



# CB3 + Solar Panel 5W

Smart Home Battery Camera Kit

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## Non-stop protection achieved through a green approach

Never worry about losing power again with the CB3 solar panel kit. Built to keep up with your 24/7 security needs, the camera is equipped with cutting-edge AOV technology. Thanks to AI-enhanced smart detection, and advanced Wi-Fi 6 support, the kit is thoughtfully designed to offer reliable, continuous outdoor security that adapts to your everyday life.



# Key Features

## CB3 (AOV Version)



2K Resolution



Always-On Video Mode



AI-Powered Human / Vehicle Shape Detection



5W High-Efficiency Solar Panel Included



Up to 120 Days of Battery Life<sup>1</sup>



Supports Wi-Fi 6 Network



Color Night Vision



Two-Way Talk



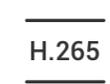
Customizable Voice Alerts



Active Defense with Siren & Strobe Light



Weatherproof Design



H.265 Video Compression



Smart Integration with Google Assistant & Amazon Alexa<sup>2</sup>

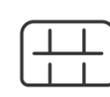


Supports MicroSD Card (up to 512 GB) & EZVIZ CloudPlay Storage<sup>3</sup>

## Solar Panel 5W



Eco-Friendly & Cost-Saving Solar Power Supply



High Light Absorption with Monocrystalline Silicon Cells



High Charging Efficiency (up to 5 W)



3-Meter Cable for Mounting Flexibility



Weatherproof Design

# The power to protect, now always on

With EZVIZ's innovative AOV technology, the CB3 4G provides a plenty of recordings beyond PIR-triggered events, while managing power consumption much more efficiently.

[About the EZVIZ AOV Technology >](#)

## 01 Always records, scenes or events

Want all-day recording video but worry about the battery will run out too quickly? Use the AOV mode. The CB3 can connect and process the images captured at preset time intervals to render a continuous time-lapse video that shows you changes in the environment.<sup>4</sup> When an important human activity happens, the camera starts recording a normal video, so you don't miss an important detail.



Wiser Battery Consumption for All-Day Recordings

## 02 Always protects, far or near

When the AOV is on, the camera can detect an approaching person or vehicle at a much greater distance. If a person or vehicle appears in the camera, even if they are outside the range of the PIR sensor, the camera will notice that and inform you immediately.



