

Solarcam^{4G}

*Solar Brilliance & Cellular Resilience
Powering Your Protection*



Solar Cellular IP Camera Kit

This state-of-the-art security solution harnesses the **power of the sun** and **cellular connectivity** for unparalleled performance and eco-friendliness. Ideal for residential, commercial, and industrial settings, this **advanced standalone camera** redefines surveillance with its wireless design and high-tech features.

With its comprehensive kit, our Solar Cellular IP Camera sets a new standard for convenience and reliability with **no wiring hassles** and effortless installation and operation.

Technology Overview

Our Solar Cellular IP Camera is a reliable and flexible security solution that uses solar power, whether direct **sunlight** or just regular **daylight**, ensuring continuous operation without needing **external power sources**. Its **durable aluminium** and **polycarbonate** construction **maintains cellular signal integrity** and withstands harsh weather conditions.



Empowered Technologies

DDA¹
GENERATION

Artificial Intelligence

Provision-ISR's DDA™ Video Analytics technology distinguishes between humans, 2-wheeled, and 4-wheeled vehicles, improving surveillance accuracy. The DDA™ system includes **line crossing** and **sterile area** monitoring for thorough security coverage.

SMART ALERT
ACTIVE DETERRENCE CAMERAS

Smart Alert

Flash and sound serve as deterrents (**strobe light and speaker**). When the camera detects a DDA™ Analytics event, you can opt for on-site alerts via strobe lighting, pre-recorded message, or both, bolstering security with **visible and audible deterrents**.

rainbow
COLOR NIGHT VISION

Color Night Vision

Unlike traditional methods reliant on infrared illumination, our Solar Cellular IP Camera redefines low-light monitoring by capturing vibrant, **full-color images** even in the darkest environments.

Highlighted Features

Efficient Power Management

Our solar camera redefines power management. Even during continuous **monitoring in full-power** mode, it consumes only **1-3% battery per hour**.

But what truly sets us apart is our solar panel's revolutionary ability to **charge without direct sunlight**. No matter the weather – be it cloudy skies or limited daylight – your **camera stays powered**, ensuring uninterrupted surveillance day and night.



Connectivity

Our Solar Camera has **built-in cellular connectivity**, allowing remote installation and seamless integration into existing security systems. It has an RS-485 connection, operates on a 12V power supply, and features an ethernet port for setup purposes. It **supports all SIM cards** and prioritizes **automatic 4G** connections with back-support 3G, though users can configure the APN for static IP use.



Weather-Resistant Design

The Solar Cellular IP Camera is engineered to withstand nature's elements, featuring robust housing crafted from durable aluminum and polycarbonate. It guarantees **consistent performance** and is designed to excel in any environment, regardless of rain, snow, or extreme temperatures. The camera's **IP65 rating** and the solar panel's **IP67** rating ensure it remains **constantly powered and ready for operation**.



Recording Capabilities

With the Solar Cellular IP Camera, you can store your events securely. The camera is equipped with an **internal storage card of 32GB MMC**, which is ideal for storing essential events and footage. Additionally, you can expand your storage capacity with a **local Micro SD card slot supporting up to 256GB**. This ensures more than enough event and schedule recording space, providing flexibility and convenience in managing your surveillance data.



Working Modes

The Solar Cellular IP Camera offers three distinct working modes, providing **customizable surveillance** solutions tailored to your specific needs:

Always ON Mode

The camera operates at optimal performance levels.

*Using **1-2% battery** per hour without lights and **2-4% with lights on**. You can adjust battery thresholds from 20% to 50% for uninterrupted operation.*

Power Saving Mode

The device hibernates until onboard PIR sensor detects movement.

*Conserving power while **maintaining cellular connectivity** for instant response.*

Schedule Mode

Set schedules for camera operation based on your preferences.

*Configure specific days and hours for surveillance, **optimizing battery consumption** according to your usage patterns.*

Applications Scenarios



Farms and Agriculture



Residential Security



Commercial Facilities



Industrial Sites



Vacation Homes



Live Events

Specification Highlights

Max. resolution: 4MP (2560×1440)

Lens: 3.6mm 92° Horizontal

24/7 **Full-Color** Day Mode

2 High-Power White LED: Full power: 20m Low power: 10m

Red/Blue **Strobe lights**

1-Way Audio in and **Built-in Microphone & Speaker**

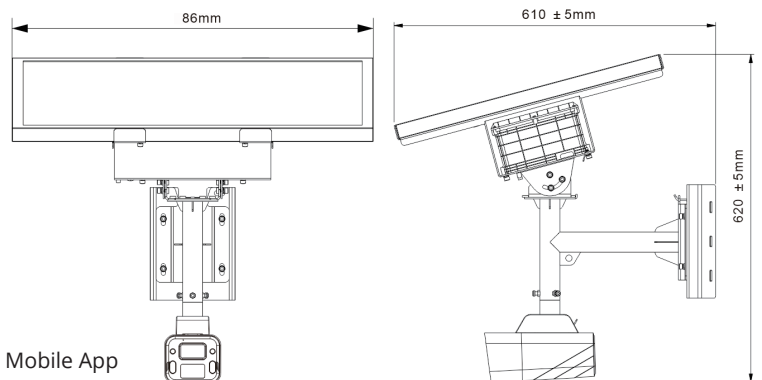
General Analytics: Camera Tampering

AI (Object Recognition): DDA Sterile Area, DDA Line Crossing

PIR: Angle - Horizontal 82° / Vertical 50° Range - up to 15m

IP65 Rating for IP camera / **IP67** Rating for Solar Panel

Remote Monitoring: IE Browsing, VMS Software, Provision Cam2 Mobile App



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