



AOV PT Lite 5MP

2.4 & 5GHz Wi-Fi With 5W Solar Panel

This smart battery-powered camera features a **5000mAh** battery capacity and **supports dual-band WiFi6 (2.4GHz/5GHz)**, ensuring seamless compatibility with any network environment. It offers flexible installation options with **5W** solar panel—either as a unified unit or split into separate components—and achieves unlimited runtime when paired with a solar panel.

The camera combines **Always-on Video (AOV) mode** and **Event-triggered recording mode**. Leveraging cutting-edge AOV technology, it enables 24/7 continuous time-lapse recording (with configurable intervals) while intelligently analyzing captured footage. Upon detecting motion, it switches to full-frame video recording—delivering round-the-clock security with minimal battery consumption. This innovation makes 365-day self-sustaining operation possible in a compact, battery-powered design.



5MP QHD Video

See more details than 2K



5000mAh Rechargeable Battery

No wiring needed—operates for extended periods on a single charge



Solar Panel

Lowers energy costs while being eco-conscious



Dual-Band Wi-Fi 6

Flexibly set up with 5GHz or 2.4GHz Wi-Fi for stronger & more stable signals



Smart Full-Color Night Vision

Automatically turn into color mode From infrared mode



Always-on Video Mode

24/7 Event recordings & snapshot recording coverage



Privacy Mode

Hide the lens to protect your Personal privacy



Low Temperature Charging

Normal charging can also be guaranteed at **-10 °C**, which is worry-free in winter



Two-way Talk

Live two-way engagement with visitors



Siren & Spotlight Alarm

Alarm linkage red and blue light, spotlight and siren



Secure Storage (up to 512GB)

Enjoy secure local storage with a micro SD card of up to 512GB.



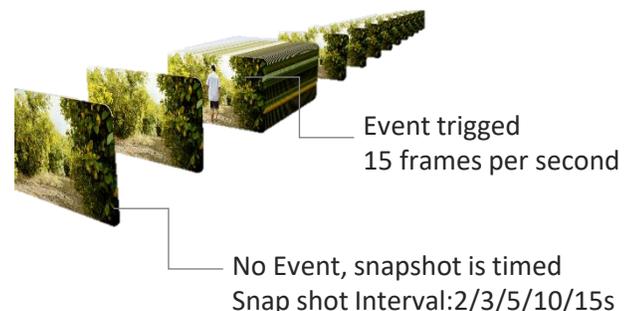
Human & Vehicle Detection

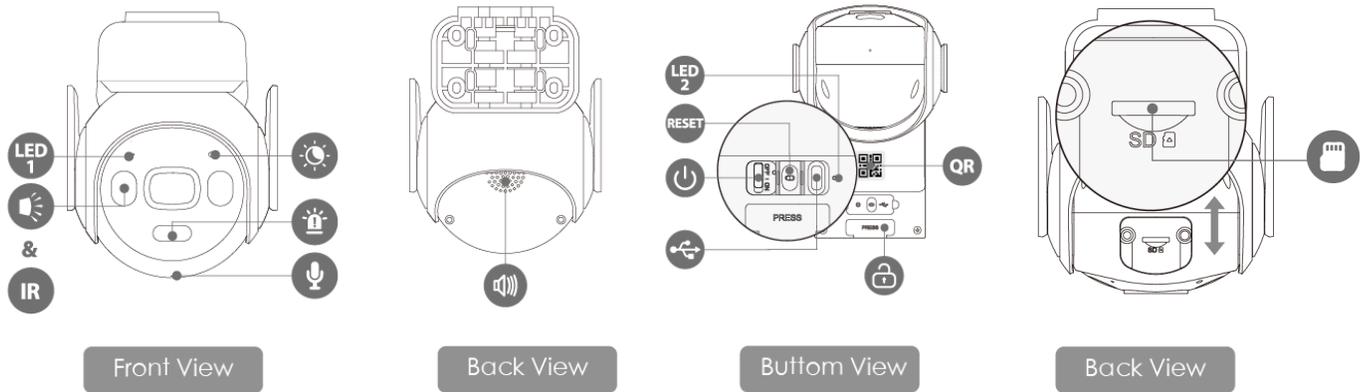
Human/vehicle detection powered by IMOU SENSE technology



Stay close with what you care

With SD Card, you will have access to what you care as long as Internet is available. You can record daily or motion videos on Cloud and play back anytime anywhere.