Extended Detection Distance



Human Motion Period  
Normal Speed Video



Non-motion Period  
Full Time-lapse Video



Human Motion Period  
Normal Speed Video

12-25 meters<sup>5</sup>

9 meters

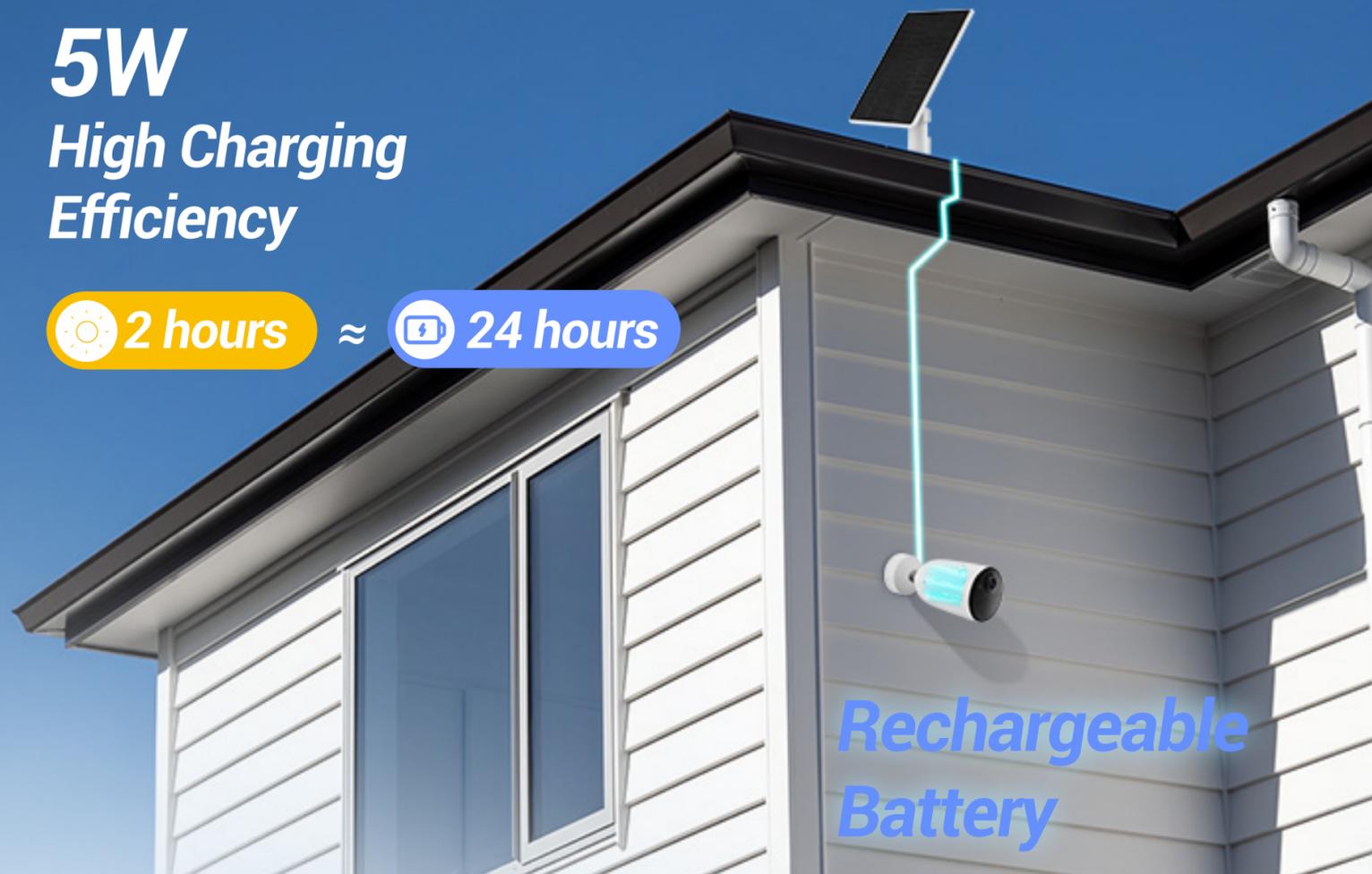
**AOV**  
24/7 EZVIZ PROTECTION  
Continuous Recording

