HB8 Pro + Solar Panel 5W

Smart Home Battery Camera Kit

Stunning. Streamlined. Sustainable

Ideal for any property where power supply is unreliable, the HB8 Pro Kit excels at a perfect combination of smartness and reliability, catering to diverse needs with unparalleled ease. Monitoring of larger areas is now clearer than ever thanks to the camera's amazing 4K video quality and 360-degree coverage. The kit also has a 5W solar panel that offers an eco-friendly power backup for extended durability and boosts EZVIZ's AOV technology, making all-day recording accessible for all.

Key Features

HB8 Pro

- 4K Resolution
- Always-On Video Mode 2.0
- 360° Panoramic View
- 10,400 mAh Rechargeable Lithium Battery[1]
- Works with EZVZ Solar Panels (Type-C versions) for Green Power
- AI-Powered Human / Vehicle Shape Detection
- Smart Tracking[2]
- Color Night Vision
- Balanced Image Exposure with Smart Lights
- Two-Way Talk
- Active Defense with Siren & Strobe Light
- Supports Wi-Fi 6 Network (2.4 GHz)
- Weatherproof Design
- Smart Integration with Google Assistant & Amazon Alexa[3]
- Supports MicroSD Card (Up to 512 GB) & EZVIZ CloudPlay Storage[4]

Solar Panel 5W

- Eco-Friendly & Cost-Saving Solar Power Supply
- High Light Absorption with Monocrystalline Silicon Cells
- High Charging Efficiency (Up to 5W)
- 3-Meter Cable for Mounting Flexibility
- Weatherproof Design

4K clarity means no detail missed

Say goodbye to the frustration of blurred images and lost details when monitoring extensive outdoor areas. The HB8 Pro is well prepared to take image quality to a new level with its ultra-clear 4K resolution.

360° means no angle unseen

The HB8 Pro uses a motorized lens with a smooth pan-tilt function via the EZVIZ App. At any time of day, you can monitor what's important to you from almost any angle. This is also useful when looking for the best installation location for the camera – you can always make adjustment to set the best viewing angle.

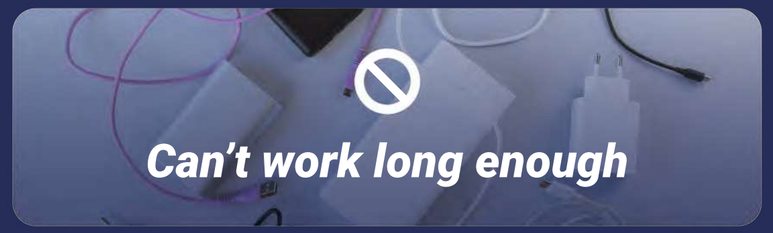
Time for battery-powered all-day recording

Unlike most battery cameras on the market, which have trouble detecting and recording videos due to short battery life and non-smart sensors, the camera is equipped with EZVIZ's groundbreaking AOV technology to enable all-day recording while ensuring a long standby time with a much greater detection distance.

