

AOV Air 5MP Wi-Fi Kit with Smart Hub, 3W Solar Panel 2-Cam Kit

The 2-cam battery camera system provides a kit including 2 AOV Air 5MP Wi-Fi cameras, 2 3W solar panel and 1 Smart Hub.

AOV Air series camera kicks it up a notch with the latest Always-on Video (AOV) technology and creatively makes 24*7 continuous recording and 365-day self-sustaining possible on a compacted battery camera. The camera continuously generates time-lapse videos(the interval is configurable) and intelligently analyzes the images captured. Once an alarm is triggered, it will record full-frame video, providing 24*7 safeguard with less battery consumption.

The Smart Hub enhances Wi-Fi connection to cameras and backups event records. Powered by local AI, the system recognizes visitors and tracks complete footages cross-cameras, which enhances home safety with No Monthly Fee.

What's in the box

Camera

Camera×2
Power Cable×1
Mounting Bracket ×2
Mounting Plate ×2
Screw Position Stickers×2
Screw and Wall Anchor Pack×2

Solar Panel

Solar Panel ×2
Mounting Bracket ×2
Screw and Wall Anchor Pack×2

Hub

Smart Hub×1
Power Cable×1
Power Adapter×1
Network Cable ×1
Pre-installed 32GB microSD ×1
Quick Start Guide×1



Smart Hub

Home AI & Storage Center

The Smart Hub can connect up to 6 IMOU 4K or 3K camera streams. It is compatible with IMOU models in LAN including battery cameras. The Smart Hub can provide dual bands 2.4G/5GHz Wi-Fi repeater to connect cameras, extends Wi-Fi coverage and enhances camera stable connection.

Powered by local AI, the Smart Hub enhances home safety with No Monthly Fee. The Smart Hub supports visitor facial recognition, classify events by visitors and push notification when specific visitor appear. Based on human feature recognition, Cross-Camera Tracking help us easy to track visitor's complete footages cross-cameras.

With Micro-SD card, the event records from cameras are backup in Smart Hub locally, which is safe and economic.

6-Channels 4K Access
Max 6 channels, wired & wireless
8 MP@15 fps or 5 MP@30 fps

IMOU Camera Compatible
Compatible with IMOU models in LAN including battery cameras

Event Video Clips Backup
Centralized event record with Micro SD card, up to 1TB

Visitor Facial Recognition
Identifying families and strangers. Classify events by visitors.

Cross-Camera Video Tracking
Tracks complete visitor footages cross-cameras.

Safety Event Summary
Daily and week visitor reports and security event reports.

Ethernet Connection to Router
Stable connecting to router with 1*100Mbps RJ45 or 5GHz Wi-Fi

2.4/5 GHz Dual-Band Wi-Fi 6
IEEE802.11b/g/n/ax. Stable Dual-band Wi-Fi AP for cameras

96dB Siren
Different ringtones, snooze schedules and volume can be set

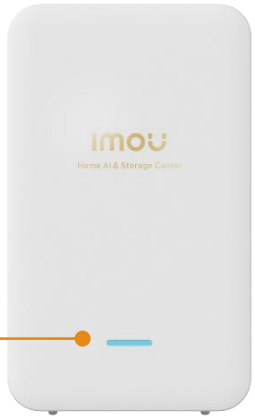


LOCAL AI

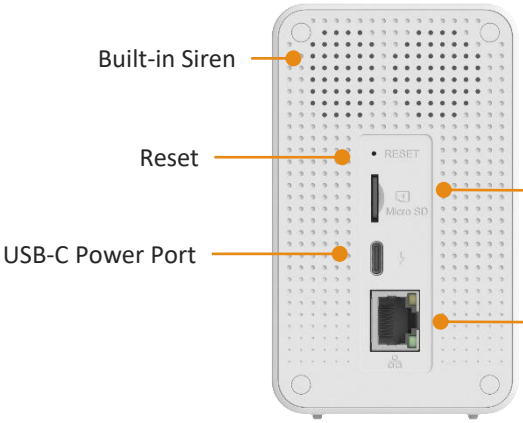
LOCAL Storage

NO Monthly Fee

Front View



Back View



Specifications

Access & Storage

Access Channel	Total 6 channels: 8 MP@15 fps or 5 MP@30 fps
Micro SD Card	up to 1TB
Video Storage Type	Event video clips only
Video File Format	MP4

General

Power Supply	DC 5V 1.5A
Power Consumption	＜7W
Working Environment	-10℃~+45℃, Less Than 95%RH
Dimension(L×W×H) Weight	66mm×111.5mm×110.7mm 208g
Certification	CE

Edge-Side AI Function

Visitor Facial Recognition	YES
Cross-Camera Tracking	YES
Event Summary	YES

Auxiliary Interface

Built in Speaker	96dB
Reset Button	YES

Network

Wi-Fi	IEEE802.11b/g/n/ax, WiFi6, 50m Open Field
WAN	Ethernet: 1 RJ–45 port (10/100 Mbps) Wi-Fi: 5GHz Wi-Fi 6
LAN	2.4/5 GHz Dual-band Wi-Fi 6
Compatible APP	IMOU APP (IOS＆Android)

Compatibility Devices

Battery Camera	IMOU battery cameras: now we only provide Kits with IMOU AOV Track Plus 4K and AOV Air Series
Wired-Power Camera	IMOU wired-power cameras on sale are compatible with Smart Hub.