**Standard**  
PIR-Triggered Recording

**AOV**  
24/7 EZVIZ PROTECTION

**5W**  
**High Charging**  
**Efficiency**

 **2 hours** ≈  **24 hours**

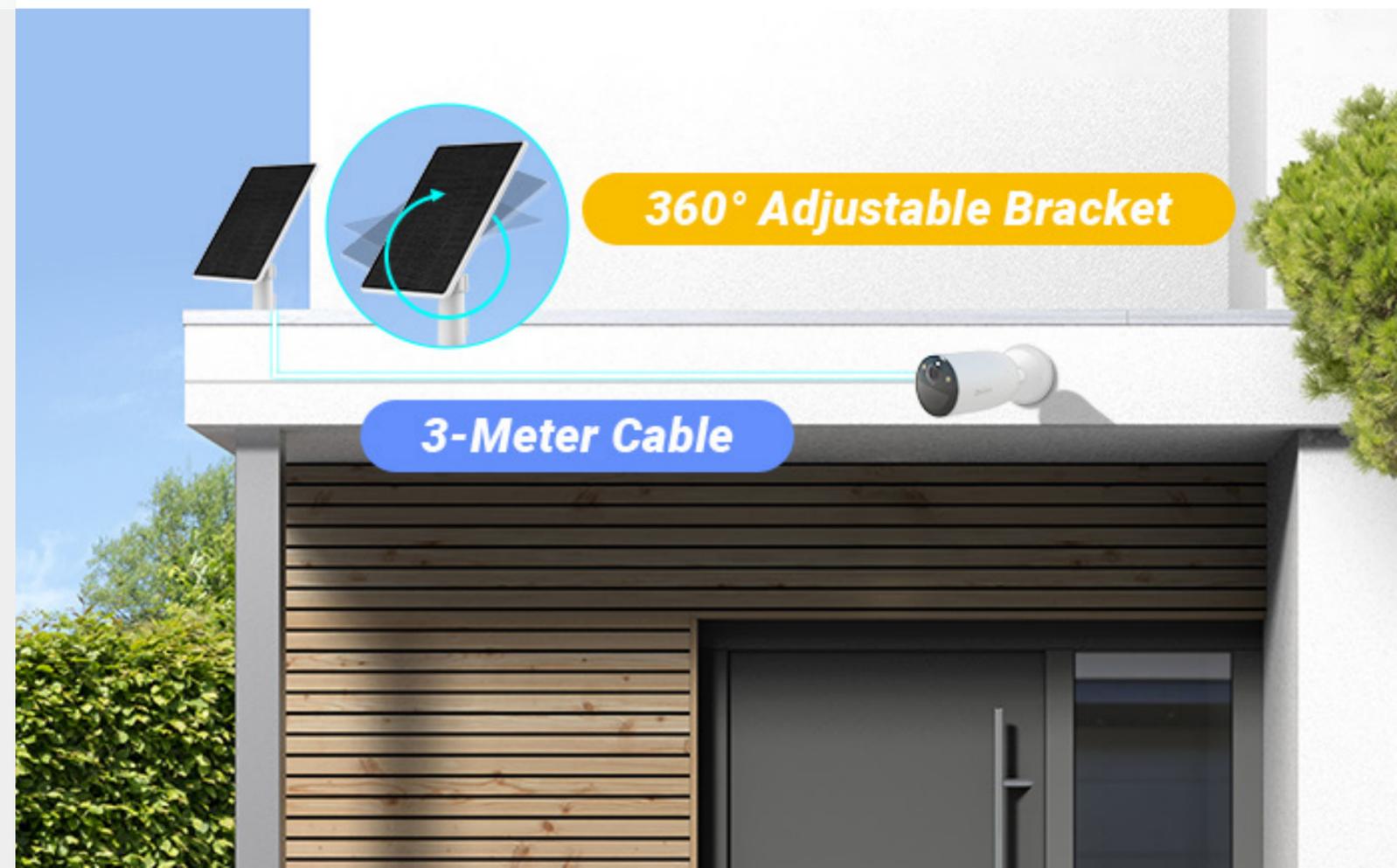


## Non-stop solar power, set-and-forget<sup>6</sup>

The CB3 is serious about getting hassle-free. Install its included solar panel at a sunny spot, and connect it to the camera, so the system will take free, green energy to keep the watch around the clock, all by itself. With just two hours of direct sunlight each day, you can enjoy uninterrupted monitoring near your premises.

## Easy and flexible installation

With an adjustable bracket that rotates 360 degrees and a 3-meter cable, the solar panel offers incredible installation flexibility, you can find the best location or angle for optimal sun exposure.



## Smarter detections are unlocked for free

Say goodbye to a long list of annoying alerts that only capture flying insects or falling leaves. The CB3 is capable of detecting people and cars in particular, while providing flexible settings for you to customize the detection area and sensitivity. It pushes notifications to your phone when it's truly worthy of your attention.



