



# EB5 **4K** Type-C

## Smart Home Solar Battery Camera

### Solo. Solar. Sophisticated.

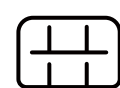
The EB5 presents itself with the highest functionality and smartness of EZVIZ, but the least concerns regarding installation and daily maintenance. It comes packed with an intuitive collection of smart detections upon human and vehicle, sends instant alerts and records important moments in 4K video. With its sleek and gray appearance, it fits well into low-key exterior house design. By consuming green solar energy instead of wired power, the family no longer has to worry about the security-related electricity bill.



4K Resolution



Always-On Video Mode<sup>1</sup>



Built-in 1.4W Solar Panel (2-Hour Charging for Whole-Day Use)<sup>2</sup>



10400 mAh Large Battery (Up to 180 Days Without Solar Charging)<sup>3</sup>



AI-Powered Human / Vehicle Shape Detection



Extended Power Supply with Add-On EZVIZ Solar Panels<sup>4</sup>



Weatherproof Design



Active Defense



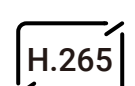
Color Night Vision



Two-Way Talk



Supports Wi-Fi 6 Network (2.4 GHz)



H.265 Video Compression



Smart Integration with Google Assistant & Amazon Alexa<sup>5</sup>



Supports MicroSD Card (Up to 512 GB) & EZVIZ CloudPlay Storage<sup>6</sup>



# *Non-stop power. Unprecedented easiness.*

## Solar style, green lifestyle

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No electricity wiring available but desire continuous power? The EB5 turns every ray of the sunshine as its free source of energy. Only two hours of direct sunlight every day keep the camera running nonstop.<sup>2</sup> Even when it's rainy season, the onboard 10,400mAh large battery ensures the EB5 operates up to 180 days uninterruptedly.<sup>3</sup>

 **2 hours** ≈  **24 hours**



## Wire-free, hassle-free

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Install EB5 effortlessly – no wires, no hubs and no extra solar panels. Its compact design makes it easy to change its location to find the best sunny spot.

*Exceptional vision. Go beyond details.*

## Time for 4K Ultra HD

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We advance the lens of the EB5 to render stunning 4K videos, so even the smallest detail that usually slips your attention now becomes crystal clear. Use the EB5 to oversee expansive outdoor landscapes with precision, and relive precious family moments like never before.



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



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

## True-to-life night vision

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The EB5 delivers vibrant, full-color live feeds at night with its integrated spotlights. Equipped with the F1.6 aperture, it ensures crisp visuals in low-light condition, too. You can set the camera on a smart mode to auto-switch between the two night visions.

# The power to protect, now always on

With EZVIZ's innovative AOV technology, the EB5 provides a plenty of recordings beyond PIR-triggered events, while managing power consumption much more efficiently.

[About the EZVIZ AOV Technology >](#)

- Please update your camera to the latest firmware version to use the full AOV functions. -



## 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 EB5 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>7</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



Human Motion Period  
Normal Speed Video



Non-motion Period  
Full Time-lapse Video



Human Motion Period  
Normal Speed Video

## 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



Continuous Recording

Standard

PIR-Triggered Recording

12-25 meters<sup>8</sup>

9 meters



## Powerful detection without a subscription

The EB5 starts detecting important activities around your home the moment that you have it installed, without any hidden fee to lock out advanced features. It smartly distinguishes people and cars from other trivial moving objects, so you do not receive tons of unwanted notifications.

## Extra-large storage for everyday videos

Even huge video files and detection clips in a busy day can be properly and safely stored without a problem. You can use a large microSD card to keep everything locally without any commitment to a monthly plan. Or, simply enjoy the services provided by the EZVIZ CloudPlay<sup>6</sup> for less hassles.



Supports MicroSD Card



Supports EZVIZ CloudPlay Storage

# Trusted performance. Ready for the outdoors.

## Enhanced connectivity in even large houses

Even when installed outside of houses with thick walls and large transmission range, the EB5 is able to remain vigilant and responsive with a stable Wi-Fi network, thanks to the Wi-Fi 6 technology.

