EZVIZ™

HB8 Lite 4G + Solar Panel 5W

4K ULTRA HD

4G

4G & Wi-Fi Battery Camera Kit

AI MODIFIED

Always Online, Always Protected

Ultra-Clear
4K Resolution



360° Panoramic Coverage



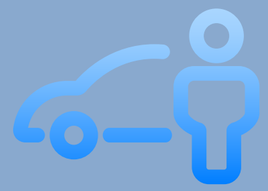
Auto-Switching 4G & Wi-Fi Connectivity



Always-On Video Mode[1]
With EZVIZ Solar Panel



AI-Powered
Human / Vehicle Shape Detection



Auto-Zoom Tracking

Step 1
Detects



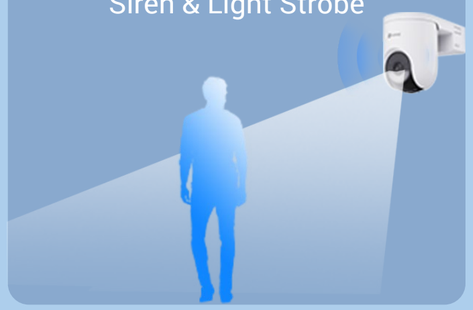
Step 2
Auto-Zooms



Step 3
Follows



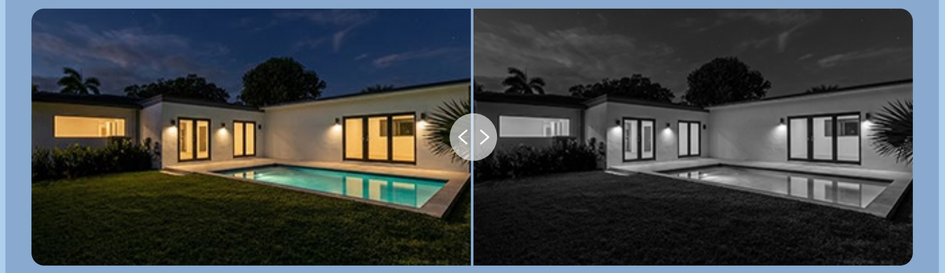
Active Defense with
Siren & Light Strobe



Weatherproof Design



Smart Color Night Vision



Local & Cloud Storage[2]



Auto-Switching 4G & Wi-Fi Connectivity

Stay Connected, Anywhere You Set Up

01 Keeps it online with Wi-Fi or 4G

When Wi-Fi drops, the camera keeps going. It automatically switches to 4G to keep you connected, then returns to Wi-Fi once the signal is back — helping you stay protected without lifting a finger or wasting mobile data.





Please note that 4G connectivity requires a Nano SIM card and an active cellular data plan.

02 Set it up anywhere with Wi-Fi or 4G

Set it up where ordinary cameras may struggle — beside a quiet cabin, inside a busy warehouse, at a weekend exhibition, or around an active construction site. With 4G ready to step in, security can follow you far beyond the reach of everyday Wi-Fi.



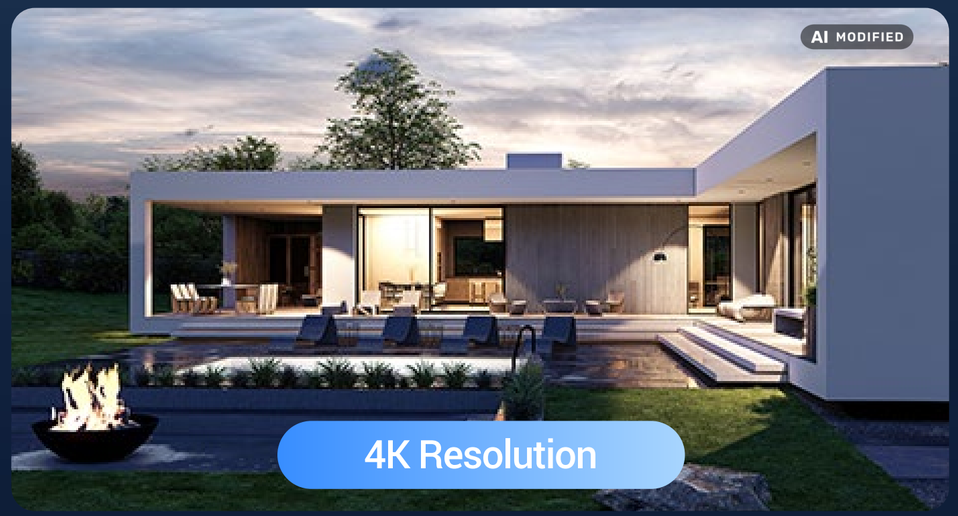
Ultra-Clear 4K Resolution

Every Corner Sharp in Stunning 4K

The HB8 Lite captures your outdoors in breathtaking, theater-quality 4K resolution, so every corner stays sharp and vivid, nothing lost to blur, nothing left to guess.

