

TRINITY Series

Off Grid Powered CCTV



- Sleek and compact design
- Portable and mobile
- Technically advanced yet simple
- Totally self-sustained



Powered by
Lithium-Ion
Batteries



Easy
Installation



IP65



High Efficient
Controller



Battery Management
System



Plug &
Play Wiring

LEADSUN[®]
Off-Grid Intelligent Lighting Systems

Trinity Supremacy

Leadsuns development of CCTV solutions continues, providing specifically designed solutions including the new Trinity Series CCTV off grid system. The Trinity System has been designed with the same Leadsun design approach of the 'all in one' systems making all cable interfacing and installation simple. The storage SD Card and 4G Router provides all the features and requirements for a simple turnkey CCTV system.

Solar Power Supply System

Camera

4G Router



Product Features

Leadsun's Monocrystalline Solar Panel

Solar Panel/Engine recommendation factors on many variables including:

- time of use,
- lighting operation,
- storage rate
- location of system.

Long Lifespan LiFEPO4 Lithium Ion Battery

Highest quality LiFEPO4 Lithium Ion battery, supported with patented dual battery management technology providing life expectancy of 6-8 years.

Intelligent Control Unit

Charging & Discharging Control Unit, providing consistent battery energy for each device.

IP65

Waterproof and anti-dust design certified with IP65 requirements. Withstanding harsh weather conditions.

CCTV Camera

Low power consumption fixed camera, maintaining the 1080P high quality digital video reproduction using 2.8mm lens.

SD Storage Card

128GB Storage Card. System storage card up to 3 weeks of storage space. The storage can be extended by controlling of frames/second and definition quality. (Larger Cards can be provided)

4G Router

High performance 4G Router, purpose built to provide secure, always on connectivity for mission critical applications

Wifi

Short range data downloading of data, within range of 10m. Feature primarily for large data downloads without necessity of operating through the networks.

EZVIZ

Download-able free mobile APP with full video viewing. Simple functionality with time stamped playback video stored on the SD memory card. Instant snapshot or record MP4 video of incidents. Stored on your PC or mobile recorded footage can be easily sent via email or mobile data.



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.



4G Router

4G Router 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.

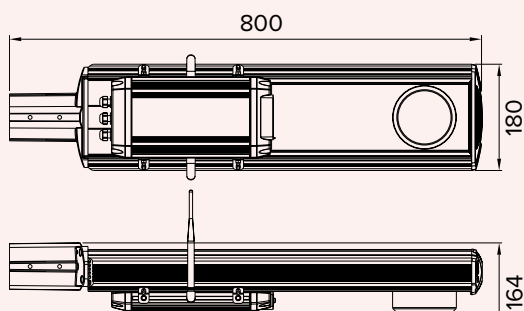
It has been widely used on M2M fields, such as self-service terminal, smart grid, intelligent transportation, smart home, finance, POS, supply chain automation, industrial automation, intelligent building, fire protection, public safety, environment protection, weather, digital medical, telemetry, military,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

Technical Specifications

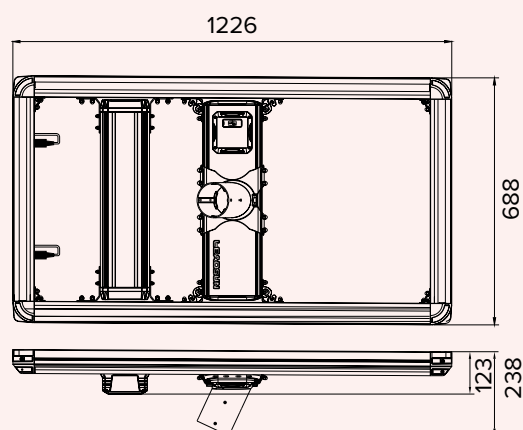
Subseries		Ae6 Black ULTRON Off-grid Solar Power System	
Model No.		AE6S130V12B58-C	
Physical Parameters			
Power of PV Module (W)		130	
Liuthium Battery Capacity (Wh)		737	
Net Weight of Product (Kg)		37.2	
Demension of Product (mm)		1226 x 688 x 123	
DC Output Port		10~22VDC	
Light Photosensitivity (lx)		30	
Packing Parameters			
Main Package	Carton Size (mm)		1305 x 180 x 770
	Gross Weight (kg)		41.2
Extra Package (for Bracket)	Carton Size (mm)		240 x 170 x 260
	Gross Weight (kg)		2.6
Environment Requirement			
Charge Temperature (°C)		0–60	
Discharge Temperature (°C)		-20–60	
Storage Temperature (°C)		-20–45	
Mounting Recommendation			
EPA(effective projected area)		4.6	
APA (acutal projected area) 2 (ft)		3.84	
Wind Load Rate (mph)		130	
Top of Pole or Tenon OD (mm)		80~85	

Subseries			
Model No.		RS20-C3MW-4G	RS20-C3MW
Camera Parameters			
Image Sensor		1/3" Progressive Scan CMOS	1/3"Progressive Scan CMOS
Min. Illumination		0.01Lux @ (F1.2, AGC ON) , 0 Lux with IR	0.01Lux @ (F1.2, AGC ON) , 0 Lux with IR
Max.image size		2048×1536 (3.2MP)	2048×1536 (3.2MP)
Lens		4mm/6mm	4mm/6mm
Video Compression Standard		H.265/H.264/MJPEG	H.265/H.264/MJPEG
WIFI Range		20m(depend on environment)	20m(depend on environment)
High Speed TF Card		64G	64G
4G Router Parameters			
CPU		Industrial 32bits CPU	/
Flash		16MB	/
DDR2		128MB	/
Standard and Band		LTE FDD 2600/2100/1800/900/800MHz, 700/1700/2100MHz (optional) HSPA+/HSDPA/HSUPA/WCDMA /UMTS900/2100MHz, 800/850/1900/2100MHz (optional) EDGE/GPRS/GSM 900/1800/1900MHz GPRS CLASS 10, GPRS CLASS 12	/
Bandwidth		LTE(DL:100Mbps,UL:50Mbps) HSUPA:5.76Mbps (Upload speed) HSDPA:7.2Mbps(Download speed) UMTS:384Kbps (DL/UL) HSPA+: 21Mbps (Download speed) 5.76Mbps (Upload speed)	/
TX Power		<32dBm	/
RX Sensitivity		<-93.3dBm	/
Environment Requirement			
Operating Temperature (°C)		-30–60	-30–60
Operating Humidity		95% (unfreezing)	95% (unfreezing)
Hazardous Rating		IP65	IP65

Physical Dimensions (mm)



RS20-C3MW-4G



AE6S130V12B58-C