Enhanced  
Connectivity

Low-latency  
4K Streaming

Extended Range  
& Coverage

No Hub  
Required

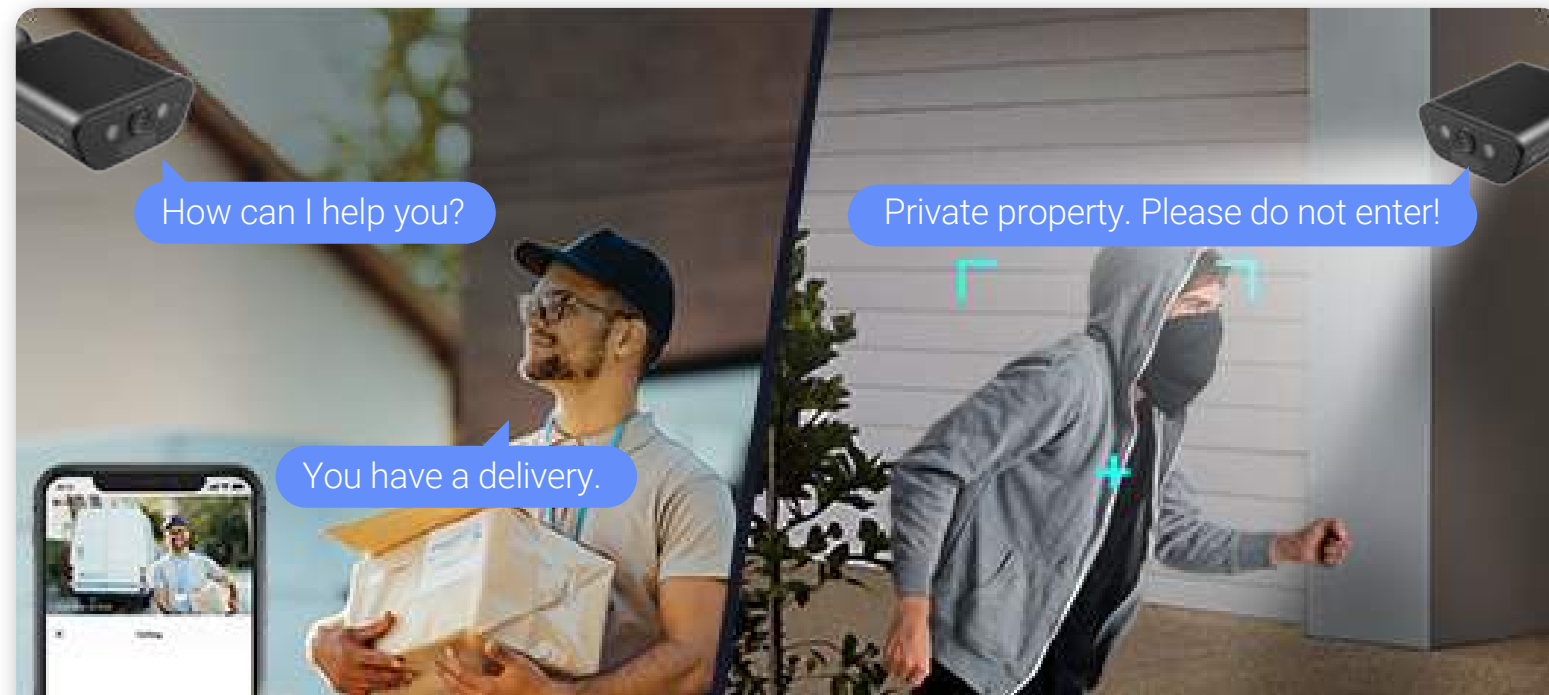


## Built to last long

The EB5 is made with a durable, weatherproof enclosure. You can always trust on its performance against rain, dust and snow.

