

LION

SOLAR POWER & LIGHTING



SOLAR POWERED WIRELESS CAMERA SYSTEM

For camera and wireless communication devices

LION SOLAR POWER & LIGHTING

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High-efficient Solar Panel

Monocrystalline silicon/ Photoelectric Conversion efficiency: 19.6%/
Working voltage: 18V

Long-lifespan LiFePO4 Lithium-ion Battery

Top grade LiFePO4 Lithium-ion Battery, supported with patented dual battery management technology, makes the battery group a life expectancy of 6~8 years.

Intelligent Control Unit

Self-developed charging and discharging control unit, makes the solar panel a better solar power absorbing ability in rainy days.

Reinforced Bracket

Reinforced bracket with anti-theft design, resistant to violent typhoons up to force 16.

IP65 Waterproof

Waterproof and anti-dust design certified with IP65 requirements, to well stand harsh weather conditions.



CREE LED ALUMINUM LAMP BASE creates a first-class light source

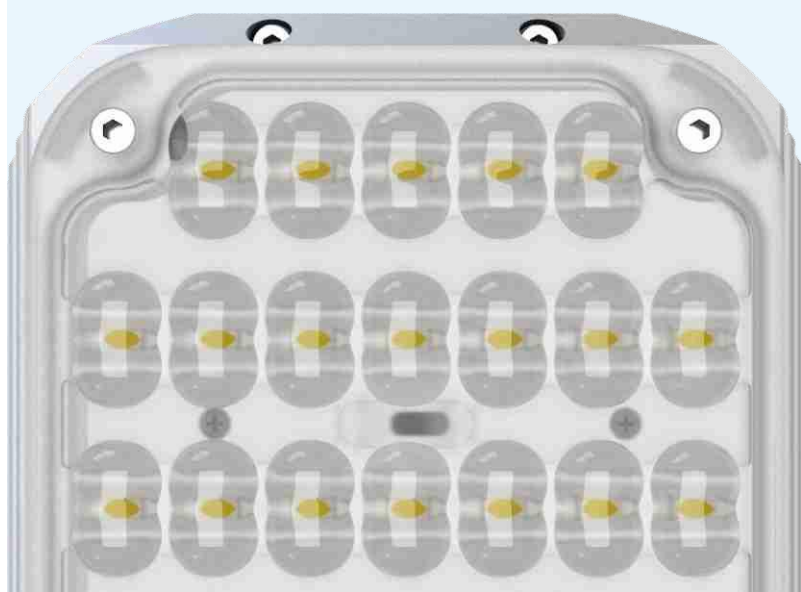
single lumen value at 180lm/W, with the aluminum lamp base and sealed lens, with its excellent heat dissipation, it is as if the LED chip has been placed in a sealed unit. Thus it maintains high brightness levels with very little fading. The sealed lenses are made of strong UV protected PC and are aging and shock resistant.

HD Network Camera

With lens range from 2.8mm to 8mm optional (Different range for cameras from one type to another).

2million, 3million and 4million pixels optional for high image definitions.

With H265 coding function, this camera makes the storage space for imaging under the same parameters reduced by 1/3 to 1/2, and so it can store more video information as recorded in a longer time.

