



HB8 Lite + Solar Panel 5W

Smart Home Battery Camera Kit

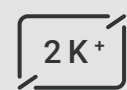
A simple yet reliable system that's always ready

The HB8 Lite Kit is a robust and easy-to-use security system that effortlessly eliminates the burdens of battery management and installation constraints. The kit provides all-day recording with wiser battery use thanks to the included 5W solar panel and the cutting-edge AOV technology. Furthermore, you can trust the kit's smart features to identify, track, and record day and night based on its built-in AI algorithm.



Key Features

HB8 Lite



2K+ Resolution



Always-On
Video Mode 2.0



360° Panoramic
View



AI-Powered
Human / Vehicle
Shape Detection



Works with
EZVIZ Solar Panels
(Type-C versions)
for Green Power



Smart Tracking¹



Color
Night Vision



Balanced Image
Exposure
with Smart Lights



5,200 mAh
Rechargeable
Lithium Battery



Supports Wi-Fi 6
Network (2.4 GHz)



Two-Way Talk



Active Defense
with Siren
& Strobe Light



Weatherproof
Design



Smart Integration
with Google Assistant
& Amazon Alexa²



Supports MicroSD
Card (Up to 512 GB)
& EZVIZ CloudPlay
Storage³

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

Time for battery-powered all-day recording

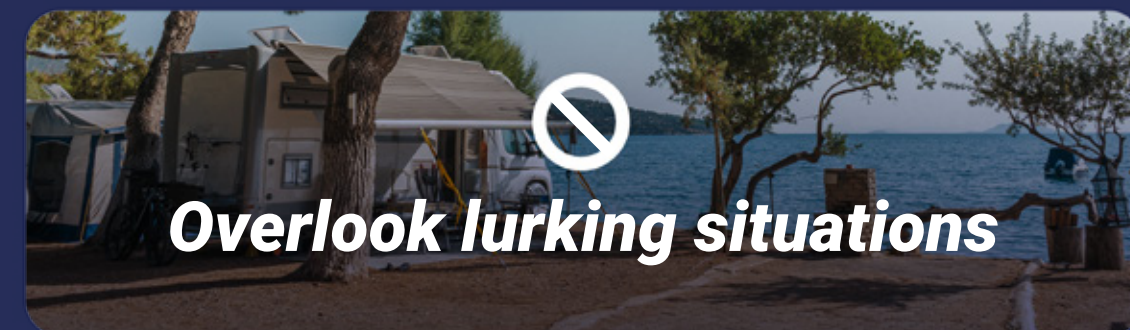
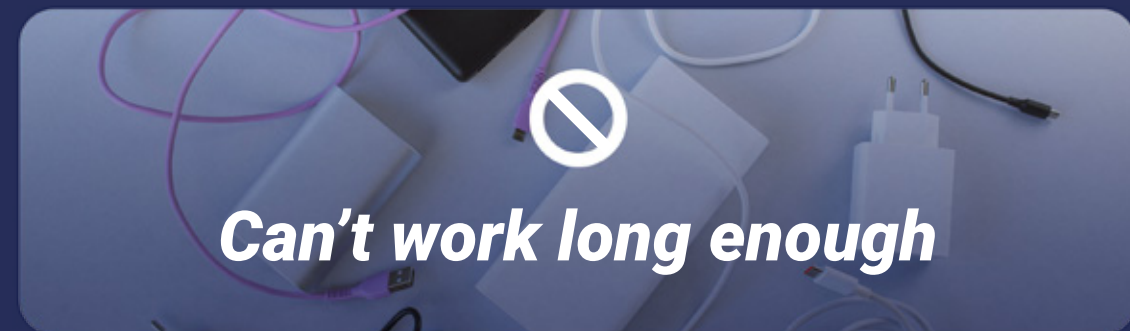
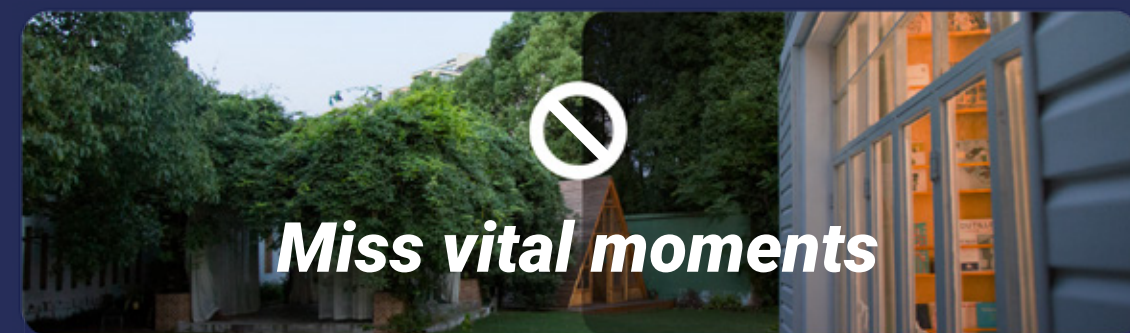
Unlike most battery cameras on the market, which have trouble detecting and recording videos due to short battery life and non-smart sensors, the camera is equipped with EZVIZ's groundbreaking AOV technology to enable all-day recording while ensuring a long standby time with a much greater detection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