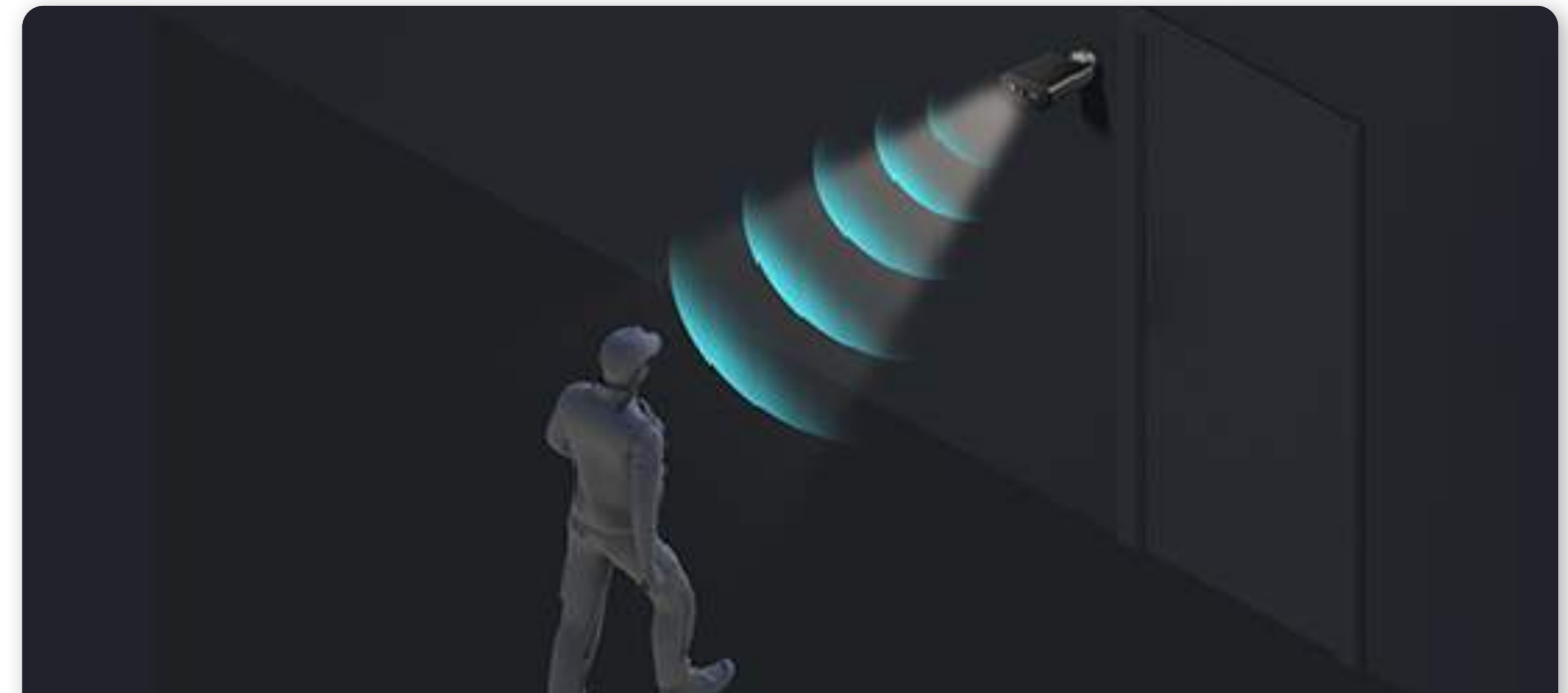


## More convenience for various needs



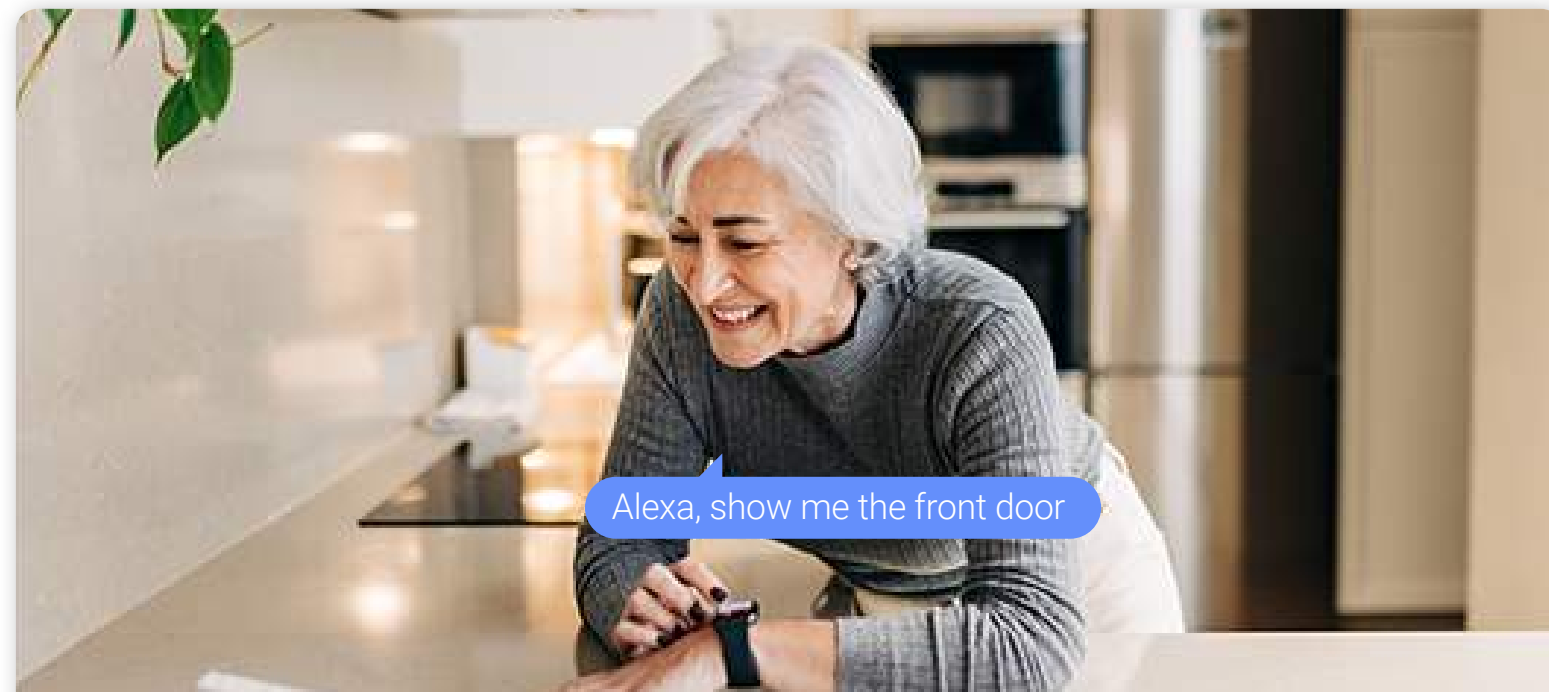
### High-quality audio to respond & warn