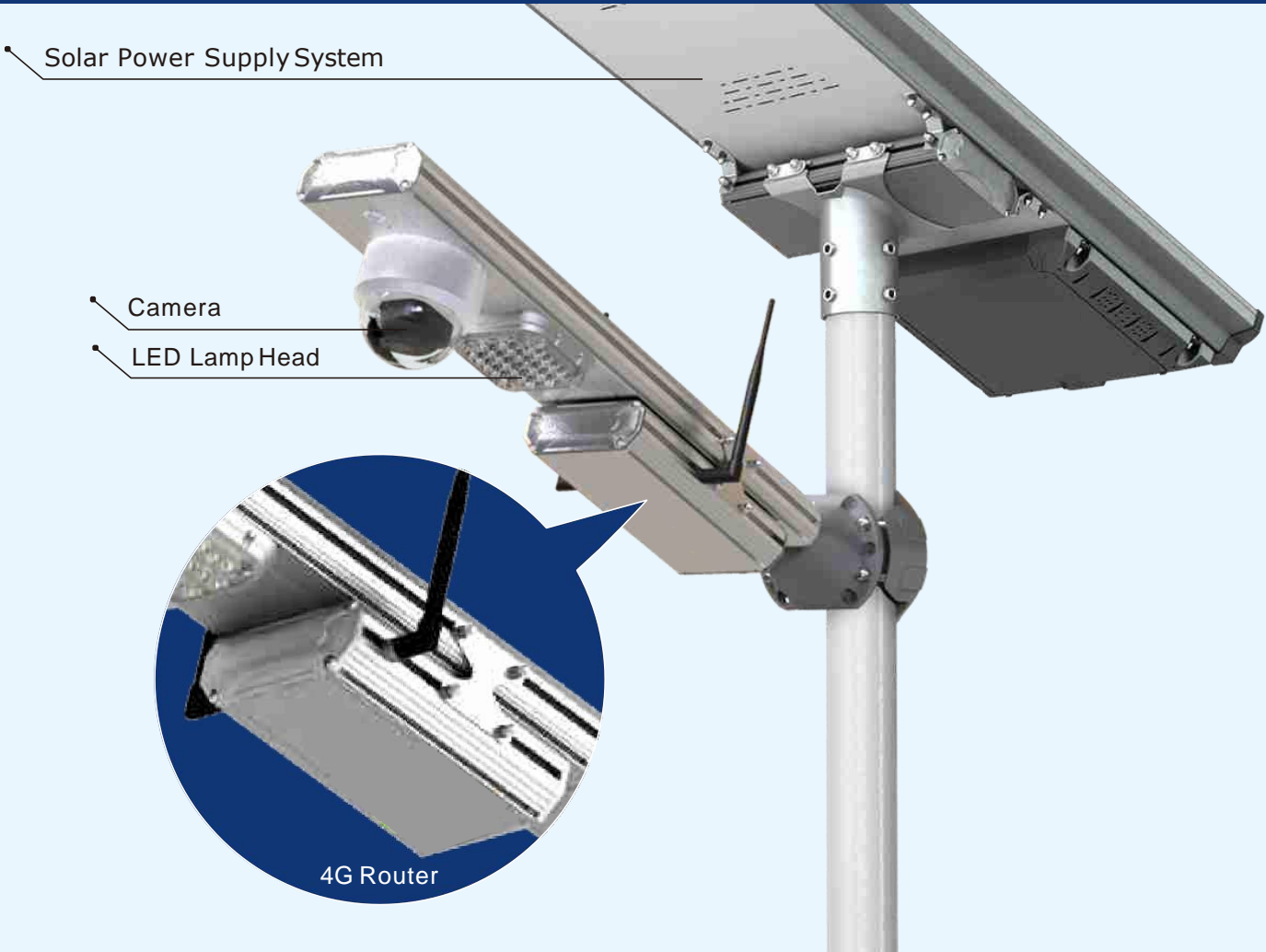


Solar Power Supply System

Part name	Model No.	X5EQ
Solar Power Supply System	Power of PV Module (W)	100
	Liuthium Battery Capacity (Wh)	500
	Net Weight of Product (kg)	21
	Dimension of Carton (mm)	1588×426×98
	Top of pole or Tenon OD (mm)	65~70

Camera+LED Lamp Head

part name	Physical Parameters	
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Lens	4mm/6mm
	Video Compression Standard	H.265 /H.264 /MJPEG
	Max. Image Size	2048×1536
	Frame Rate	50Hz: 25fps(2048 × 1536, 1920 × 1080, 1280 × 720)
	Communication Interface	1-ch RJ45 10M/100M Ethernet Interface
	Operation Conditions	-10℃~40℃,humidity 0~95% (Nocondensation)
	Power Supply	DC12V±20%, POE power supply
	Power Consumption	3.5W MAX (-W : 4.5WMAX)
	Hazardous Rating	IP67
	Dimensions	82.4×111×111 mm
	Weights	500g
LED Lamp	Light Output (W)	20
	Typical Luminous Flux (lm)	3000
	Net Weight of Product (kg)	3.8
	Dimension of Product (mm)	725×128×72



Industrial 4G Router

4G Router is a kind of device that provides cellular long distance data transfer function by public GPRS/CDMA/WCDMA/EVDO/LTE network for user.