[About the EZVIZ AOV Technology >](#)



VS

Most battery cameras in the market



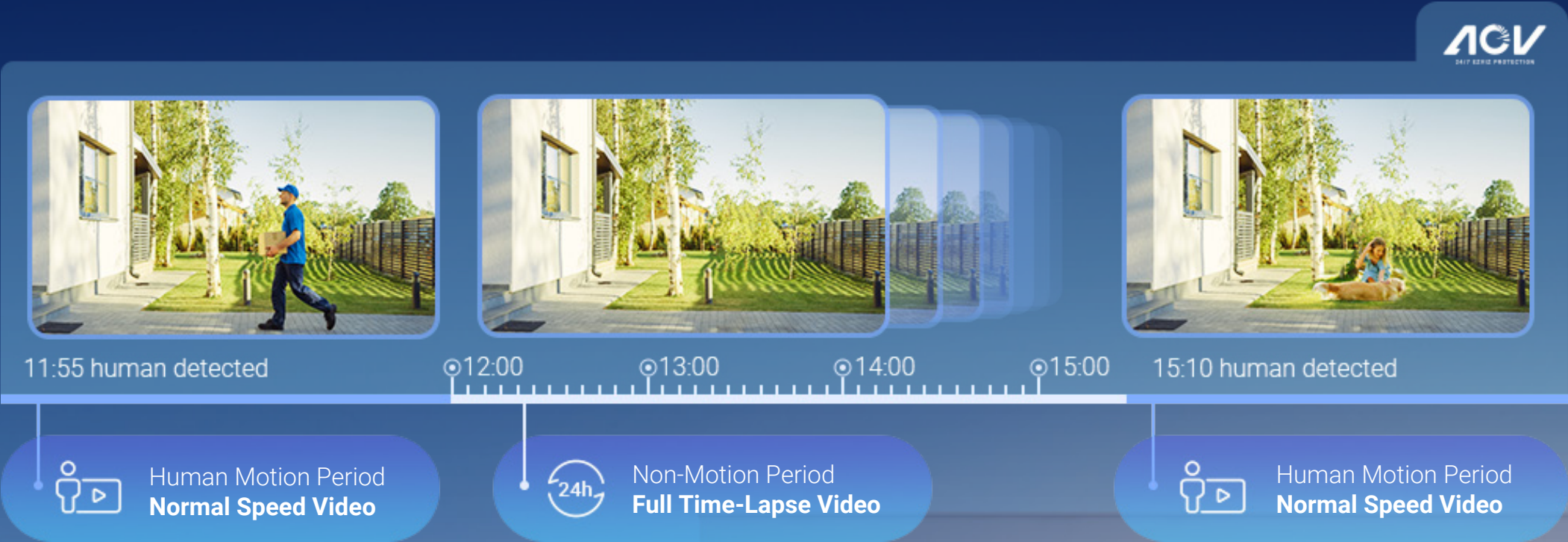
01 Always records, scenes or events

When on the AOV mode, the HB8 Lite can capture images at preset time intervals and process them to create a smooth time-lapse video⁴ 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.



5W
High Charging
Efficiency

 **2 hours** ≈  **24 hours**

5,200 mAh
Large Battery Capacity

Non-stop solar power, set-and-forget⁶

The HB8 Lite 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.



