

DS-2XS6A46G1-IZS/C36S80

4 MP Motorized Varifocal Bullet Solar 4G Camera Kit



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
- Water and dust resistant (IP66)
- Built-in high-capacity eMMC or SSD storage

**The Wi-Fi module of this product only supports AP mode on Channel 11, and does not support other modes and channels.*

▪ Specification

| Camera | |
|------------------------|--|
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Max. Resolution | 2560 × 1440 |
| Min. Illumination | Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0 Lux with light |
| Shutter Time | 1 s to 1/100,000 s |
| Lens | |
| 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° 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° |
| Lens Type | Auto, Semi-auto, Manual |
| Iris Type | Auto-iris |
| Aperture | 2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6 |
| Lens Mount | All In One Lens |
| 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.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) | 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 (Profile S, Profile G, Profile 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 | <p>DS-2XS6A46G1-IZS/C36S80: LTE-TDD: Band38/40/41 LTE-FDD: Band1/3/5/7/8/20/28 WCDMA: Band1/5/8 GSM: 850/900/1800 MHz</p> <p>DS-2XS6A46G1-IZS/C36S80(US): LTE-FDD: Band2/4/5/12/13/66/71 WCDMA: Band2/4/5</p> <p>DS-2XS6A46G1-IZS/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</p> <p>DS-2XS6A46G1-IZS/C36S80(JP): LTE-TDD: Band41 LTE-FDD: Band1/3/8/11/18/19/21/26/28 WCDMA: Band1/6/8/19</p> |
| Standard | <p>DS-2XS6A46G1-IZS/C36S80: LTE-TDD/LTE-FDD/WCDMA/GSM DS-2XS6A46G1-IZS/C36S80 (US): LTE-FDD/WCDMA DS-2XS6A46G1-IZS/C36S80 (LA): LTE-TDD/LTE-FDD/WCDMA/GSM DS-2XS6A46G1-IZS/C36S80 (JP): LTE-TDD/LTE-FDD/WCDMA</p> |
| 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 |
| SNR | ≥ 52 dB |
| Privacy Mask | 4 programmable polygon privacy masks |
| Interface | |
| Audio | <p>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</p> |
| Alarm | 1 input, 1 output (max. 12 VDC, 1 A) |
| On-Board Storage | <p>Built-in memory card slot, support microSD card, up to 256 GB, Built-in 256 GB eMMC storage (256 GB device model supports), Built-in 512 GB SSD storage (512 GB device model supports), Built-in 1 TB SSD storage (1 TB device model supports)</p> |
| 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 | <p>12 VDC \pm 20%, 4-pin M8 waterproof connector</p> <p>1 TB/512 GB device model:</p> <ol style="list-style-type: none"> Standby power consumption: 45 mW The average power consumption of 24 hours (4G transmission is excluded): 4.5 W The max. power consumption: 20 W (6 W if without 12 V load) <p>Other device model:</p> <ol style="list-style-type: none"> Standby power consumption: 45 mW The average power consumption of 24 hours (4G transmission is excluded): 3 W 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 \times 735.9 mm \times 760 mm (32.1" \times 28.9" \times 29.9") (Max. size of the camera after it is completely assembled) |
| Package Dimension | 862 mm \times 352 mm \times 762 mm (33.9" \times 13.9" \times 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 |
| 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: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F) |
| Cycle Lifetime | Performance mode: 5 days, Proactive mode: 8 days, Standby mode: 80 days *in cloudy/rainy days (25 °C) |
| Battery Life | More than 500 cycles |
| 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; 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: 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.

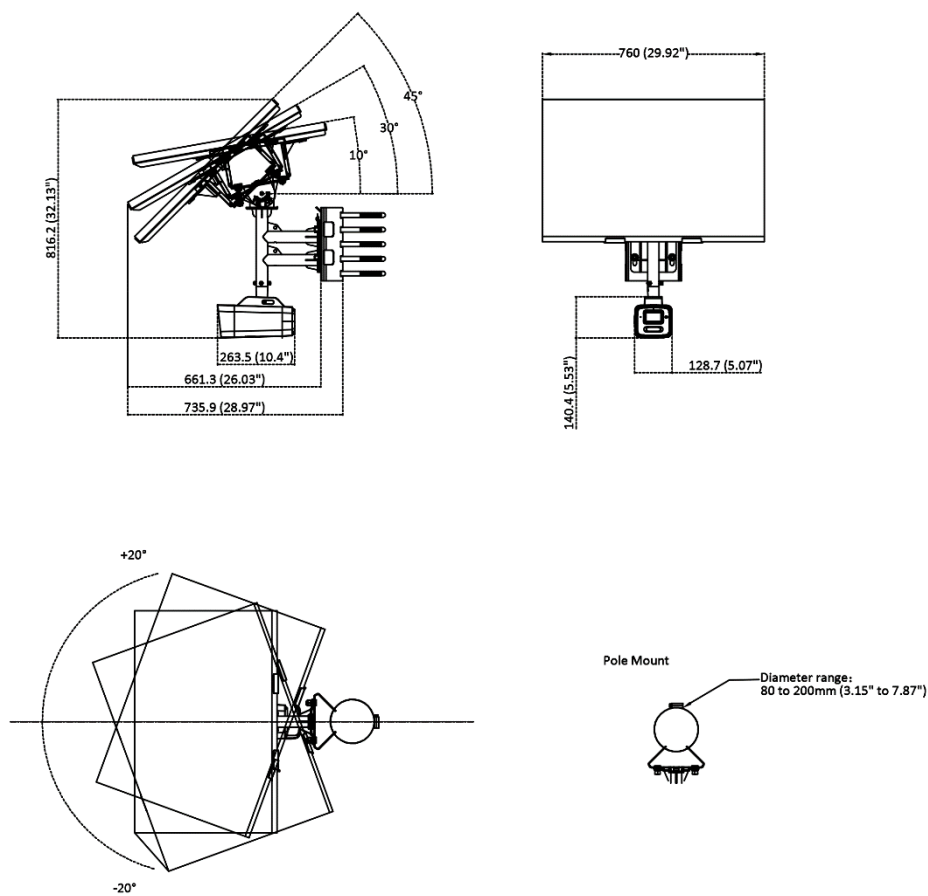
| Level | Description |
|------------------------|--|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. |
| Moderate protection | 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-2XS6A46G1-IZS/C36S80 (2.8-12mm)

DS-2XS6A46G1-IZS/C36S80 (8-32mm)

▪ **Dimension**



Unit: mm (inch)

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