

# EYE-LITE SOLAR SECURITY MONITOR



## Eye-Lite Design

The Eye-Lite range of CCTV surveillance offers a reliable and cost effective solution for remote locations with no access to power or data infrastructure. It is designed as a standalone unit powered entirely by solar energy and lithium batteries.

The Eye-Lite range comes in static and PTZ versions, and along with a wide range of features they can be used for many types of environments and applications.

Video storage and viewing can be remote using the CamHi application software or simply stored locally via the camera's onboard storage device. Controlling the camera remotely is user friendly using the CamHi application software.



## Applications

Eye-Lite Solar CCTV monitoring systems are a unique and versatile camera for many applications where power and cabling are difficult and/or expensive. With Wi-Fi and 4G versions available, most remote locations are a possibility and making the Sun-Lite Solar Cam an ideal solution for applications such as

- Temporary sites
- Construction sites
- Kiosks
- Camping sites
- Farming
- Car parks
- Any remote locations where grid and comms are a challenge





**Can be set up to individual application requirements**

## Key Advantages

- Wi-Fi and 4G
- Carbon neutral
- Local video storage
- System health and battery status monitoring system
- Fully remote controlled
- Wireless
- Proven in the field
- App controlled
- IR night vision
- Optional LED lamp



# SPECIFICATION

	Model No.	Items	Spec	Main components	Lifetime
	<b>EL0101</b>	1. Solar panel	60W	Mono-crystalline silicon solar panels, transition efficiency≥ 20%	≥25 Years
	WIFI/network cable 12V30AH	2. Lithium rechargeable battery	30AH	Lithium rechargeable battery,no momery, small volume,waterproof,integrated design	≥5 Years
		3. Monitor collect ways		WIFI/network cable	
	<b>EL0102</b>	1. Solar panel	60W	Mono-crystalline silicon solar panels, transition efficiency≥ 20%	≥25 Years
WIFI/4G/ network cable 12V30AH	2. Lithium rechargeable battery	30AH	Lithium rechargeable battery,no momery, small volume,waterproof,integrated design	≥5 Years	
	3. Monitor collect ways		WIFI/network cable/4G		
	<b>EL0103</b>	1. Solar panel	60W	Mono-crystalline silicon solar panels, transition efficiency≥ 20%	≥25 Years
	WIFI/network cable 12V30AH	2. Lithium rechargeable battery	30AH	Lithium rechargeable battery,no momery, small volume,waterproof,integrated design	≥5 Years
		3. Monitor collect ways		WIFI/network cable	
	<b>EL0104</b>	1. Solar panel	60W	Mono-crystalline silicon solar panels, transition efficiency≥ 20%	≥25 Years
WIFI/4G/ network cable 12V30AH	2. Lithium rechargeable battery	30AH	Lithium rechargeable battery,no momery, small volume,waterproof,integrated design	≥5 Years	
	3. Monitor collect ways		WIFI/network cable/4G		
	<b>EL0201</b>	1. Solar panel	60W	Mono-crystalline silicon solar panels, transition efficiency≥ 20%	≥25 Years
	WIFI/network cable 12V/12W/30AH	2. Lithium rechargeable battery	30AH	Lithium rechargeable battery,no momery, small volume,waterproof,integrated design	≥5 Years
		3. Light source	12W/1800LM	high quality LED beads, life time 50000 hours	≥50000H
		4. Monitor collect ways		WIFI/network cable	
<b>EL0202</b>	1. Solar panel	60W	Mono-crystalline silicon solar panels, transition efficiency≥ 20%	≥25 Years	
WIFI/4G/ network cable 12V/12W/30AH	2. Lithium rechargeable battery	30AH	Lithium rechargeable battery,no momery, small volume,waterproof,integrated design	≥5 Years	
	3. Light source	12W/1800LM	high quality LED beads, life time 50000 hours	≥50000H	
	4. Monitor collect ways		WIFI/network cable/4G		
	<b>EL0203</b>	1. Solar panel	60W	Mono-crystalline silicon solar panels, transition efficiency≥ 20%	≥25 Years
	WIFI/network cable 12V/12W/30AH	2. Lithium rechargeable battery	30AH	Lithium rechargeable battery,no momery, small volume,waterproof,integrated design	≥5 Years
		3. Light source	12W/1800LM	high quality LED beads, life time 50000 hours	≥50000H
		4. Monitor collect ways		WIFI/network cable	
<b>EL0204</b>	1. Solar panel	60W	Mono-crystalline silicon solar panels, transition efficiency≥ 20%	≥25 Years	
WIFI/4G/ network cable 12V/12W/30AH	2. Lithium rechargeable battery	30AH	Lithium rechargeable battery,no momery, small volume,waterproof,integrated design	≥5 Years	
	3. Light source	12W/1800LM	high quality LED beads, life time 50000 hours	≥50000H	
	4. Monitor collect ways		WIFI/network cable/4G		

# Eye-Lite Camera Spec

Features	
Solar Panel	60W 18V
Battery	12V 30AH Lithium
LED Lamp	12W 20pcs LED Chips/SC01 no LED
Camera	200 million pixels, focal length 8mm, Internet connection: mobile phone card WIFI network cable, support for mobile 4G 3G, memory card maximum support 128G
Camera detailed parameters	
Main processor	Hass 3516C
Image Sensor	1/3" ultra-low illumination CMOS
Focal length	The default 8mm can be customized 4mm 6mm 12mm 16mm
IRCUIT	Support
Lens interface type	C / CS interface
Minimum illumination	0.1Lux
Waterproof	IP66
Compression standard	
Video compression algorithm	Support H.264 Main Profile and H.264 Baseline
Compression transmission into the bit stream	32Kbps-6144bps, can be customized, the default 2048Kbps