360-degree vision that is crisp and clear

Forget about installing multiple cameras to secure different directions – a single HB8 Lite can pan and tilt smoothly to capture an unrestricted 360-degree view. Its sharp 2K+ resolution lets you see fine details at different angles that matter to you.



Smarter vision, better detection

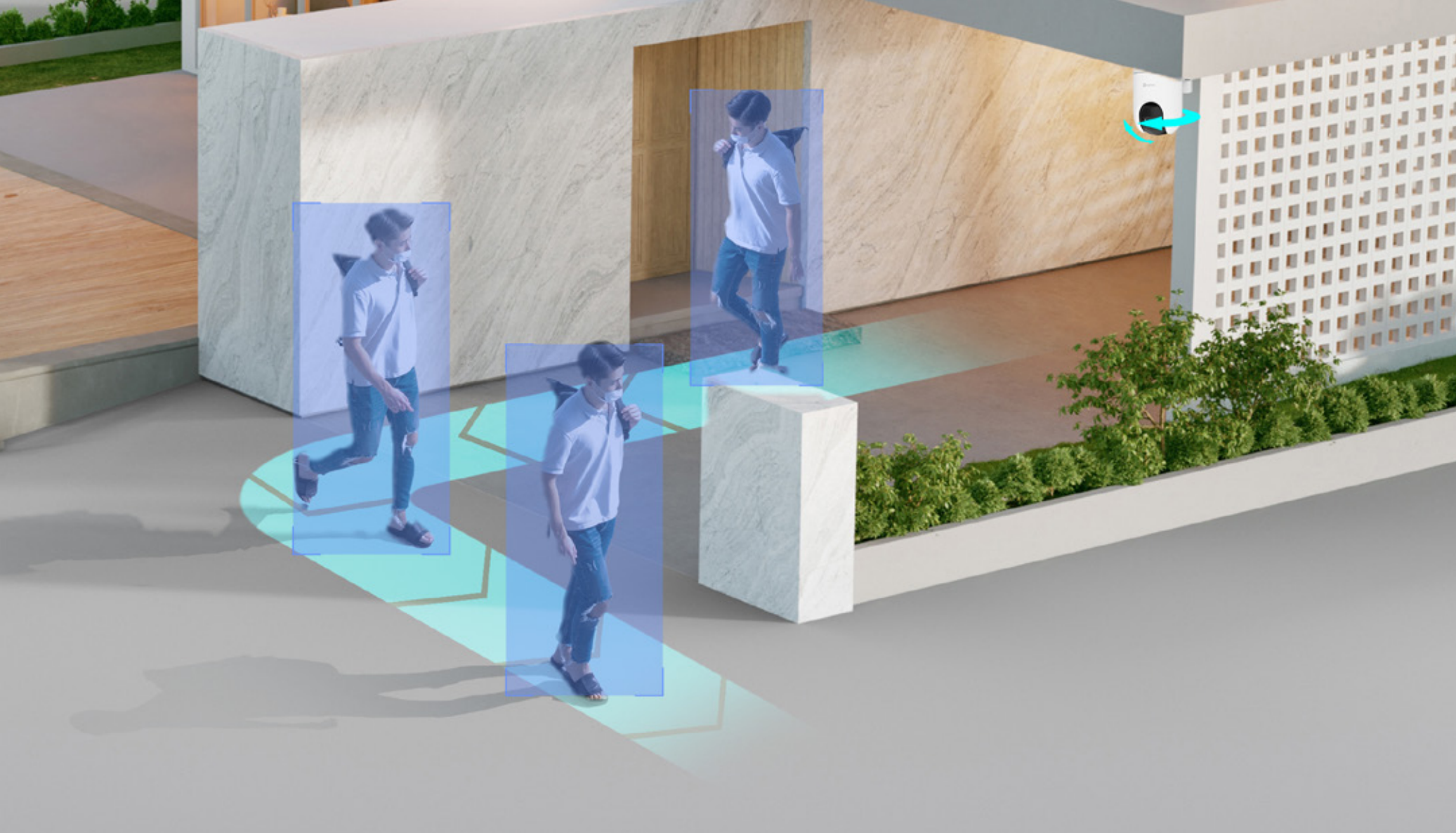
The HB8 Lite is smart enough to distinguish moving people and vehicles from other objects. You no longer need to constantly watch your camera or go through long video files to find a crucial moment – set up the detection preferences and let the camera inform you when it's important.