Ultra HD 4K





360° Panoramic Coverage

Covers Every Corner in 360° Panorama

With its smooth pan-tilt design, the camera delivers full 360° coverage,
sweeping across your entire space in one complete view with fewer blind spots.



350°
Horizontal Rotation

80°
Vertical Rotation

Always-On Video Mode

Upgrades Your Battery-Powered All-Day Recording

Unlike typical battery cameras that struggle to compromise either recording performance or battery life, this camera features EZVIZ's groundbreaking AOV technology.

How EZVIZ AOV works?

15 images/second
Normal Speed

Smart Auto
Time-Lapse Video

15 images/second
Normal Speed

WITH AOV



WITHOUT AOV



Why EZVIZ AOV helps?

Wider Longer Detection Range

To see and respond to any activity earlier



Up to 25 meters[3]

Only 9 meters

Wiser Power Consumption

To adjust recording intervals automatically based on battery power conditions



AI-Powered Human Shape & Vehicle Detection

Stays Informed with Smart Alerts for Free

The camera cuts through hours of footages by telling the difference between people, vehicles, and everyday motion.
Instead of babysitting the live view, your camera will flag the crucial times and notify you on the EZVIZ App.

Customizable Detection Zones

Accurate Detection Alerts



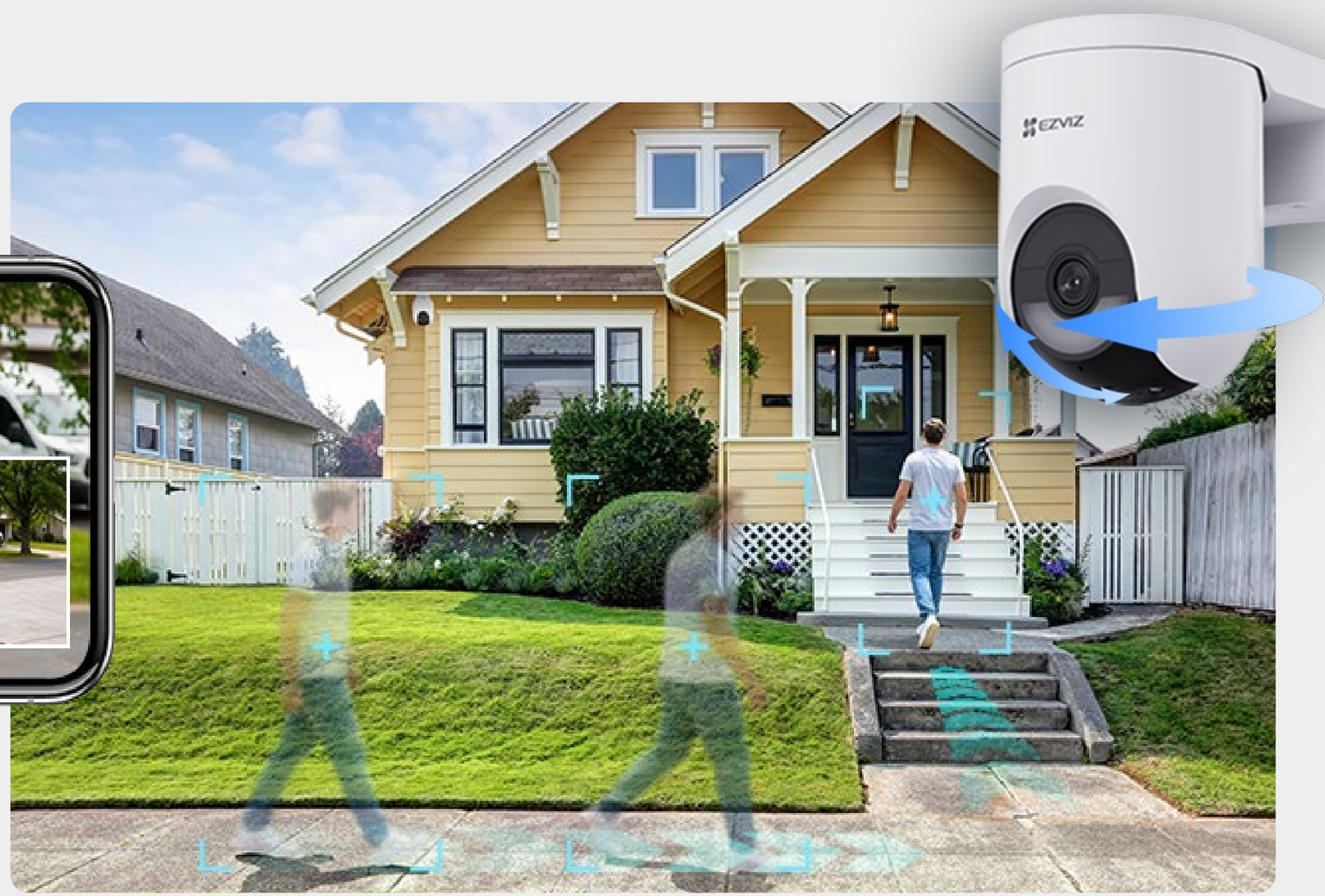


Auto-Zoom Tracking

Keeps What Matters in Sharp Focus with Auto Zoom

With auto-zoom tracking, the camera doesn't make important moments slip out of frame. When the camera detects human movement, it automatically pans to stay locked on the action and zooms in for a closer look.





Smart Color Night Vision

Lights Up Your Night with Bright Colors

Say goodbye to blurry, washed-out night footage. Powered by built-in spotlights,
the HB8 Lite brings the night to life with vivid, full-color clarity, even in near-total darkness.



2 Spotlights | Full-Color Night Vision



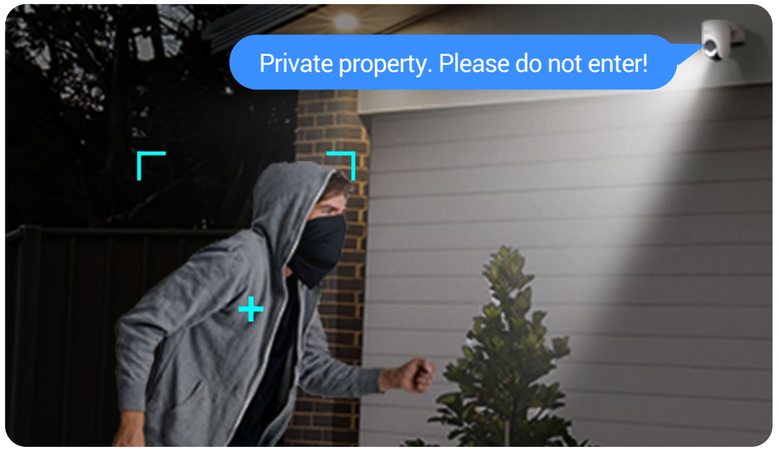
2 IR Lights | Black & White Night Vision