AOV Air 5MP

2.4 & 5GHz Wi-Fi
With 3W Solar Panel

The AOV Air utilizes leading **AOV (Always On Video)** technology, addressing common pain points of traditional battery-powered cameras, such as detection latency, incomplete recording, and excessively short detection distances. The camera connects via **dual-band 5GHz/2.4GHz Wi-Fi 6**, providing flexible and stable connectivity while minimizing interference for stronger and more reliable signal transmission. With **5MP** resolution and a built-in spotlight, it provides clear, sharp, and vibrant HD video, day or night. Equipped with **IMOU SENSE** AI technology, the camera supports intelligent people and vehicle detection, and immediately sends a notification to the app upon detecting an alarm event.. The **5000mAh** rechargeable lithium battery and **3W** solar panel design eliminates the need for wired power, ensuring long-term operation through efficient energy harvesting and extended battery life.

5MP QHD Video
See more details than 5MP

5000mAh Rechargeable Battery
No wiring needed—operates for extended periods on a single charge

Smart Full-Color Night Vision
Automatically switches to color mode from infrared mode.

Dual-Band Wi-Fi 6
Flexibly set up with 5GHz or 2.4GHz Wi-Fi for stronger & more stable signals

Human &Vehicle Detection
Human/vehicle detection powered by IMOU SENSE technology

PIR & AOV Mode
Event Recording by PIR Mode & 24/7 Always on video recording by AOV Mode

Privacy Mode
Hide the lens to protect your Personal privacy

Low Temperature Charging
Normal charging can also be guaranteed at **-10 ℃**, 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.

Solar Panel
Lowers energy costs while being eco-conscious



Stay close with what you care

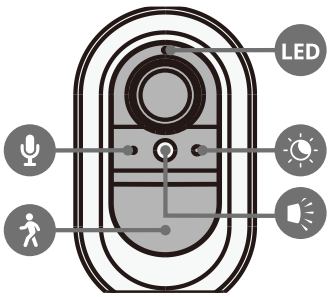
With SD Card , you will have access to what you care as long as Internet is available .

You can record daily or motion videos on **Cloud** and play back anytime anywhere.

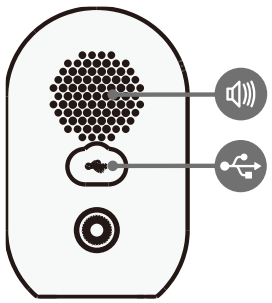


Always on video for 24/7 Recording

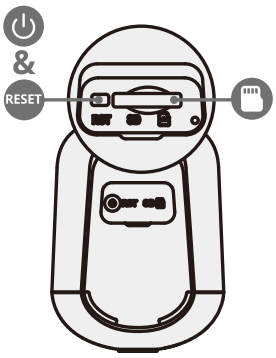
AOV Mode records full alarm videos and generates footage/ from quick snapshots the rest of the time.



Front View



Back View



Back View

Specifications

Camera

Image Sensor	1/ 2.9”Progressive CMOS
Max Resolution	5MP(2880×1620)
Night Vision	15m （49ft） Distance
Focal Length	F1.6； 3.6mm Fixed Lens
Pan & Tilt Lens	94°(H),52°(V),111°(D)
Rechargeable Battery	5000mAh

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

General

Power supply	DC 5V 2A
Working Temperature	-20℃~+50℃ （-4℉~122℉）
Charging Temperature	-10℃~+45℃ （14℉~113℉）
Dimension(L×W×H)	106mm×91mm×155mm
Weight	270g （0.6lb）
Certification	CE， MSDS

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



3W Solar Panel

FSP12-TYPEC

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

Compatible with AOV Air,AOV PT,AOV PT Lite , Cell PT 3C, Cell 3C, Cell Go Full Color ...

Solar-Powered Continuous Charging

3W 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

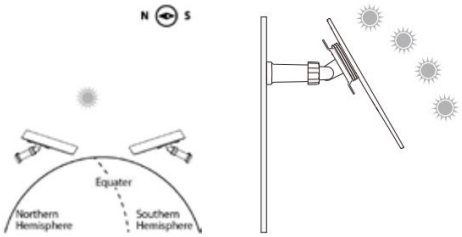
Built to withstand extreme weather conditions.

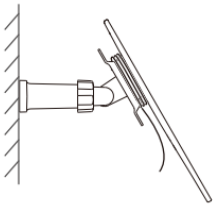
4m Connection Cable

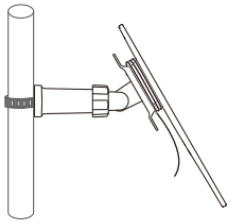
The 13ft (4m) cable allows for flexibility when choosing the location of your solar panel and ensures it can get maximum sunlight exposure.

Type-C

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







Specifications

Max. Power： 3W±5%@40000lux

Solar panel working voltage: 6V±5%

Working current: 0.5A±5%

Operating temperature: -20℃ to +60℃

Storage conditions: Temperature-20℃~45℃,Humidity < 60%

Conversion rates: ≥19.5%

Device Dimensions: 173x120x12.5mm(6.81x4.72x0.49 inch)

Device Weight： 261.5g(0.577lb)