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 Lite 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 Lite is activated to lock on the person, rotating to follow the entire movement.

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 Lite delivers vivid and crisp visuals even in the dimmest environments. You can choose between two night vision modes as you'd like.



2 Spotlights | Full-Color Night Vision



2 IR Lights | Black & White Night Vision

Smart adaptation for even and clear images

Wherever you install the HB8 Lite 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.

For open area



With adaptative smart light



Without adaptative smart light

For edges & corners



With adaptative smart light



Without adaptative smart light

| Black & White Night Vision

Faster connections, boosted coverage

Being Wi-Fi 6-enabled means that the HB8 Lite 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.



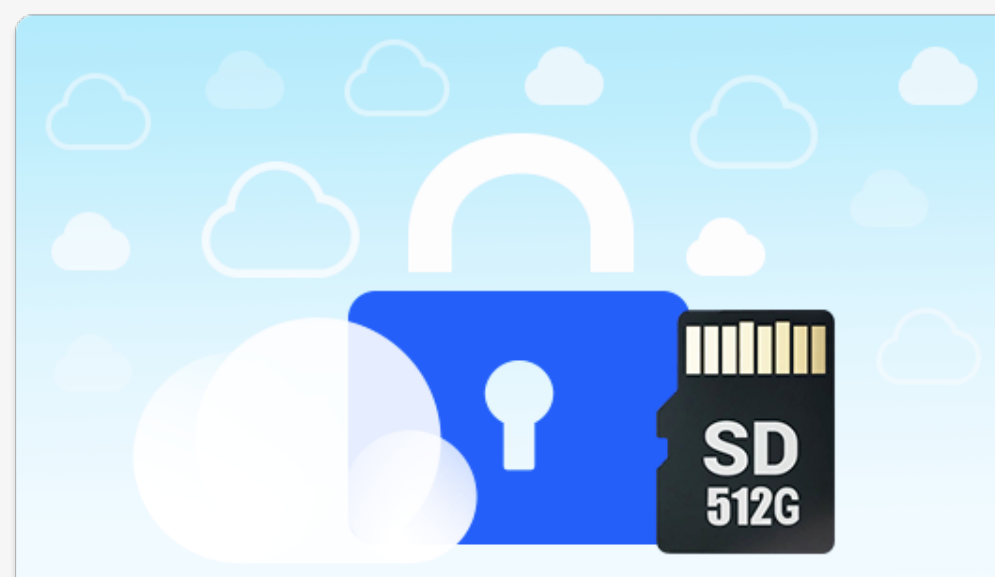
Use active defense to defer

Upon detection of intruders, the camera will set off a loud siren and flash two dazzling spotlights⁷ to let the uninvited strangers know they have been detected.