About the EZVIZ AOV Technology >

VS

Most battery cameras in the market

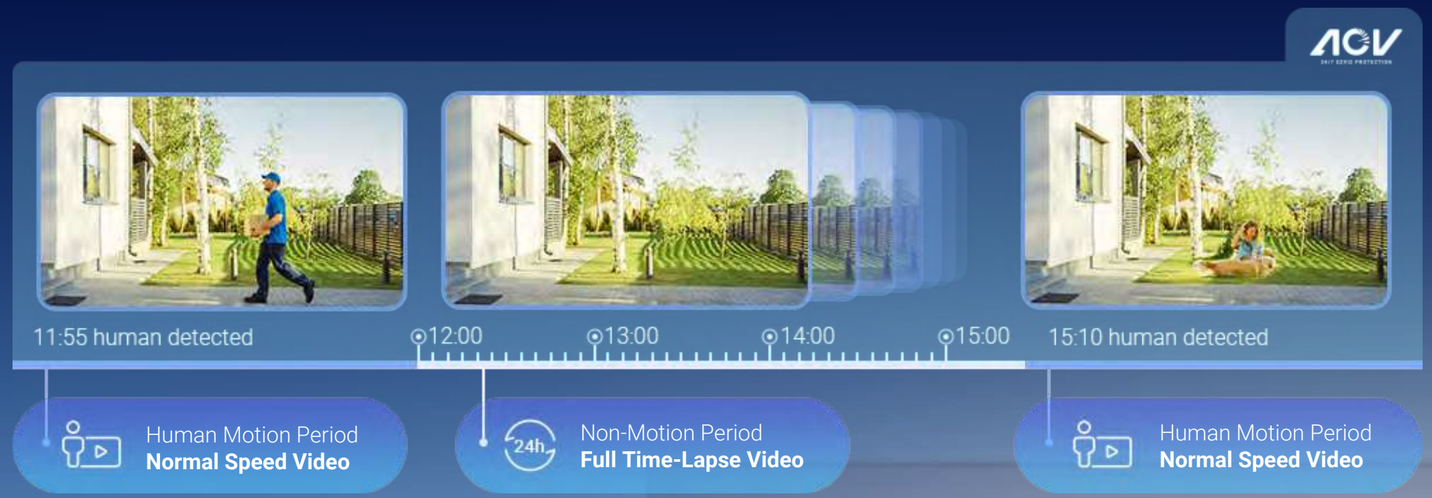


01 Always records, scenes or events

When on the AOV mode, the HB8 Pro can capture images at preset time intervals and process them to create a smooth time-lapse video[5] showing the changes over time, even when there is no activity. Once detecting an activity, the camera will switch to normal-speed videos to provide more information. You can now obtain all-day recording on a battery-powered camera without having to plug it into a power outlet.

Now upgraded to **AOV 2.0**

- Wiser Battery Consumption for All-Day Recordings
- Down to 1-Second Ultra-Short Time Interval



02 Always protects, far or near

Unlike other battery cameras that heavily rely on PIR sensors to capture only nearby activities, this camera can detect an approaching person or vehicle at a much greater distance. If a person or vehicle appears, it will immediately notice that and inform you straight away.

Non-stop solar power, set-and-forget[7]

The HB8 Pro 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.

