standard	DS-2XS6A46G1E-LIZS/C36S80: LTE-TDD/LTE-FDD/WCDMA/GSM DS-2XS6A46G1E-LIZS/C36S80 (LA): LTE-TDD/LTE-FDD/WCDMA/GSM
Image	
Wide Dynamic Range (WDR)	120 dB
Day/Night Switch	Day,Night,Auto,Schedule,Alarm Trigger
Image Enhancement	HLC,BLC,3D DNR
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
SNR	≥ 52 dB
Privacy Mask	4 programmable rectangle privacy masks
Interface	
Built-in Microphone	Yes
Built-in Speaker	1 built-in speaker,Max. power consumption: 1.5 W, max. sound pressure level: 10 cm: 98 dB.
Alarm	1 input, 1 output (max. 12 VDC, 1 A)
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB, Built-in eMMC storage, up to 256 GB
Reset Key	Yes
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Power Output	12 VDC, max. 1000 mA
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,alarm input and output
Smart Event	Line crossing detection,intrusion detection,region entrance detection,region exiting detection,unattended baggage detection,object removal detection
Linkage	Upload to FTP/NAS/memory card,trigger alarm output,audible warning,trigger recording,notify surveillance center,send email,white light flashing
Deep Learning Function	
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Support alarm triggered by specified target types (human and vehicle)
General	
Power	12 VDC ± 10%, 1. Standby power consumption: 0.14W 2. The average power consumption of 24 hours (4G transmission is excluded): 2.96 W 3. The max. power consumption: 20 W (7 W if without 12 V load)
Material	Battery: Front cover: metal, Battery body: plastic Camera: Front cover: metal, body: plastic, Racket: metal
Dimension	662.11 mm × 720 mm × 579.76 mm (26.07" × 28" × 22.83") (Max. size of the camera after it is completely assembled)
Package Dimension	834 mm × 414 mm × 702 mm (32.9" × 16.3" × 27.6")

Weight	Approx. 13.045 kg (28.76 lb.)
With Package Weight	Approx. 21.82 kg (48.10 lb.)
Storage Conditions	-25 °C to 60 °C (-13 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-25 °C to 60 °C (-13 °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
Flashing Light	Red and Blue Light
Battery	
Battery Type	Lithium
Capacity	360 Wh (90 Wh for each battery)
Max. Output Voltage	12.6 V
Battery Voltage	10.8 V
Operating Temperature	Charging: -25 °C to 45 °C (-13 °F to 113 °F) Discharging: -25 °C to 60 °C (-13 °F to 140 °F)
Battery Life	More than 500 cycles
Cycle Lifetime	Proactive mode: 5 days, Standby mode: 80 days *in cloudy/rainy days (25 °C)
Battery Weight	Approx. 2.74 kg (6.0 lb.) (0.685 kg (1.5 lb.) for each battery)
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; ICID (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: IP66 (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.

