

DS-2XS6A87G1-LS/C36S80 4K ColorVu Fixed Bullet Solar 4G Camera Kit

ColorVu

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.

Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

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.

- High quality imaging with 3840 × 2160@ 15 fps resolution
- 24/7 Colorful imaging
- Clear imaging against strong back light due to 130 dB true WDR technology
- Focus on human and vehicle targets classification based on deep learning
- 80 W photovoltaic panel, 360 WH chargeable lithium battery
- 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
- Camera: Water and dust resistant (IP67)
- Built-in 64 GB eMMC storage

▪ Specification

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/1.2" Progressive Scan CMOS |
| Max. Resolution | 3840 × 2160 |
| Min. Illumination | Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light |
| Shutter Time | 1 s to 1/100,000 s |
| Lens | |
| Focal Length & FOV | 2.8 mm, horizontal FOV: 101.6°, vertical FOV: 52.4°, diagonal FOV: 124° 4 mm, horizontal FOV: 88.0°, vertical FOV: 47.0°, diagonal FOV: 104.3° |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Iris Type | Fixed |
| Lens Mount | M22 |
| Aperture | F1.0 |
| DORI | |
| DORI | 2.8 mm: D: 96 m, O: 38 m, R: 19m, I: 9.5 m 4 mm: D: 107 m, O: 42 m, R: 21 m, I: 10 m |
| Illuminator | |
| Supplement Light Type | White Light |
| Supplement Light Range | Up to 30 m |
| Smart Supplement Light | Yes |
| Video | |
| Main Stream | 50 Hz: 12.5 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (3840 × 2160, 2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 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.265 Sub-stream: H.264/H.265/MJPEG Third Stream: H.265/H.264 *Performance mode: main stream supports H.265+ |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| H.265 Type | Main Profile |
| Bit Rate Control | CBR/VBR |
| Scalable Video Coding (SVC) | 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 |

| | |
|-----------------------------|--|
| 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-2XS6A87G1-LS/C32S80:</p> <p>LTE-TDD: Band38/40/41</p> <p>LTE-FDD: Band1/3/5/7/8/20/28</p> <p>WCDMA: Band1/5/8</p> <p>GSM: 850/900/1800MHz</p> <p>DS-2XS6A87G1-LS/C32S80 (US):</p> <p>LTE-FDD: Band2/4/5/12/13/66/71</p> <p>WCDMA: Band2/4/5</p> <p>DS-2XS6A87G1-LS/C32S80 (LA):</p> <p>LTE-TDD: Band38/40</p> <p>LTE-FDD: Band1/2/3/4/5/7/8/12/17/28/66</p> <p>WCDMA: Band1/2/3/4/5/8</p> <p>GSM: 850/900/1800/1900MHz</p> <p>DS-2XS6A87G1-LS/C32S80 (JP):</p> <p>LTE-TDD: Band41</p> <p>LTE-FDD: Band1/3/8/11/18/19/21/26/28</p> <p>WCDMA: Band1/6/8/19</p> |
| Standard | <p>DS-2XS6A87G1-LS/C32S80: LTE-TDD/LTE-FDD/WCDMA/GSM</p> <p>DS-2XS6A87G1-LS/C32S80 (US): LTE-FDD/WCDMA</p> <p>DS-2XS6A87G1-LS/C32S80 (LA): LTE-TDD/LTE-FDD/WCDMA/GSM</p> <p>DS-2XS6A87G1-LS/C32S80 (JP): LTE-TDD/LTE-FDD/WCDMA</p> |
| Image | |
| Wide Dynamic Range (WDR) | 130 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 | |
| RS-485 | 1 RS-485 (half duplex, connect to external battery) |
| 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(s), 1 output(s) (max. 12 VDC, 1 A) |
| On-Board Storage | Built-in memory card slot, support microSD card, up to 256 GB; Built-in 64 GB eMMC storage |
| 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 *Smart events are only supported under performance mode. |
| 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: 53 mW 2. The average power consumption of 24 hours: 2 W (4G transmission is excluded). 3. The max. power consumption: 3.2 W |
| Material | Front cover: metal, body: metal, bracket: metal |
| Dimension | 882.6 mm × 706.3 mm × 760 mm (34.8" × 27.8" × 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. 30.2 kg (66.5 lb.) |
| With Package Weight | Approx. 36.3 kg (80.0 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, privacy mask, flash log, password reset via email, pixel counter |
| Battery | |
| Battery Type | Lithium |
| Capacity | 360 WH (90 WH for each battery) |