Brings More Convenience for Extra Peace of Mind



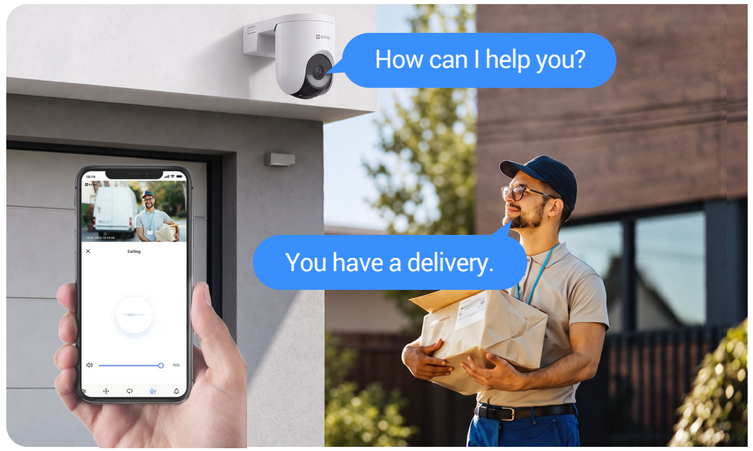
Weatherproof Design

Delivers Protection Whenever Rain or Shine



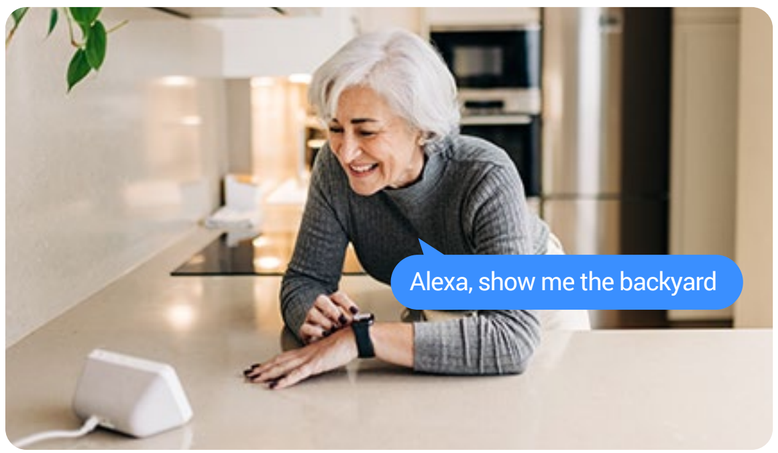
Active Defense

Deters Potential Risks with Sound & Light Strobe



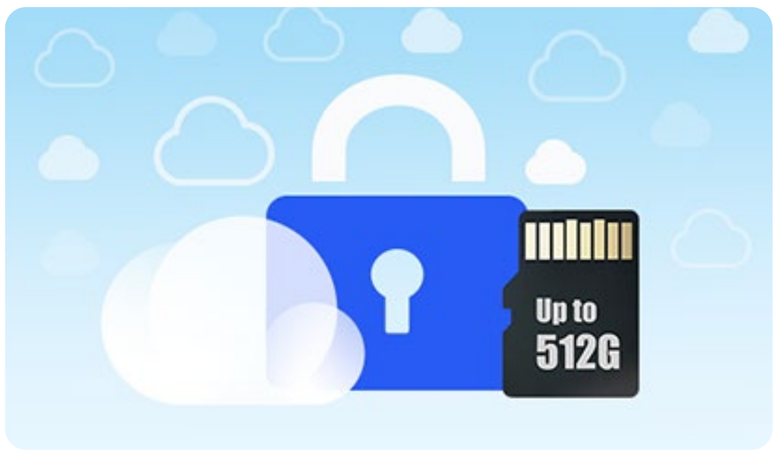
Two-Way Talk

Responds to Visitors with Your Phone



Amazon Alexa and Google Assistant

Enables Hands-Free Voice Control[5]



Local & Cloud Storage

Saves Your Videos with Two Options



H.265 Video Compression

Enjoys Video Experiences with H.265[6]

1 Use of this feature requires that a compatible local storage card (sold separately) be inserted into the camera.

2 A compatible local storage card must be purchased separately. Cloud storage services are available only in selected markets; availability should be verified prior to purchase.

3 When AOV mode is enabled, EZVIZ Lab testing conducted under standard conditions indicates that the camera can detect motion at distances of up to 25 m in daylight and up to 12 m at night. Under the same test conditions, other battery-powered models using PIR-based detection typically provide a detection distance of up to 9 m. Actual detection performance may vary due to environmental conditions and installation factors.

4 Data from EZVIZ Lab's test results, under the following standard condition: AM=1.5, 25°C, 1000W/m² and SMQ. The results are obtained based with the camera operating in AOV mode and the AOV interval set to AUTO. Actual charging efficiency may vary depending on sunlight intensity and other environmental conditions. Actual camera operating hours may also differ based on usage patterns, activity frequency, and environmental factors.

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