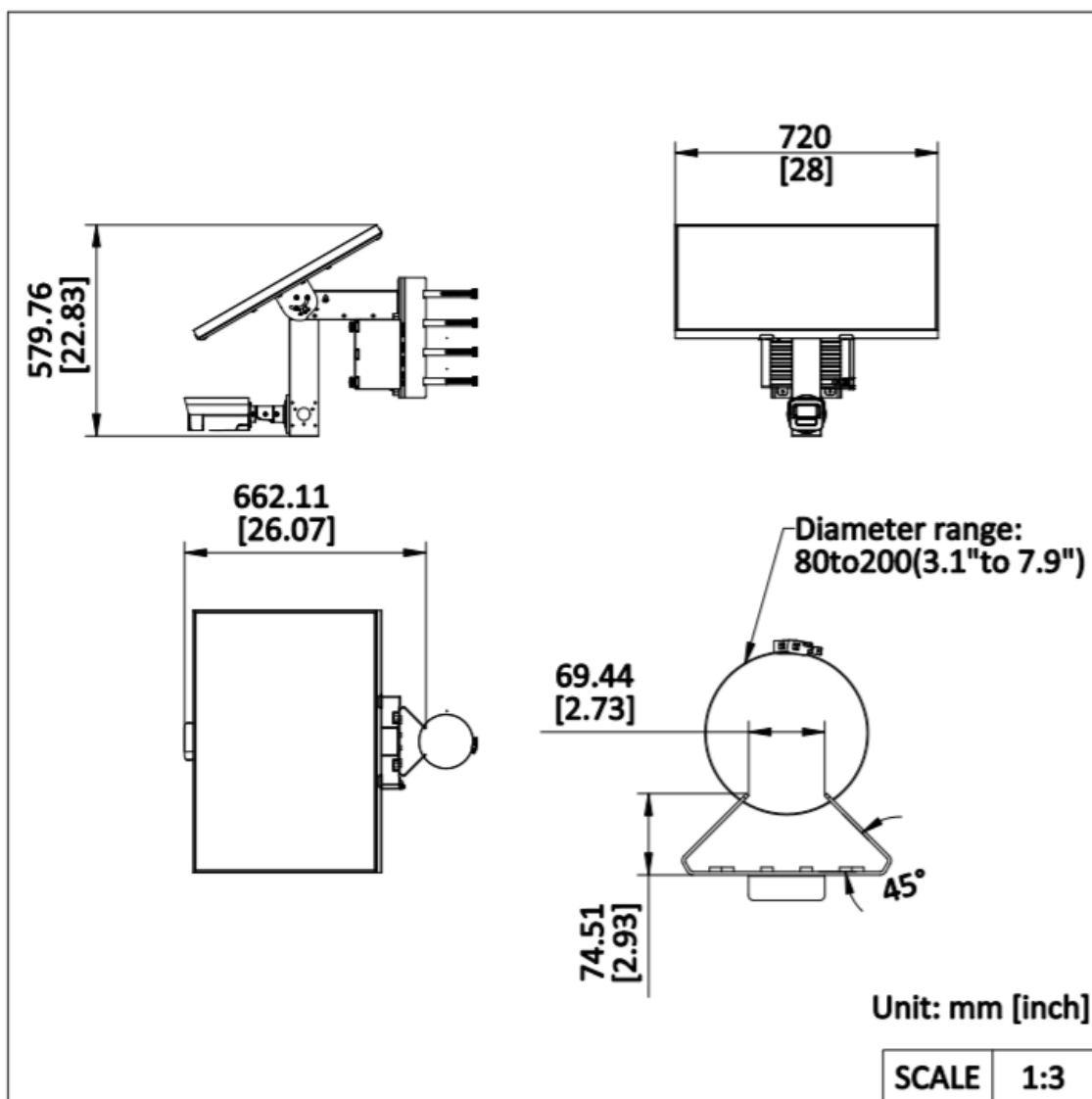
This model has NO SPECIFIC PROTECTION.

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.

▪ Available Model

DS-2XS6A46G1E-LIZS/C36S80(2.8-12)O-STDNB
 DS-2XS6A46G1E-LIZS/C36S80(8-32mm)O-STDNB
 DS-2XS6A46G1E-LIZS/C36S80(2812)O-STDNBLA
 DS-2XS6A46G1E-LIZS/C36S80(8-32)O-STDNBLA
 DS-2XS6A46G1-LIZS/4G(2.8-12mm)
 DS-2XS6A46G1E-LIZS/C36S80(2.8-12mm)O-STD
 DS-2XS6A46G1E-LIZS/C36S80(8-32mm)
 DS-2XS6A46G1E-LIZS/C36S80(2.8-12)OSTD/LA
 DS-2XS6A46G1E-LIZS/C36S80(8-32mm)OSTD/LA
 DS-2XS6A46G1E-LIZS/C36S80(2.8-12)O-NEUNB
 DS-2XS6A46G1E-LIZS/C36S80(2.8-12mm)O-NEU

▪ Dimension



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www.hikvision.com
support@hikvision.com