| | |
|-----------------------|--|
| Battery Voltage | 10.8 V |
| Max. Output Voltage | 12.6 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. 3.3 kg (7.3 lb.) |
| Extended Dimension | 221 mm × 84 mm × 37.3 mm (8.7" × 3.3" × 1.5") |
| Approval | |
| EMC | CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011+A1: 2014); RCM (AS/NZS CISPR 32: 2015); FCC (47 CFR Part 15, Subpart B); IC (ICES-003: Issue 7) |
| RF | CE: CE-RED (EN 301908-1,EN 301908-2,EN 301908-13, EN 301511,EN 301489-1,EN 301489-52,EN 62133); ICASA: same as CE-RED FCC ID (47 CFR Part15 Subpart C); 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 (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. |

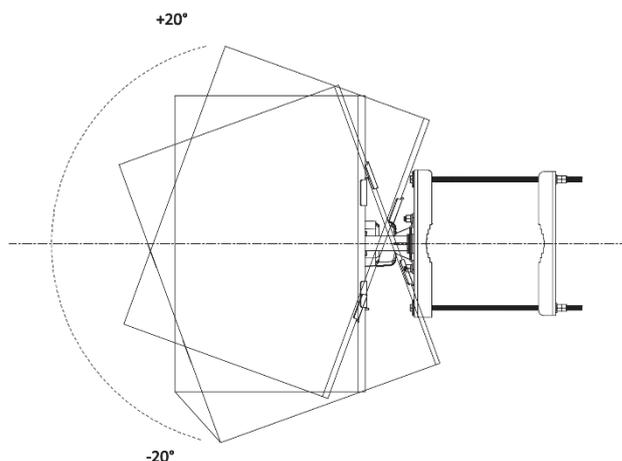
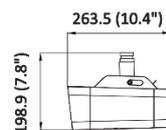
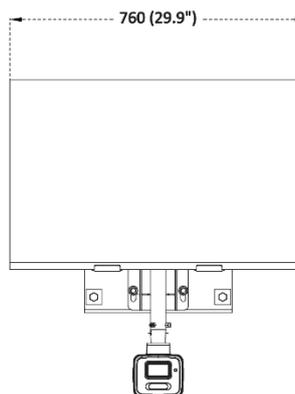
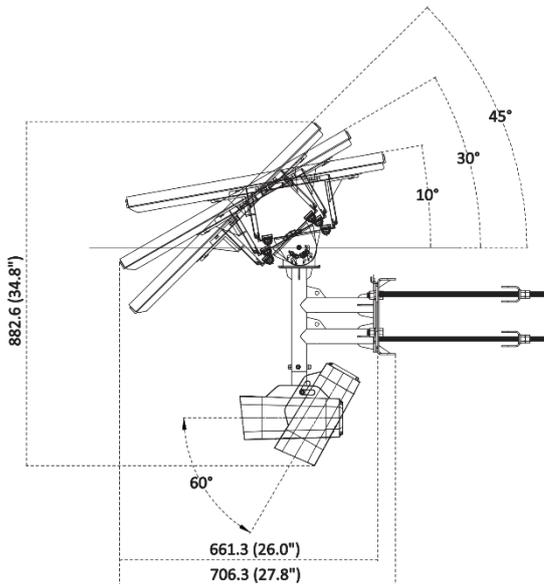
No specific protection

Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

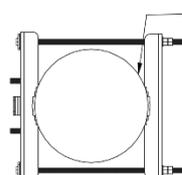
▪ **Available Model**

DS-2XS6A87G1-LS/C36S80(2.8/4 mm)

▪ **Dimension**



Pole Mount



Diameter range:
160 to 290 mm (6.3" to 11.4")

Unit: mm (inch)

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