Easily respond to any visitor by simply using your phone to speak remotely. The EB5 can also auto-play a recorded voice message when a motion is detected.



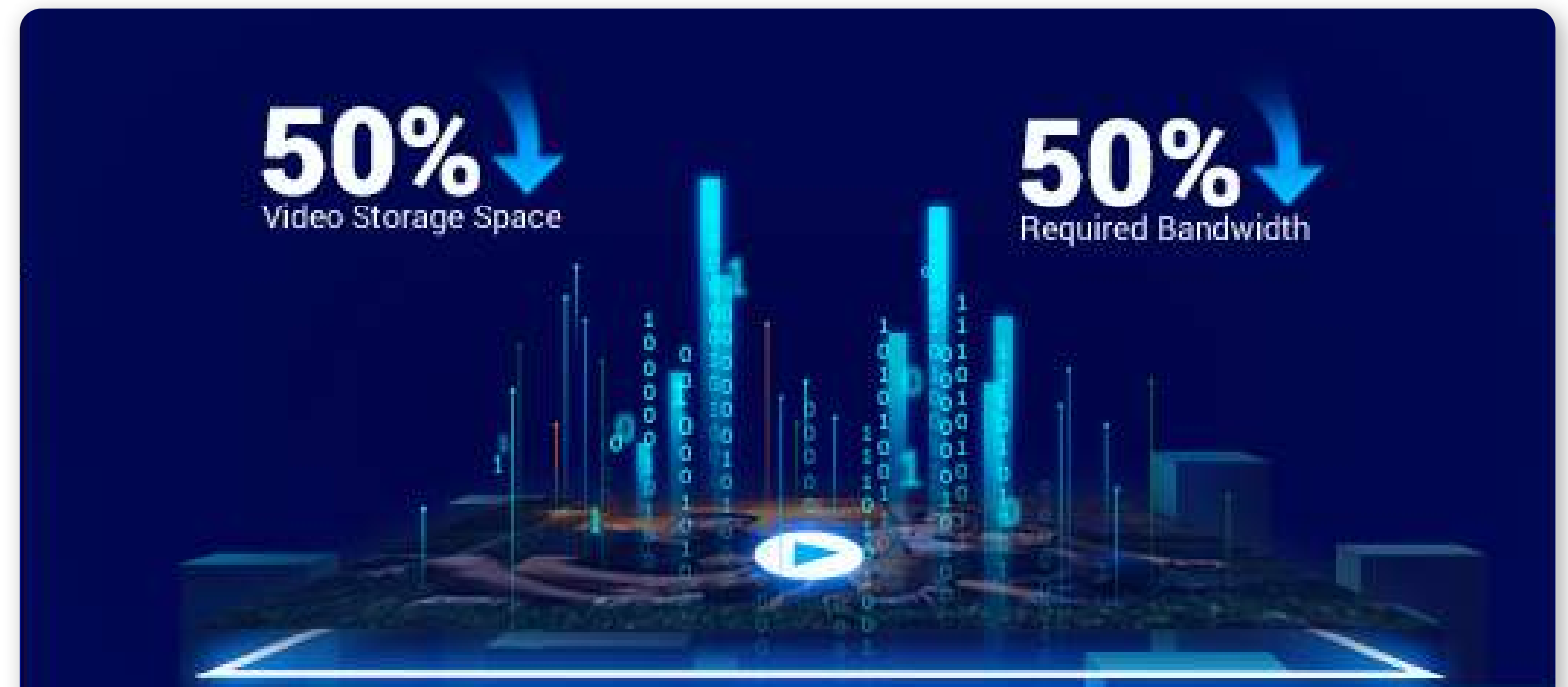
### Active defense to deter & safeguard

Upon detection of intruders, the camera will set off a loud siren and flash two dazzling spotlights<sup>9</sup> to let the uninvited strangers know they have been detected.



### Smart integration for hands-free control

The EB5 supports easy integration to your existing voice assistants. You can pull up the video feed by simply saying "Alexa" or "Hey Google".<sup>5</sup>



### H.265 for enhanced video experience

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>10</sup>

- 1 Please update your camera to the latest firmware version to use the full AOV functions.
- 2 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 usage of 5 minutes per day, including the activities of camera detection and auto-triggered recording. Actual charging efficiency may be higher or lower depending on sunlight intensity and other environmental factors, and the actual hours of camera use may also vary due to the frequency of camera activities and other environmental factors.
- 3 Data from EZVIZ Lab's test results, under the condition that the camera only operates with the fully charged onboard battery and does not consume additional power converted by the integrated solar panel. The data is obtained based on the usage of 5 minutes per day, including the activities of camera detection and auto-triggered recording. Actual use may vary due to environmental factors and the frequency of camera activities.
- 4 The EB5 only supports working with the EZVIZ Solar Panels that use Type-C charging cables. The add-on solar panel is not included in the EB5 package. Please verify the product compatibility before making a purchase.
- 5 Amazon Alexa and Google Assistant are not available in certain languages and countries.
- 6 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.
- 7 To use this function, a compatible microSD card (sold separately) must be inserted into the camera.
