



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

Camera	HIKVISION
Code	DS-2XS6A87G1-L
Camera Technology	4K ColourVu Fixed Bullet Solar Power 4G Network Camera - High quality imaging with 8MP @ 15fps resolution 24/7 Colourful Imaging - Clear imaging against strong back light due to 120dB true WDR technology

General	
Power	12 VDC $\pm$ 20%, Ø5.5 mm coaxial power plug - 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

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

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

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

Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Up to 30m
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)
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

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



Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login HDD full, HDD error)
Smart Event	- 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

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

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

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

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 - COC - IK10 - LM79 - SABER - CB		

T +44 (0)1923 726 150

E info@svlt.co.uk

SolarVision Lighting Technologies

W solarvisionlighting.com