Image	
Maximum image size	1080P (1280*1080)
Sharpness	First stream: 1080P (1280*1080)
	Second stream: 960P (1280*960)
	JPEG code rate: Q720P (640*352), QQ720P (320*176)
Image settings mirror adjustable	Reversed up and down, left and right
Storage function	Maximum support 128G Micro SD card storage, support for regular video storage
Motion Detection	Can set up four independent detection area (sensitivity 1-100 can be set)
Alarm linkage	Alarm to send pictures to the specified mailbox; alarm upload pictures and videos uploaded to the FTP server;
Network protocol	Supports TCP / IP, HTTP, TCP, ICMP, UDP, ARP, IGMP, CMT, SMTP, FTP, DHCP, DNS, DDNS, NTP, UPNP, RTSP
Interface	
Network Interface	10BASE-T / 100BASE-TX Ethernet interface. WiFi 802.11b/g/n
4G card network	3G, 4G Single support

## Eye-Lite Pro Camera Spec

**130/200 Million 4G/WiFi, 4x zoom network Camera**

**Model:** Eye-Lite Pro

**Resolution:** 1280\*960P / 1920\*1080P

**Infrared distance:** 60m

**Lens:** 4 times (2.8-12mm)



### System functions

- 4-inch wireless card mini dome camera
- Built-in 5db WiFi module, partition can transmit 30 meters
- Memory card, optional (16G/32G/64G/128G)
- outdoor waterproof, waterproof rating: IP66
- 2 million pixels (1920X1080P)
- Optical zoom: 4X (2.8-12mm)
- 6 Φ14 dot matrix infrared lights, effective night vision distance up to 60 meters
- Rotation range: horizontal direction 0°~355°, vertical direction 0°~90°  
Rotation speed: horizontal speed 0.1°~40°/S; vertical speed: 0.1°~40°/S
- ONVIF protocol, back-end access to Haikang, Dahua, Xiongmai, Zhongwei and other NVR
- Power Supply: DC: 12V 2A
- Size: Φ137mm\* 234mm
- Weight: 1.8Kg

# Eye-Lite Pro Camera Spec

Camera parameters	
Image Sensor	1/2.8 coms
Effective pixels	1.3 million (1280*960)/ 2 million (1920*1080)
Horizontal resolution	1.3 million (1280*960)≥1500 TV lines
Video format	20fps@1280*960;25fps@720*480; 25fps@288*19225 fps@1920*1080; 25fps@720*480;25fps@288*192
Minimum illumination	0.5 Lux@F1.6 (colour);0.09 Lux@1.6 (black and white) infrared mode OLux
Optical magnification	4 times, autofocus
Focal length	2.8 ~12mm
Field of view	81.1°-26.2°
Day/night mode	Automatic IR-CUT switching
PTZ parameters	
Rotation speed	level 0.1°~40°/sec;vertical 0.1°~40°/sec
Preset point speed	level 40°/sec;vertical 40°/sec
Rotary angle	Horizontal 0°~355° continuous rotation; vertical0°~90°
A-B point scanning	Arbitrary setting
A-B p. scanning speed	Three levels adjustable speed
No. inspection groups	8 groups (8 presets per group)
Preset point	128
Power on action	provided
Guarding position	provided
Infrared light	
No. Infrared Lamps	Φ14=6 high-power array infrared lamps, effective distance up to 60m
Automatic control of infrared lamp	Automatically switching of distance infrared lamp/manual/far lamp/near lamp based on camera focal length at night
Video audio alarm	
Video encoding	H .264.;MPEG4
Video stream	Main stream:1080P,Substream:D1,CIF
Image size	1920*1080
Audio code rate	64K bps
Audio	1 input,1 output (optional)
Alarm	1 input,1 output (optional)

Network coding	
User Management	Maximum support for users, multi-level user rights management
Network Protocols	TCP/IP,HTTP,DDNS,PPOE,NIP, FTP,RTSP,RTP
Access Protocol	Onvif Standard
Network Interface	1 Way 10/100 Base T Ethernet, RJ45 Interface
Remote function	Support remote configuration, remote upgrade
Web Services	Embedded Webserver Server with IE support
Network bandwidth	64 kbps-12Wbps, multi-level dynamic adjustable
Storage & network operation	
Storage	(8~128G)
Network type	FDD-LTE, TDD-LTE, WCDMA/HSPA+, TD-SCDMA, GSM/GPRS/EDGE
Operating band	LTE B1/B3/B8/B38/B39/B40/B41 WCDMA 2100/900MHz,TD-SCDMA B34/B39 TD-SCDMA B34/B39 GSM/GPRS/EDGE: 900/ 1800MHz
Rate	FDD-LTE/TDD-LTE: Upstream 50M / Downstream 150Mbps HSPA+: Upstream 5.76M / Downstream 21Mbps TD-SCDMA: Upstream 2.2Mbps / Downstream 2.8Mbps
USIM/SIM	Micro SIM
WiFi	
WiFi standard	Protocol:802.11b/g/n, up to 72Mbps
Frequency band	2412MHz-2472MHz
Security mode	Open, WPA-PSK, WPA2-PSK
Product structure & packaging	
Product Size	4 inches
Shell Material	Aluminum Alloy
Bracket material	Aluminum Alloy
Machine ware-house	Aluminum Alloy
Input Voltage	Standard DC12V2A
Power Consumption	Day:<10W Night:<15W
Working temperature	-40°C~70°C
Installation	Wall mounted and lifting/ standard wall mounted
Packing Size	185×195×250mm
Gross Weight	1.8kg