- 8 When the AOV mode is enabled, according to EZVIZ Lab's test results under standard conditions, the EB5 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.
- 9 The spotlights will not flash when color night vision mode is enabled.
- 10 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-EB5-R100-2F8WFL

## Camera

Image Sensor	1/2.7" 8-Megapixel Progressive Scan CMOS Sensor
Minimum Illumination	0.01 Lux @(F1.6, AGC ON), 0 Lux with IR
Shutter Speed	Self-adaptive shutter
Lens	2.8mm@ F1.6 Diagonal angle: 135° Horizontal angle: 113° Vertical angle: 60°
Day & Night	IR-cut filter with auto switch
DNR	3D DNR
Night Vision	IR Distance:15m, Color Night Vision Distance:15m

## Video & Audio

Max Resolution	3840 × 2160
Frame Rate	15fps. Self-Adaptive during network transmission
Video Compression	H.265/H.264
Video Bit Rate	Ultra HD; Quad HD; Full HD; Hi-Def Adaptive bit rate.
Audio Bit Rate	Self-Adaptive
Max. Bitrate	4 Mbps

## Function

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

## Network

Bluetooth	Supports
Wi-Fi Standard	IEEE802.11b, 802.11g, 802.11n, 802.11ax
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	Supports 20MHz
Security	WPA-PSK/WPA2-PSK, WPA3-Personal
Transmission Rate	11b: 11Mbps, 11g :54Mbps, 11n :72Mbps, 11ax:114Mbps
Wi-Fi Pairing	AP pairing
Protocol	EZVIZ Cloud Proprietary Protocol
Interface Protocol	EZVIZ Cloud Proprietary Protocol
Minimum Network Requirement	8 Mbps

## Storage

Local Storage	Supports Micro SD slot for local storage (Up to 512G)
Cloud Storage	EZVIZ cloud storage

# Specifications CS-EB5-R100-2F8WFL

## 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 5V/2A (Compatible power adapter needs to be purchased separately)
Battery Capacity	10400 mAh
Power Consumption	Max.10W
Product Dimensions	166 × 103 × 54 mm
Packaging Dimensions	227 × 167 × 64 mm
Weight	Net Weight: 466g With Package: 822g

## In the box

- Camera
- Power Cable
- Drill Template
- Screw Base
- EZVIZ Screw Kit
- Regulatory Information
- Quick Start Guide

## Certification

CE / REACH / WEEE / RoHS

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