Mini Solar Battery Powered Low Power 4G PTZ Camera

Product Description:

LOYALTY-SECU Low Power 4G Solar PTZ Camera 1080P with low power consumption design means the device should "sleep", or idle, as often as possible. Every time the Solar 4G Camera is awakened and will work for few seconds. After that, the device will enter to standby mode to save power. You can set the work time in the app setting. the device is equipped with a rechargeable lithium battery. The battery life will be affected by the 4G IP Camera wake-up time and the number of wake-up. An event-triggered solar powered 4G camera system is an excellent way to save power and energy.

Product Highlights:

1. 2MP Mini Outdoor Solar Low Power 4G PTZ Camera
2. With PIR Human Motion Detection & Body Induction, support max 12 meters PIR detection range.

3. 4mm F2.0 lens, Low lux., wide view angle: 120 degrees. 4X Digital Zoom
4. Support up to 128G Micro SD card. Support cloud storage.
5. Starlight full color night vision, work distance up to 30 meters.
6. PIR Solar 4G Camera Operating Mode: Low power working mode, PIR alarm triggers the recording.
7. The Solar Low Power Outdoor Camera with built-in Mic and Speakers, support two-way audio.
8. The Low power solar 1080P camera works with 8W monocrystalline silicon solar panel.
9. Built-in 6 pcs 18650 battery, total volume max 19200mAh
10. ABS fireproof plastic material, vandal-proof, waterproof level IP65
11. 6pcs array infrared LEDs, night vision distance up to 30m. Full Color Day/Night
12. The Low Power Solar 4G PTZ Camera supports to control rotation, remote monitoring, alarm call via mobile phone

Product Features:

- **Connect to 4G Network**: After installing the SIM Card for the solar camera, open the APP to view the recording and receive alarm messages anytime, anywhere.

- **Remote Alarm Reminder**: The Low Power IP Camera is working under the standby (Auto-sleep) state, and when there have the events happened within the monitoring range of the solar PTZ camera, the alarm message will be sent to the

users immediately. Alarm prompt can choose push message and incoming call.

● **Remote Viewing and Playback**: After the Solar powered 4G Camera is connected to the network, open the monitoring app through the mobile phone to watch the real-time picture, online playback with video records stored in the memory card.

● **Remote Control Rotation:** While viewing the screen in the APP, you can also operate the direction button to control the direction of the camera shooting, horizontal rotation 355°, vertical rotation 120 °

● **Excellent Starlight Night Vision**: In the low-light environment, it usually means that there is no auxiliary light source in the starlight environment and can display clear color images. It's much better than ordinary cameras to display only black and white images at night.

● **IP65 Waterproof:** Solar surveillance cameras work in the sun and will naturally encounter rainy weather. The waterproof rating is IP65, which can work continuously in the rain

● **Voice Intercom:** The Low Power Battery Camera works with video recording function and the sound is synchronized when viewing and playing back the video recording screen. Voice intercom is also available for real-time monitoring.

● **PIR Human Motion Detection:** Within the scope of monitoring, a person, an animal or vehicle will activate the Low Power 4G Camera to start recording, and at the same time remotely alarm will be sent to the mobile app.

● **PIR Human Body Induction**: Any item is irradiated at room temperature. The higher the temperature of the object, the stronger the infrared radiation. Once the human body infrared radiation comes in through the optical system, the Pyroelectric device generates a sudden electrical signal, thereby trigger the Low Power Solar IP Camera to work.

● **Multi-Users Viewing**: When the Ultra- Low Power Solar Camera is connected to the network, up to 100 people can be view at the same time. The mobile app can add up to 100 devices.

● **8W Monocrystalline Silicon Solar Panel**: Suitable for working at the temperatures between -30℃ and 65℃. 5W fast charging is comparable to the speed of a mobile phone which with 5V1A.More than 91% power output conversion rate, single crystal efficiency 19.6% 3.7V over discharge protection,4.2V overcurrent protection.

● **1080P HD Lens:** The focal length of the Low Power Starlight Color Solar Camera

refers to the distance between the lens and photosensitive element. The magnification of the lens is approximately equal to the ratio of the focal length to the object distance. This product adapts 4MM Lens angle up to 120 ° and around 30m full color night vision.

● **Work Scenarios**: Outdoor 4G PTZ Camera with low power mode are suitable for use in outdoor environments where the sun is more abundant and convenient such as: Orchards, Farm, Fishponds, Villas, Construction sites, Hunting, etc.
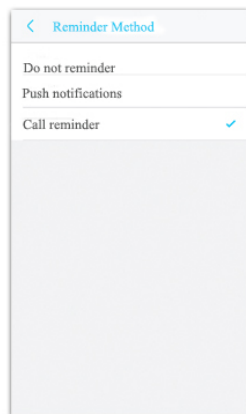
Connect via 4G signal

Solar monitoring camera connected via 4G signal, no WiFi, no need to connect to the solar panel to charge the battery to power the camera operation
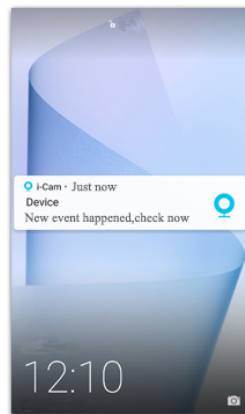