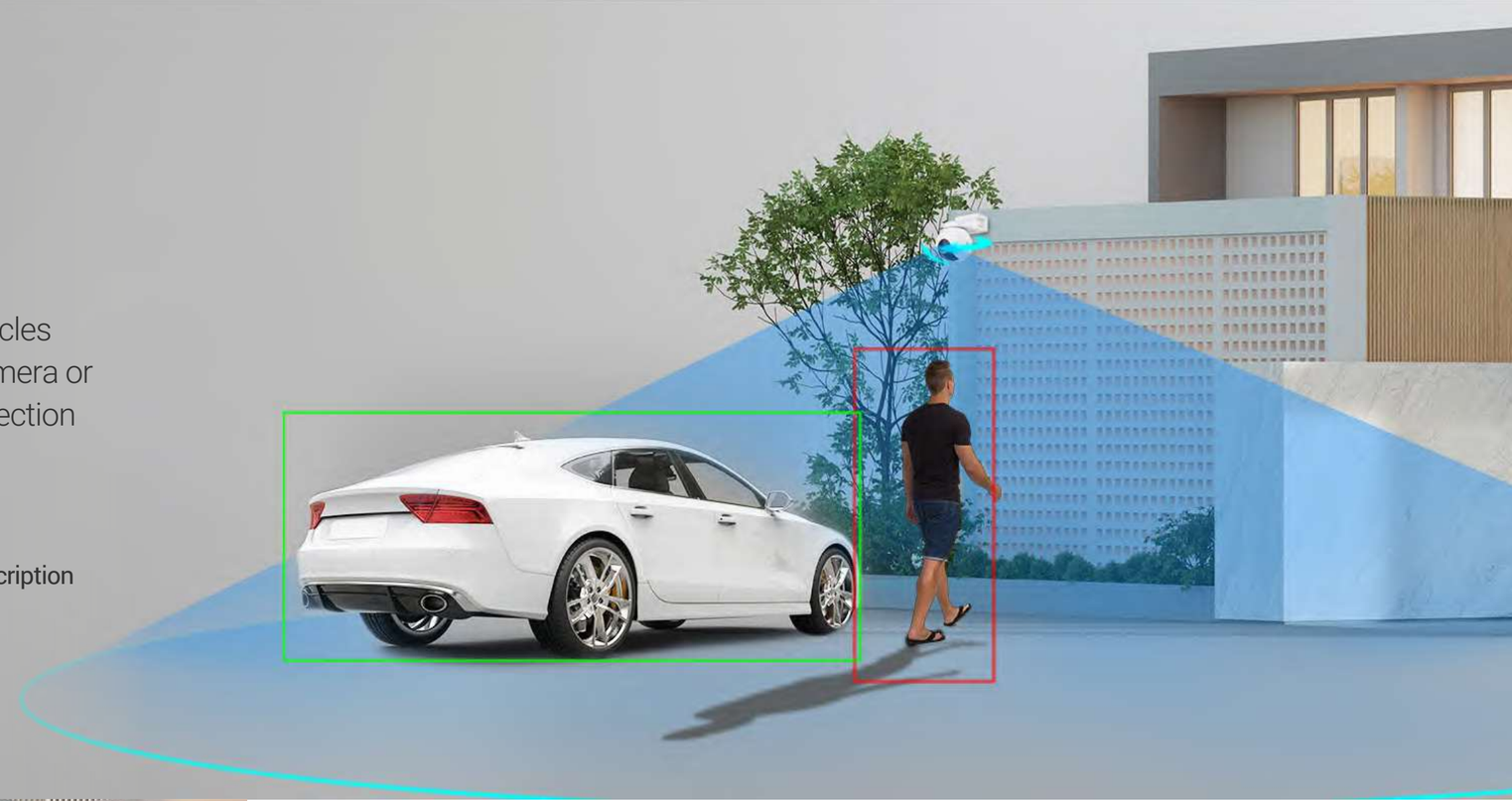
Smarter vision, better detection

The HB8 Pro is smart enough to distinguish moving people and vehicles from other objects. You no longer need to constantly watch your camera or go through long video files to find a crucial moment – set up the detection preferences and let the camera inform you when it's important.

AI-Powered Human / Vehicle Shape Detection

Customizable Detection Zone

FREE No Subscription Fee



Record an unfolding activity with auto smart tracking

Unlike a fixed-angle camera, which can easily lose sight of a moving person in its limited field of view, the HB8 Pro is able to change its sight to keep a close eye on an ongoing activity. As soon as a person enters the detecting zone, the HB8 Pro is activated to lock on the person, rotating to follow the entire movement.

Auto-Lock & Tracking on Detected People[3]

One-Click Return to Preset Viewing Angles

Night is now bright and colorful

Blurred and pixelated night vision is now a thing of the past. Thanks to its built-in spotlights, the HB8 Pro delivers vivid and crisp visuals even in the dimmest environments. You can choose between two night vision modes as you'd like.

