



V4-C1

4MP WiFi Pan-Tilt Solar Battery Camera



Key Features

Designed for outdoor monitoring with solar charging, WiFi connection, smart detection, tracking, and alarm response.

4MP

4MP HD Video

Up to 2880 x 1620 maximum video size with dual-stream support.

SUN

Solar + Battery Power

8W solar panel and built-in 8800mAh lithium battery for outdoor use.

WiFi

WiFi 6 Dual-Band

Supports 2.4G / 5G dual-band WiFi and Bluetooth v5.4.

PTZ

Pan & Tilt View

Horizontal 0-355 degrees and vertical 0-90 degrees viewing control.

AI

Human / Vehicle Detection

Smart detection helps focus alerts on people and vehicles.

AUTO

Auto Tracking

Automatically follows moving targets for better coverage.

2W

Two-Way Audio

Built-in microphone and speaker for live talk and listening.

ALM

Sound & White Light Alarm

Supports sound alarm and white light warning for active deterrence.

LED

Dual Light Night Vision

20m IR illumination plus 20m white light distance.

REC

Flexible Recording

Cloud storage option or local Micro SD recording up to 512GB.

Ideal for home and business indoor/outdoor monitoring

Solar powered • Smart detection • Auto tracking • Two-way audio • Sound & white light alarm

V4-C1 Detailed Specifications

Camera

Model	V4-C1
Sensor	1/3" CMOS
Lens	3.6mm @ F1.6, M12 lens interface
Field of View	Diagonal 91°, Horizontal 77°, Vertical 41°
Pan/Tilt Angle	Horizontal 0-355°, Vertical 0-90°
Day/Night	ICR infrared filter
Noise Reduction	3D Digital Noise Reduction

Video

Compression	H.265 / H.264
Maximum Video Size	Maximum 2880 x 1620, supports dual stream
Frame Rate	Maximum 15fps
Image Flip	Support
Backlight Compensation	Support
Working Mode	Constant Power Mode / AOV Mode

Smart Features

Smart Alarm	Person / Vehicle Detection
Sound & Light Alarm	Support sound alarm and light alarm
Two-Way Audio	Support
Auto Tracking	Support
Pan/Tilt Presets	Support, up to 6 presets

Network / Storage

WiFi Standard	IEEE 802.11a/b/g/n/ac/ax, WiFi 6
WiFi Band	Supports 2.4G / 5G dual-band
Bluetooth	Bluetooth v5.4
Storage Interface	Micro SD card up to 512GB
Power Interface	Type-C interface
Reset / Power Switch	1 reset button / 1 power switch

Power / Solar / Battery

Solar Panel Output	8W, 5V, maximum output current 1.52A
Solar Panel Size	264 x 172mm
Battery Capacity	8800mAh
Power Supply	Type-C charging port DC 5V/2A. User needs to provide adapter.
IR Distance	20m
White Light Distance	20m

General

Operating Temp.	-10°C to 50°C, humidity less than 95%, non-condensing
Solar Operating Temp.	-20°C to 60°C
Camera Dimensions	113 x 167 x 144mm
Weight	760g bare unit
Recording Note	Micro SD card not included. Cloud storage option available.

Important customer notes

Micro SD card is not included. Type-C DC 5V/2A power adapter is not included. Specifications are based on the V4-C1 datasheet. Cloud storage availability and service terms may vary by configuration or service plan.