Phone   Camera   4G SIM
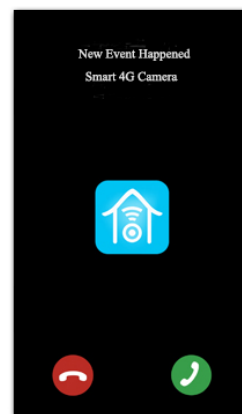
Remote alarm prompt

The camera is in the dormant state, and there will be an alarm sent to the alarm within the range of the monitoring alarm Cell phone. Alarm prompt can choose push message and incoming call

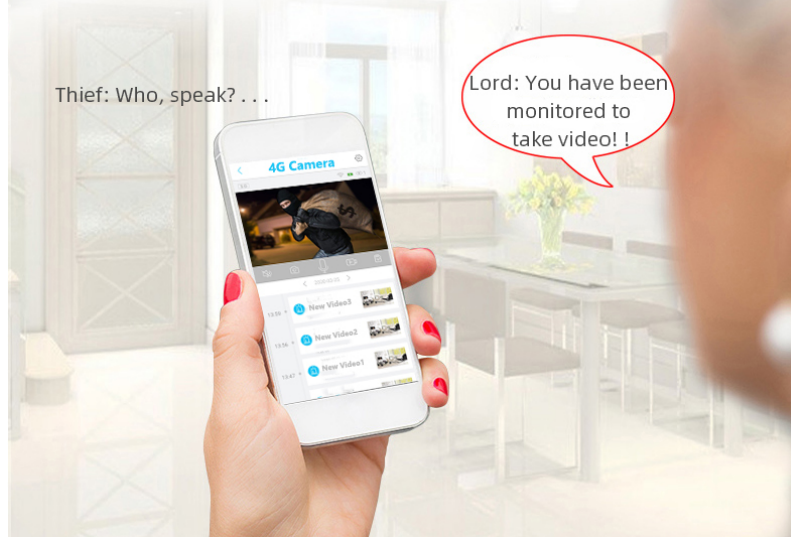
Selection method

Push message

Incoming call

Voice intercom

The camera works with a video recording function, and the sound is synchronized when viewing and playing back the video recording screen. Voice intercom is also available for real-time monitoring.

Scenario demonstration:

Thief: Who, speak? . . .

Lord: You have been monitored to take video! !

Solar battery powered PTZ 4G Camera Datasheet:

Model: LY-U2-204G-8W		Version	Band	WiFi	4G
Network	Wireless WiFi frequency	2.4 GHz	IEEE802.11b, 802.11g, 802.11n Draft	Support	N/A
		5.0 GHz	N/A	N/A	N/A
	4G nano SIM card	Southeast Asia	B1/B3/B5/B8/B34/B38/B39/B40/B41	N/A	Support
		Australia	B1/B2/B3/B4/B5/B7/B8/B28/B40/B66	N/A	Support
		Japan	B1/B3/B8/B18/B19/B26	N/A	Support
		America	B2/B4/B5/B12/B13/B14/B25/B26/B41/B66/B71	N/A	Support
		Europe	B1/B3/B5/B7/B8/B20/B38/B40/B41	N/A	Support
Video	Master sensor	1080P	lngenic T31ZL+2063		
		1440P	lngenic T31ZX+4653(**4MP Solution for option**)		
	Resolution	Mainstream: 1920x1080@15fps, Sub stream: 640x360@15fps			
	Format	Compression format		H.265	
		Video file format		MP4	
	Lens	4mm F2.0 lens, Low lux., wide view angle: 120 degrees. 4X digital zoom			
	Night vision	6pcs array infrared LEDs, night vision distance 30m. Full-color day/night			
Audio	Compression	G.726/AAC. Audio code rate: 8Kbps, 16bit			
	Input/Output	Built-in MIC and Speakers, support two-way audio			
Alarm	PIR motion detection	Support max 12 meters PIR detection range.			
	Alarm linkage	Alarm record videos to Micro SD card; Alarm mobile phone message push			
Video storage	Memory card	Support up to 128G Micro SD card. Support cloud storage			
	Record	PIR alarm recording.			
	Replay	Support App remote play and download the video			
Power supply	Solar panels	8W monocrystalline silicon solar panel			
	Battery	Built-in 6 pcs 18650 battery, total volume max 19200mAh			
	Operating mode	Low power working mode			
	Wake-up method	PIR alarm wakes up, remote manual wakes up			
	Hibernation	When alarm end or remote connection disconnected.			
	Power consumption	Sleeping stand-by power: 0.03W; Working: 1.3W@days/3W@night			
PTZ	Rotation angle	Horizon Pan: 0°～355°, Vertical Tilt: 0°～90°			
	Spinning speed	Horizontal speed: 10°～ 30°/S; Vertical speed: 8°～ 25°/S			
Other	Power input	DC5V 2A			
	Environment	Environment -20℃~+60℃(-4°F~+140°F), Humidity 10%～80%, non-condensing			
	Shell material	ABS fireproof plastic material, vandal-proof, waterproof level IP65			
	Power cable	Type-C interface, extension cable 1.8 meters			
	Product Size	265mm×175mm×230mm(L×W×H)			

Package dimensions	288mmx203mmx170mm(L×W×H). Package weight: 1.93kg
Packing list	IP Camera, Solar panel, Support, Mounting screws, Screwdriver, USB cable, Manual

Work Scenarios

Solar surveillance cameras are suitable for use in outdoor environments where the sun is more abundant and better, such as: orchards, farms, fish ponds, villas, construction sites, hunting, etc.

Orchards

Farms

Fish Ponds

Villas

Construction Sites

Hunting