F1.2 Large Aperture

Built-in Spotlights

Black-and-White Mode

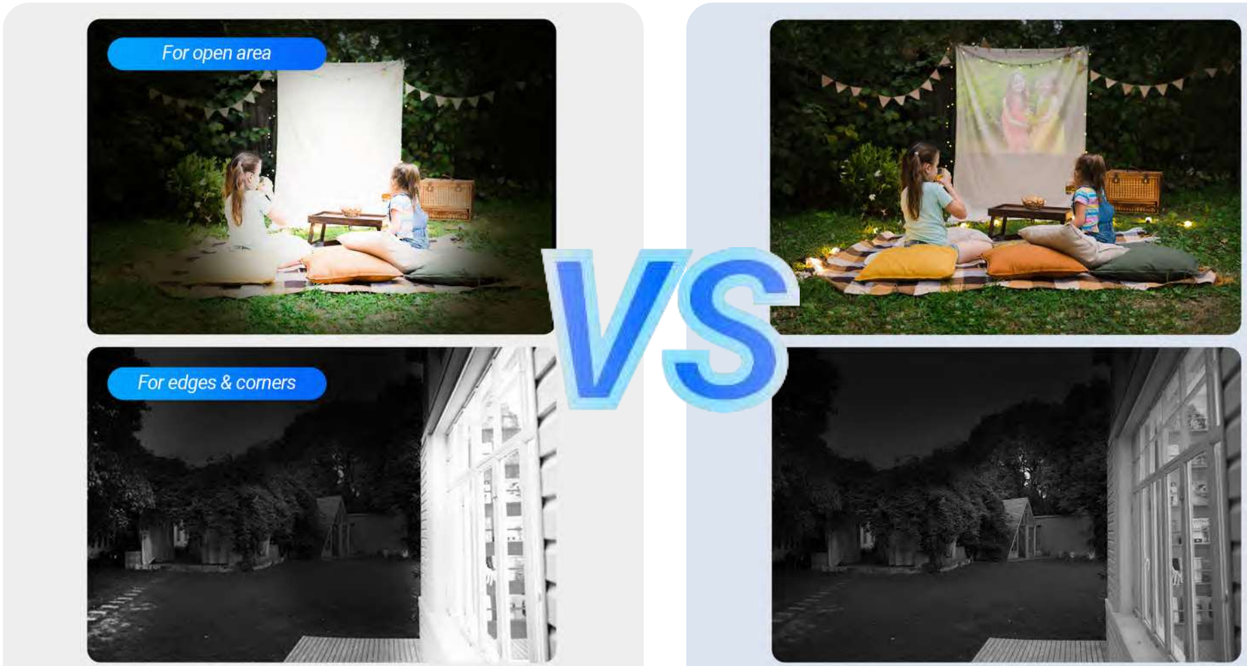
Full-Color Mode (Auto-switch upon motion detection)

Smart adaptation for even and clear images

Wherever you install the HB8 Pro camera, it manages to comprehend the surrounding light to automatically create an evenly exposed, clear image, even in the dark. Users can choose to enable the "Balanced Image Exposure" option via the EZVIZ App at any time, regardless of which night vision mode the camera is in.

Smartly reduces brightness to avoid overexposure

Automatically boosts image gain to see dark details



Without adaptative smart light

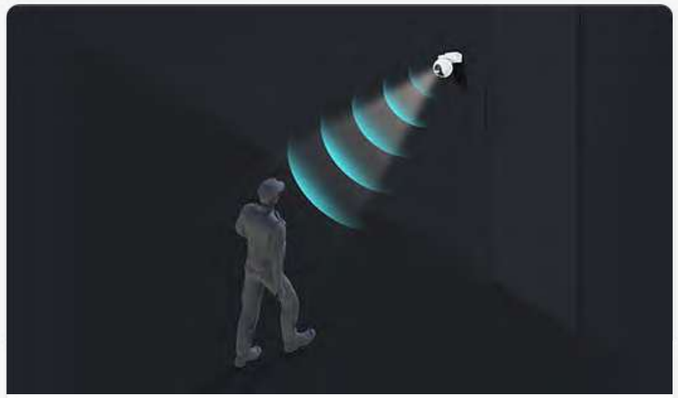
With adaptative smart light

Faster connections, boosted coverage

Being Wi-Fi 6-enabled means that the HB8 Pro 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 4K video streaming and faster camera response when controlling it remotely.