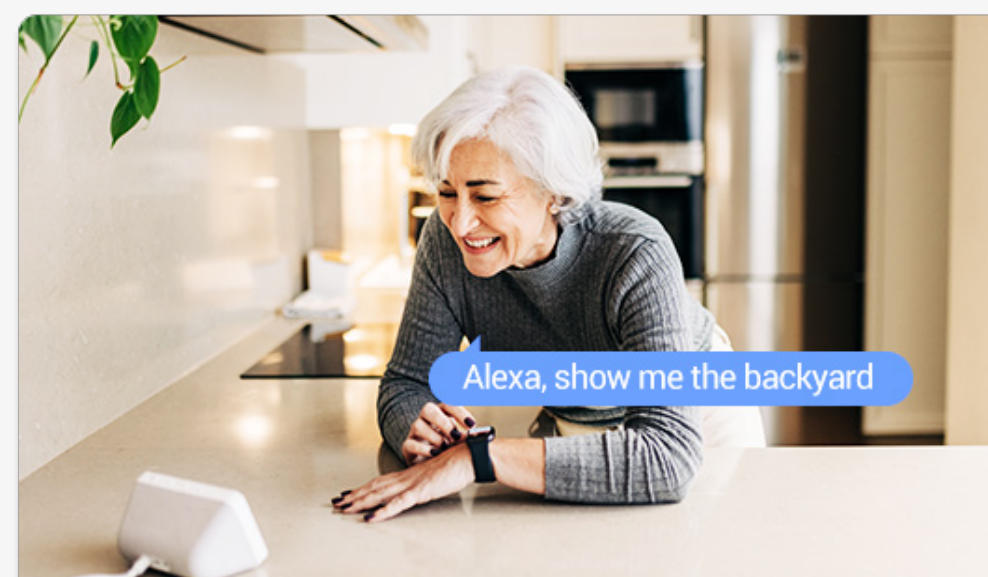
Deliver protection, rain or shine

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



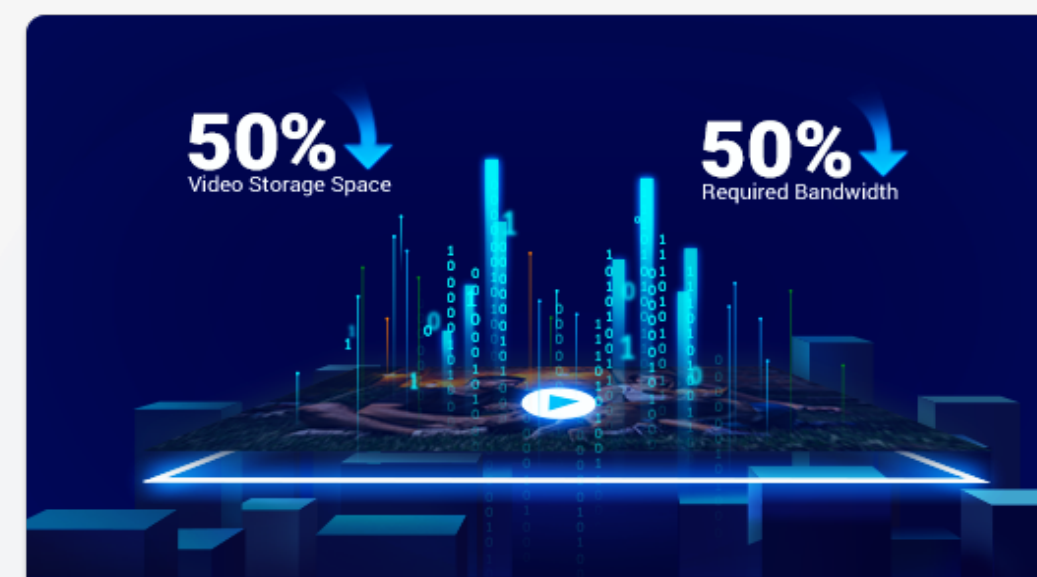
Save your videos with two options

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



Control with your voice, hands-free

The camera supports easy integration to your existing voice assistants. You can pull up the video feed by simply saying "Alexa" or "Hey Google".²



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.264.⁸

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.



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 The HB8 Lite camera only supports auto smart tracking on detected humans based on its AI-powered human shape algorithm.
- 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 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.
- 6 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.
- 7 The spotlights will not flash when color night vision mode is enabled.
- 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.

Camera

Image Sensor	1/3" 4-Megapixel Progressive Scan CMOS Sensor
Minimum Illumination	0.01 Lux @(F1.6, AGC ON), 0 Lux with IR
Shutter Speed	Self-adaptive shutter
Lens	4mm@ F1.6 Diagonal angle: 90° Horizontal angle: 75° Vertical angle:40°
PT Angle	Pan: 340°, Tilt: 80°
Day & Night	IR-cut filter with auto switch
DNR	3D DNR
Night Vision	15 m

Video & Audio

Max Resolution	2K+ (2560 × 1440)
Frame Rate	Max. 15fps; Self-adaptive during network transmission
Video Compression	H.265 / H.264
Video Bit Rate	Ultra-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, 802.11 ax
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	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

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	5,200 mAh
Power Consumption	Max.10 W
Product Dimensions	168 × 100 × 137.2 mm (6.61 × 3.94 × 5.40 inch)
Packaging Dimensions	205 × 145 × 194 mm (8.07 × 5.70 × 7.64 inch)
Product Weight	613 g (21.62 oz)
Weight with Package	915 g (32.28 oz)

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 Lite Camera
- Solar Panel 5W
- Drilling Template
- Adjustable Mounting Bracket
- Screw Kit × 2
- Power Cable
- Regulatory Information × 3
- Quick Start Guide × 2

Certifications

CE / REACH / WEEE / RoHS

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