**AI-Powered Human Shape Detection**



**AI-Powered Vehicle Shape Detection**

**FREE**

**No Subscription Fee**

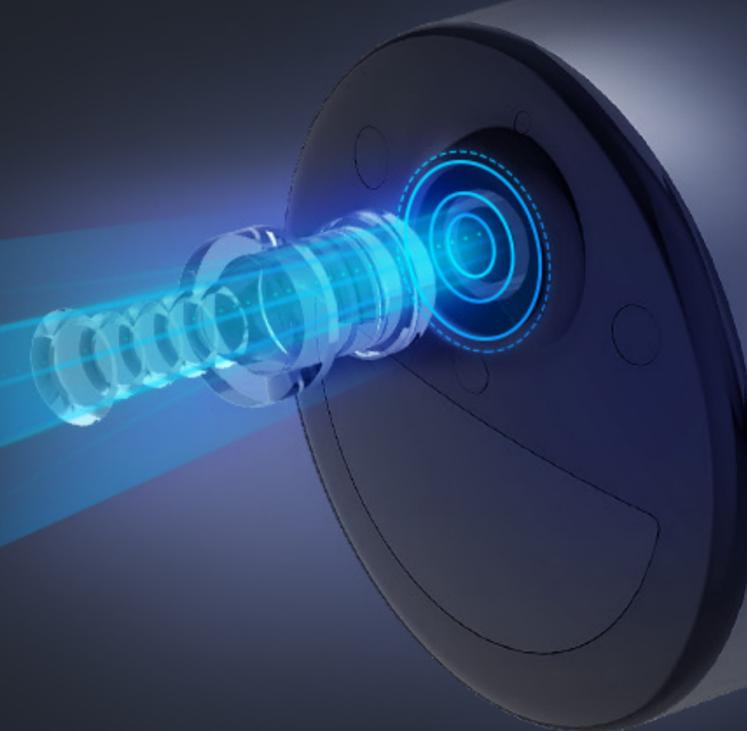


## Stunning detail with 2K resolution

The EZVIZ CB3 features crystal-clear 2K resolution to provide advanced detail capturing. It makes sure you never miss a single important moment happening at home.



# Crisp 2K



## Night is now bright and colorful

Blurred and pixelated night vision is now a thing of the past. The improved lens with the large F1.6 aperture captures more light and thus enables long-range color night vision of up to 15 meters. What's better, you can choose between the color mode or the infrared mode as you'd like.



**2 Spotlights** | Full-Color Night Vision



**2 IR Lights** | Black & White Night Vision

## Faster connections, boosted coverage

Being Wi-Fi 6-enabled means that the CB3 is far less likely to face network challenges when operating outside your house. In addition to enhanced Wi-Fi connection stability, you can enjoy smoother 2K video streaming and faster camera response when controlling it remotely.

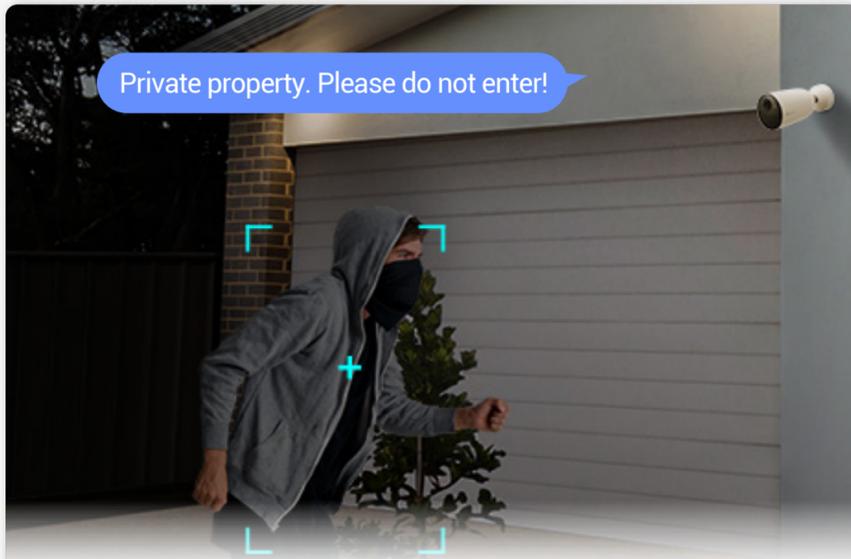
Low-Latency  
2K Streaming

Extended Range  
& Coverage

Enhanced  
Connectivity

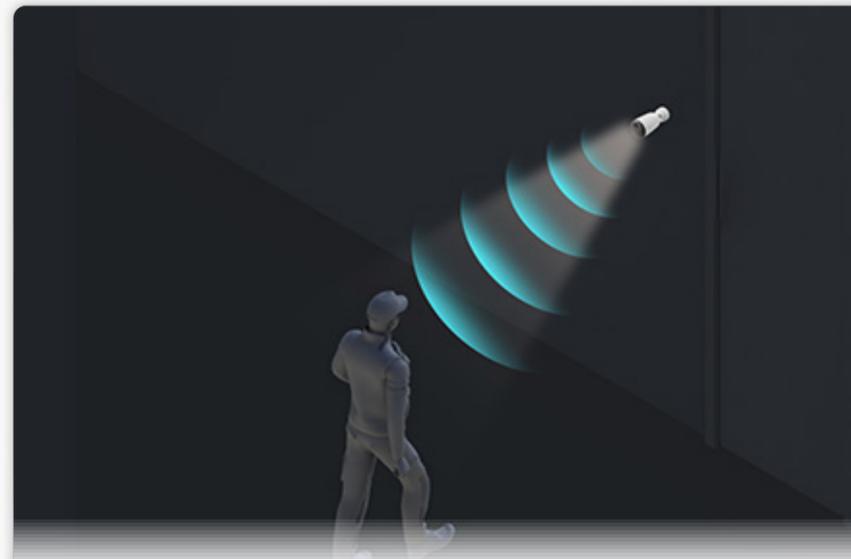
No Hub  
Required





### Respond with high-quality audio

Easily respond to any visitor by simply using your phone to speak remotely. The camera can also auto-play a recorded voice message when a motion is detected.