6 Based on EZVIZ Lab testing conducted under standard conditions. Video compression efficiency may vary depending on scene complexity, motion frequency, lighting conditions, and other environmental factors.

Specifications CS-HB8c/SP-R200(4K W4G)

Camera

Image Sensor	1/2.45" 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	4 mm @ F1.6 Diagonal angle: 96° Horizontal angle: 79° Vertical angle: 42°
PT Angle	Pan: 350°, Tilt: 80°
Day & Night	IR-cut filter with auto switch
DNR	3D DNR
Night Vision	15 m

Video & Audio

Max Resolution	8MP, 3840*2160
Frame Rate	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	Wi-Fi: 4 Mbps / 4G: 2 Mbps

Network

Wi-Fi Standard	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	Supports 20MHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
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
Frequency Bands	EU LTE-FDD：B1/B3/B5/B7/B8/B20/B28 EU LTE-TDD：B38/B40/B41 LA LTE-FDD：B2/B3/B4/B5/B7/B8/B28/B66 LA LTE-TDD：B38/B40/B41

Function

Smart Alarm	AI Human Detection, AI Vehicle Detection
Two-way Talk	Supports
General Function	Anti-Flicker, Heart Beat, Password Protection, Watermark

Storage

Local Storage	MicroSD card (Max. 512 GB)
Cloud Storage	EZVIZ Cloud Storage

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%
Operation Temperature	-20°C ~ 60°C (-4°F ~ 140°F) Humidity 90% or less (non-condensing)
IP Grade	IP65
Solar Cell Type	Monocrystalline solar cells
Power Cable Length	3 meters

General

Dimensions	Camera: 168 × 100 × 137.2 mm Solar panel: 210 × 154 × 33 mm
Packaging Dimensions	255 × 176 × 194 mm
Net Weight	Camera: 660 g Solar panel: 284 g
Weight with Package	1440 g

In the box

- HB8 Lite 4G Camera
- Solar Panel 5W
- Drilling Template
- Adjustable Mounting Bracket
- Screw Kit
- Power Cable
- Regulatory Information x 3
- Quick Start Guide

Certifications

CE / REACH / WEEE / RoHS

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