- Low-Latency 4K Streaming
- Extended Range & Coverage
- Enhanced Connectivity
- No Hub Required

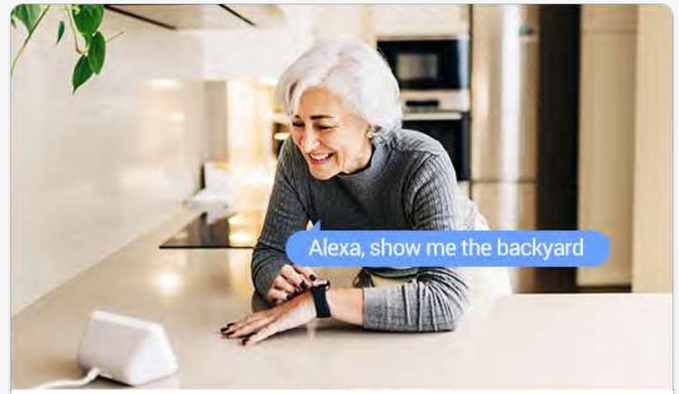
Respond instantly with high-quality audio or pre-recorded messages.



Trigger siren and light to actively warn and deter on the site.

Operate stably, rain or shine, with a durable weatherproof housing.

Save your videos on a local large storage card, or use EZVIZ CloudPlay.[4]



Integrate and enjoy hands-free control by saying "Alexa" or "Hey Google".[3]

Enjoy H.265 videos for smoother viewing experience and more efficient storage.[8]

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.

Learn more >

Reduces carbon emissions generated by a multi-device smart home

EZVIZ Green™

SUSTAINABILITY AWARD 2024

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 The battery life of the HB8 Pro is 180 days when on the standard PIR-triggered mode, based on an usage of 5 minutes per day. The battery life of the HB8 Pro is 15 days when camera is set to AOV mode with auto interval. Data comes from EZVIZ Lab's test under standard conditions and may vary due to environmental factors and the frequency of camera activities.

2 The HB8 Pro camera only supports auto smart tracking on detected humans based on its AI-powered human shape algorithm.

3 Amazon Alexa and Google Assistant are not available in certain languages and countries.

4 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.

5 To use this function, a compatible microSD card (sold separately) must be inserted into the camera.

6 When the AOV mode is enabled, according to EZVIZ Lab's test results under standard conditions, the camera is able to detect movements at a distance of up to 25 meters during the day, and up to 12 meters during the nighttime. Other tested battery models that use PIR-based detection usually have a detection distance of up to 9 meters. The actual detection range may differ due to environmental factors.

7 Data from EZVIZ Lab's test results, under the following standard condition: AM=1.5 , 25°C, 1000W/m², 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.

8 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-HB8-R200-1M8WFL

Camera

Image Sensor	1/2.8" 8-Megapixel Progressive Scan CMOS Sensor
Minimum Illumination	0.01 Lux @(F1.2, AGC ON), 0 Lux with IR
Shutter Speed	Self-adaptive shutter
Lens	4mm@ F1.2 Diagonal angle: 104° Horizontal angle: 83° Vertical angle:44°
PT Angle	Pan: 340°, Tilt: 75°
Day & Night	IR-cut filter with auto switch
DNR	3D DNR
Night Vision	15 m

Video & Audio

Max Resolution	4K (3840 × 2160)
Frame Rate	Max. 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

Network

Wi-Fi Standard	IEEE802.11b, 802.11g, 802.11n, 802.11ax
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	Supports 20 MHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
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

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-HB8-R200-1M8WFL

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 (Adapter needs to be purchased separately)
Battery Capacity	10,400 mAh
Power Consumption	Max.10 W
Product Dimensions	184 × 102 × 168 mm (7.24 × 4.02 × 6.61 inch)
Packaging Dimensions	205 × 145 × 194 mm (8.07 × 5.70 × 7.64 inch)
Product Weight	780 g (21.51 oz)
Weight with Package	1312 g (46.61 oz)

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 meter
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

- HB8 Pro Camera
- Solar Panel 5W
- Drilling Template
- Adjustable Mounting Bracket
- Type-C Cable
- Screw Kit × 2
- Quick Installation Guide
- Regulatory Information × 4
- Quick Start Guide × 2

Certifications

CE / REACH / WEEE / RoHS

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