### Use active defense to deter

Upon detection of intruders, the camera will set off a loud siren and flash two dazzling spotlights to let the uninvited strangers know they have been detected.



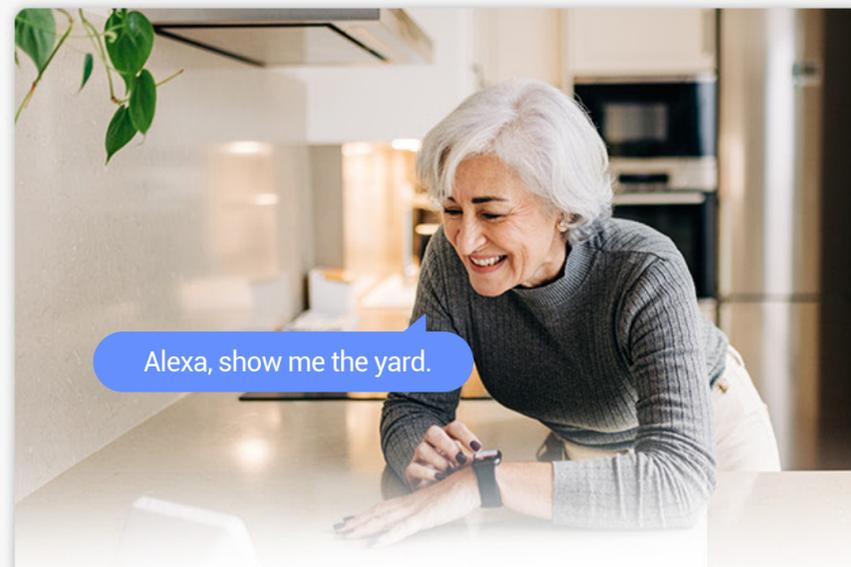
### Deliver protection, rain or shine

With a robust weatherproof design, the camera and the included solar panel ensure continuous operation, making it your reliable partner in all weather scenarios.



### Enhance video experience with H.265

The H.265 creates a smoother viewing experience while only using about 50% of the data storage space required by cameras with H.264.<sup>7</sup>



### Control with your voice, hands-free

The camera can integrate with your existing voice assistants. You can pull up the video feed by simply saying "Alexa" or "Hey Google".<sup>2</sup>



### Save your videos with two options

Safely store important moments or cute memories on a large local storage card, or by subscribing to the EZVIZ CloudPlay.<sup>3</sup>

# A cleaner planet, with an EZVIZ Green product

At EZVIZ, we design products with sustainability in mind, building a smart home that's ready for the future and responsible for the planet. By integrating the use of solar technology and planting forests, we enable you to live a smart lifestyle with less carbon emissions.



Reduces carbon emissions generated by a multi-device smart home

[Learn more >](#)



**Initiative of the Year**



Grows the EZVIZ Global Forest Plan with locally beneficial tree

## We're committed to protecting with trust

We put security as the primary goal of every product and system that we build, and assiduously improve our practices to better protect your device, data and privacy.