It uses high-performance industrial 32-bits CPU and industrial cellular module, embedded real time operating system for software support platform, at the same time supports RS232 (or RS485/RS422) and Ethernet port, that can conveniently connect serial devices and Ethernet devices, allowing to achieve data transparent transmission and routing functions.

It has been widely used on M2M fields, such as self-service terminal, smart grid, intelligent transportation, smart home, finance, POS, supply chain automation, industrial automation, intelligent building, fire protection, public safety, environment protection, weather, digital medical, telemetry, military, space exploration, agriculture, forestry, water supply, coal mine, petrochemical, and so on.

Product Feature

Design for industrial application

High-performance industrial cellular module

High-performance industrial 32-bits CPU

Support low-consumption mode, including sleep mode, scheduled online/offline mode

Using metal shell, IP30 protection. Metal shell and system security isolation, especially suitable for industrial applications at the scene

Power range: DC5~36V

Stability and Reliability

WDT design to ensure system stability

Support auto recovery mechanism to make data terminal always online

Ethernet port build-in 1.5KV electromagnetic isolation protection

RS232/RS485/RS422 port build-in 15KV ESD protection

SIM/UIM port build-in 15KV ESD protection

Power port build-in reverse-voltage and over-voltage protection

Antenna port: lightning protection(optional)

Standard and Convenience

Support standard RS232 (or RS485/RS422), Ethernet port that can connect to serial devices, Ethernet devices directly

Intelligent data terminal, enter into communication state automatically when powered

Provide powerful central management software for devices management(optional)



Cellular Specification

Standard and Band	LTE TDD 2600/1900/2300MHz (Band 38/39/40) (optional) 800/1400/1800MHz (Band 27/61/62) TD-SCDMA 2010/1900MHz (A/F frequency Band, Band 34/39) GSM/GPRS/EDGE 900/1800/1900MHz
Bandwidth	LTETDD: Download speed 61Mbps, Upload speed 18Mbps TD-HSPA+: Download speed 4.2Mbps, Upload speed 2.2Mbps TD-HSPA: Download speed 2.2Mbps, Upload speed 2.2Mbps



Note: The connection ports and spare parts for different models may be different to some extent. Please refer to real products as you received for details.

Power Supply

Standard Power	DC 12V/1.5A
Power range	DC 5V~36V

Consumption

Standby	4G: 96~130mA@12VDC 3G: 96~115mA@12VDC 2G: 83~90mA@12VDC
Communication	4G: 203~290mA@12VDC 3G: 172~305mA@12VDC 2G: 113~148mA@12VDC

Physical Characteristics

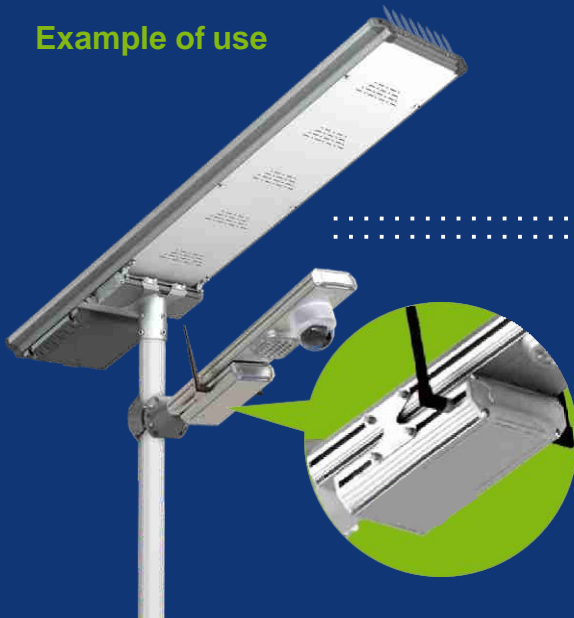
Housing	Metal shell, providing IP30 protection
Dimensions	100x97x25 mm (Excludes antennas and mounting parts)
Weight	320g

Environmental Limits

Working Temperature	-35°C~75°C (-31°F~167°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Operating Humidity	95% (Unfreezing)

*Product Installing methods please refer to product installation manual.

Example of use



Mobile 4G Internet

Internet

Industrial 4G Router

*Need to cooperate with GPRS/CDMA/WCDMA/EVDO/LTE network

*Products model please refer to real product.