



Suitable for
Commercial use.

100% OFF GRID

LUNAR SOLAR CCTV COLUMN

solarvisionlighting.com

SOLAR
VISION
LIGHTING TECHNOLOGIES

100% OFF GRID

LUNAR SOLAR CCTV

TECHNICAL SPECIFICATIONS

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| Camera | HIKVISION |
| Code | DS-2XS6A87G1-L |
| Camera Technology | 4K ColourVu Fixed Bullet Solar Power 4G Network Camera <ul style="list-style-type: none"> High quality imaging with 8MP @ 15fps resolution 24/7 Colourful Imaging Clear imaging against strong back light due to 120dB true WDR technology |

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| General | |
| Power | 12 VDC ± 20%, Ø5.5 mm coaxial power plug <ol style="list-style-type: none"> Standby power consumption: 53 mW The average power consumption of 24 hours: 2W (4G transmission is excluded). The max. power consumption: 3.2 W |
| Material | Front Cover: Metal / Body: Metal / Bracket: Metal |

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| Camera | |
| Image Sensor | 1/1.2" Progressive Scan CMOS |
| Min. Illumination | 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with white light |
| Max. Resolution | 3840 x 2160 |
| Shutter Time | 1 s to 1/100,000 s |

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| Lens | |
| Focal Length & FOV | 2.8 mm horizontal FOV: 101.6°, vertical FOV: 52.4°, diagonal FOV: 124° 4 mm, horizontal FOV: 88.2°, vertical FOV: 48.7°, diagonal FOV: 101.8° |
| Lens Type | Fixed focal lens, 2.8mm and 4mm optional |
| Iris Type | Fixed |
| Aperture | F1.0 |
| Lens Mount | M20 |

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| DORI | |
| DORI | 2.8 mm D: 44 m, O: 17.5 m, R: 9 m, I: 4.5 m 4 mm D: 53 m, O: 21 m, R: 11 m, I: 5 m |

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| Illuminator | |
| Supplement Light Type | White Light |
| Supplement Light Range | Up to 30m |
| Smart Supplement Light | Yes |

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| 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) |
| Video Compression | Main stream: H.265 / Sub-stream: H.265/MJPEG *Full power mode: main stream supports H.265+ |
| Video Bit Rate | 32 Kbps to 16 Kbps |

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| Network | |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP |
| Security | Password protection, complicated password, HTTPS encryption, 802.1X authentication (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 |



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| Event | |
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login HDD full, HDD error) |
| Smart Event | <ul style="list-style-type: none"> Line crossing detection, up to 4 regions configurable Intrusion detection, up to 4 regions configurable Region entrance detection, up to 4 regions configurable Region exiting detection, up to 4 regions configurable Unattended baggage detection, up to 4 regions configurable Object removal detection, up to 4 regions configurable The smart events are only supported under full power mode. |
| Linkage | Upload to FTP/NAS/memory card, notify surveillance centre, send email, trigger recording, trigger capture |

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| Accessory Input | |
| SIM card type | MicroSIM |
| On-board Storage | Memory card slot, supports microSD card up to 256GB |

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| Battery Pack | |
| Battery Type | Lithium Iron Phosphate - LiFeP04 (2000 Cycles) |
| Battery Capacity | 12.8V 461WH 36AH |
| Battery Lifetime | >4000 Cycles DOD 50% or >2000 Cycles at 100% DOD |
| Charge Time | 3 Hours |

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| Controller | |
| System | Programmable MPPT Controller / Hybrid / Wireless |
| Charge Mode | MPPT |
| System Voltage | 12V |
| Efficiency | >98% |
| Setting Method | Remote Control / Remote Access |
| Installation Method | Built-In |
| IP Rating | IP68 |

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| Solar Charge | Q100 | Q140 | Q200 |
| Structure | Aluminium Alloy | | |
| Dimensions (mm) | 228x200x1160 | 228x200x1560 | 228x200x2065 |
| Pmax | 100wp x2 | 140wp x2 | 200wp x2 |
| Vmp | 36V | | |
| Solar Cell Efficiency | 21.20% | | |
| Cable | MC4 0.6 meter | | |
| Lifetime | 25 years | | |
| Warranty | 3 years | | |
| Certificates | CE - ROHS - FCC - IP67 - LM80 - CQC - IK10 - LM79 - SABER - CB | | |

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