[Learn more about our security practices >](#)



**End-to-end Data Encryption**

**TLS**

Data Transmission Encryption

**AES**

Data Encryption

Our global certifications in the fields of **information security, privacy information security, and cloud security**



- 1 Data comes from EZVIZ Lab's test under standard conditions, based on an usage of 5 minutes per day. May vary due to environmental factors and the frequency of camera activities.
- 2 Amazon Alexa and Google Assistant are not available in certain languages and countries.
- 3 The local storage card must be purchased separately. The cloud storage service is only available in certain markets. Please verify the availability before making a purchase.
- 4 To use this function, a compatible microSD card (sold separately) must be inserted into the camera.
- 5 When the AOV mode is enabled, according to EZVIZ Lab's test results under standard conditions, the CB3 is able to detect movements at a distance of up to 25 meters during the day, and up to 12 meters during the nighttime. The actual detection range may differ due to other environmental factors.
- 6 Data from EZVIZ Lab's test results, under the following standard condition: AM=1.5 , 25°C, 1000W/m<sup>2</sup>, SMQ. The data is obtained based on the camera set on AOV mode and with the AOV interval set as AUTO. The actual charging efficiency may vary depending on sunlight intensity and other environmental factors, while the actual hours of camera use may also differ due to the frequency of camera activities and other environmental factors.
- 7 Data from EZVIZ Lab's test results under standard conditions. The video compression efficiency will vary with the frequency and complexity of the activity captured, and other environmental factors.

# Specifications

CS-CB3-R200-1K3WFL

## Camera

Image Sensor	1/2.8" 3-Megapixel Progressive Scan CMOS Sensor
Minimum Illumination	0.01 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	Self-adaptive shutter
Lens	2.8 mm @ F1.6 Diagonal angle: 130°; horizontal angle: 108°; vertical angle: 56°
Day & Night	IR-cut filter with auto switch
DNR	3D DNR
Night Vision	IR Distance:15 m, Color Night Vision Distance:15 m

## Video & Audio

Max Resolution	2K (2304 × 1296)
Frame Rate	15fps. Self-adaptive during network transmission
Video Compression	H.265 / H.264
Video Bit Rate	Quad-HD; Full HD; Hi-Def; Standard; Adaptive bit rate.
Audio Bit Rate	Self-adaptive
Max. Bitrate	1.5 Mbps

## Network

Bluetooth	Supports
Wi-Fi Standard	IEEE802.11b, 802.11g, 802.11n , 802.11ax
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	Support 20 MHz
Security	WPA-PSK / WPA2-PSK, WPA3-Personal
Transmission Rate	11b:11 Mbps, 11g:54 Mbps, 11n:72 Mbps, 11ax:114 Mbps
Wi-Fi Pairing	AP pairing
Protocol	EZVIZ cloud proprietary protocol
Interface Protocol	EZVIZ cloud proprietary protocol
Minimum Network Requirement	4 Mbps

## Function

Smart Alarm	AI-powered human shape detection; AI-powered vehicle shape detection
Two-Way Talk	Supports
General Function	Anti-Flicker; Heart Beat; Password Protection; Watermark

# Specifications

CS-CB3-R200-1K3WFL

## Storage

Local Storage	Supports microSD card (max. 512 GB)
Cloud Storage	Supports EZVIZ CloudPlay storage (Subscription required)

## General

Operating Conditions	-20°C to 50°C (-4°F to 122 °F) Humidity 95% or less (non-condensing)
IP Grade	IP65
Power Supply	DC 5 V / 2 A (Compatible power adapter needs to be purchased separately)
Battery Capacity	5,200 mAh
Power Consumption	Max. 10 W
Product Dimensions	153.3 × 62.95 × 62.95 mm
Packaging Dimensions	103 × 103 × 186 mm
Weight	Net Weight: 222.7 g With Package: 569 g

# Specifications

CS-PSP5-R100-3M

## Performance Parameter

Power Voltage	5.7 V
Power Current	877 mA
Open Circuit Voltage	6.9 V
Short Circuit Current	0.92 A
Max. Power	5 W
Interface	Type-C
Solar Cell Efficiency	23.5%
Operating Conditions	-20 °C to 60 °C (-4 °F to 140 °F), Humidity 90% or less (non-condensing)
IP Grade	IP65

## Mechanical Data

Solar Cell Type	Monocrystalline solar cells
Power Cable Length	3 m
Product Dimensions	202.7 × 148 × 2.5 mm (7.98 × 5.83 × 0.10 inch)
Packaging Dimensions	225 × 170 × 70 mm (8.86 × 6.69 × 2.76 inch)
Weight	656 g (23.14 oz)

## In the box

- CB3 Camera
- Solar Panel 5W
- Screw Base
- Power Cable
- Drill Template
- Screw Kit × 2
- Regulatory Information
- Quick Start Guide

## Certifications

CE / REACH / WEEE / RoHS

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