Specifications

Camera

Image Sensor	1/3" Progressive CMOS
Max Resolution	5MP(2880×1620)
Night Vision	25m (82ft) Distance
Focal Length	3.6mm Fixed Lens
Pan & Tilt Lens	76°(H),41°(V),91°(D) 340°Pan& - 90°Tilt
Rechargeable Battery	5000mAh

General

Power supply	DC 5V 2A
Working Temperature	-20°C~+50°C (-4°F~122°F)
Charging Temperature	-10°C~+45°C (14°F~113°F)
Dimension(L×W×H)	177mm×110mm×142mm
Weight	550g (1.21lb)
Certification	CE, MSDS

Video & Audio

Video Compression	H.265
Video Frame Rate	Up to 15fps Frame rate
Focal Length	8×Digital Zoom
Sound Channel	Two-way Audio

Network

Wi-Fi	IEEE802.11b/g/n/a/ac/ax, WiFi6,150m Open Field
IMOU App	iOS, Android

Auxiliary Interface

Micro SD Card	up to 512GB
Built in Mic & Speaker	YES
Reset Button	YES

Notice Management

Human Detection	YES
Vehicle Detection	YES
Low-Battery	YES

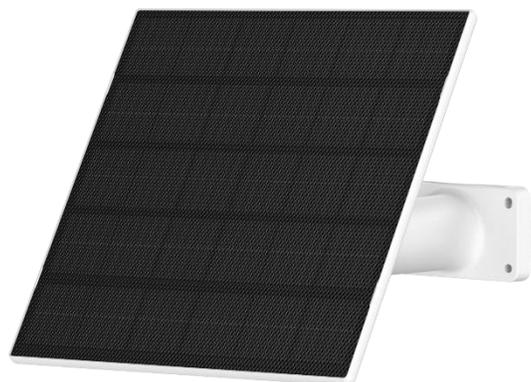
What's in the box

Camera

- Camera × 1
- Quick Start Guide × 1
- Power Cable (1m) × 1
- Mounting Bracket × 1
- Screw Position Stickers × 1
- Screw and Wall Anchor Pack × 1

Solar Panel

- Solar Panel × 1
- Mounting Bracket × 1
- Screw and Wall Anchor Pack × 1
- Quick Start Guide × 1



5W Solar Panel

FSP14-V2

Connect your Imou solar powered camera to this solar panel with 4m connection cable(included) to get non-stop power.

Compatible with AOV PT,AOV PT Lite ,Cell PT, Cell PT 4G, Cell 3C, Cell 3C All in One, Cell Go Full Color ...



Solar-Powered Continuous Charging

5W high-efficiency solar panel means that with just a few hours of direct sunlight every day, your camera will stay charged around the clock.



WeatherProof

Built to withstand extreme weather conditions.



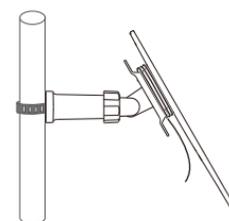
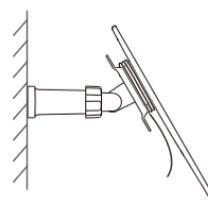
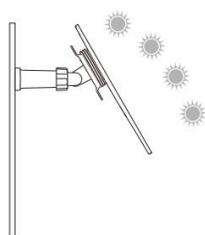
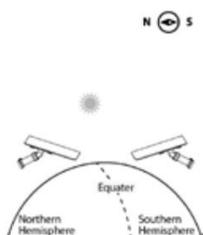
4m Connection Cable

The 13ft (4m) cable allows for flexibility when choosing the location of your solar panel and ensures it can get maximum sunlight exposure.



Type-C

Reinforced Type-C cable with special joint design for extra protection and durability, effectively prolong the service life.



Specifications

Max. Power: 5W±5%@40000lux

Solar panel working voltage: 5V (-5%/+5%)

Working current: 1A (-5%/+5%)

Operating temperature: -20°C to +60°C

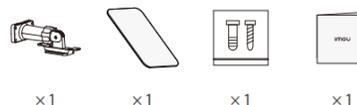
Storage conditions: Temperature -20°C~45°C, Humidity

Conversion rates: ≥22%

Device Dimensions: 173.9x163.9x17.3mm(6.85x6.42x0.681inch)

Device Weight: 322g(0.71lb)

What's in the box



- 1x Solar Panel
- 1x Mounting Bracket
- 1x Screw and Wall Anchor pack
- 1x Quick Start Guide