EZVIZ™

HB30 Dual Kit
Smart Wi-Fi Battery Camera

See the Whole Scene, Wherever It Matters

A wire-free battery camera designed to see more, install faster, and protect everyday spaces with intelligent features.



Everything important, laid out one feature at a time.

Each detail is built around everyday use: a clearer view, fewer setup limits, smarter alerts, and a camera that keeps working with less effort.

180° Blindspot-Free View

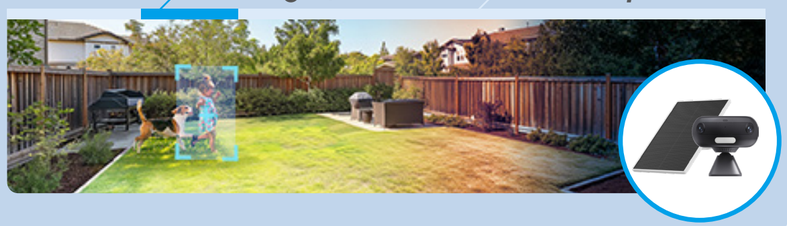


Dual 3K Lenses



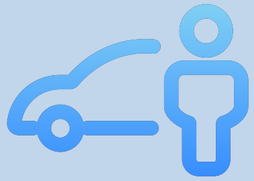
Always-On Video Mode[1]

With EZVIZ Solar Panel



AI-Powered

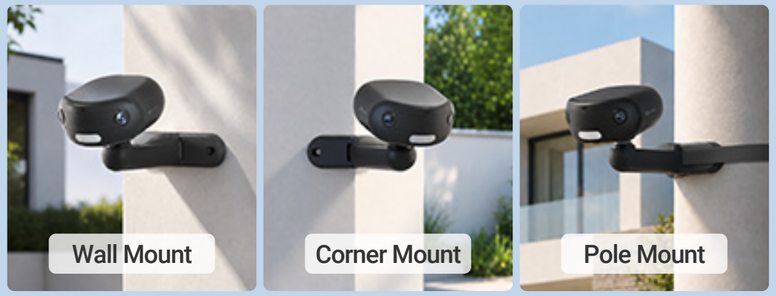
Human / Vehicle Shape Detection



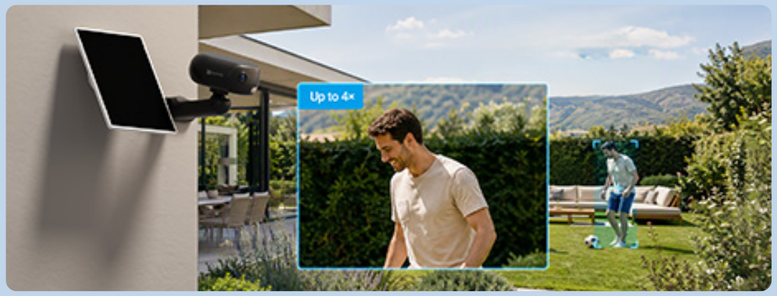
Smart Color Night Vision



Flexible Installation



4x Digital Zoom with Close-Up Views



Weatherproof Design



180° Blindspot-Free View

Sees the Full Stretch with No Blind Spots

With a 180° blindspot-free view, the HB30 Dual enables you monitor wide open spaces from edge to edge — so kids, pets, visitors, and vehicles stay within sight in one clear image.

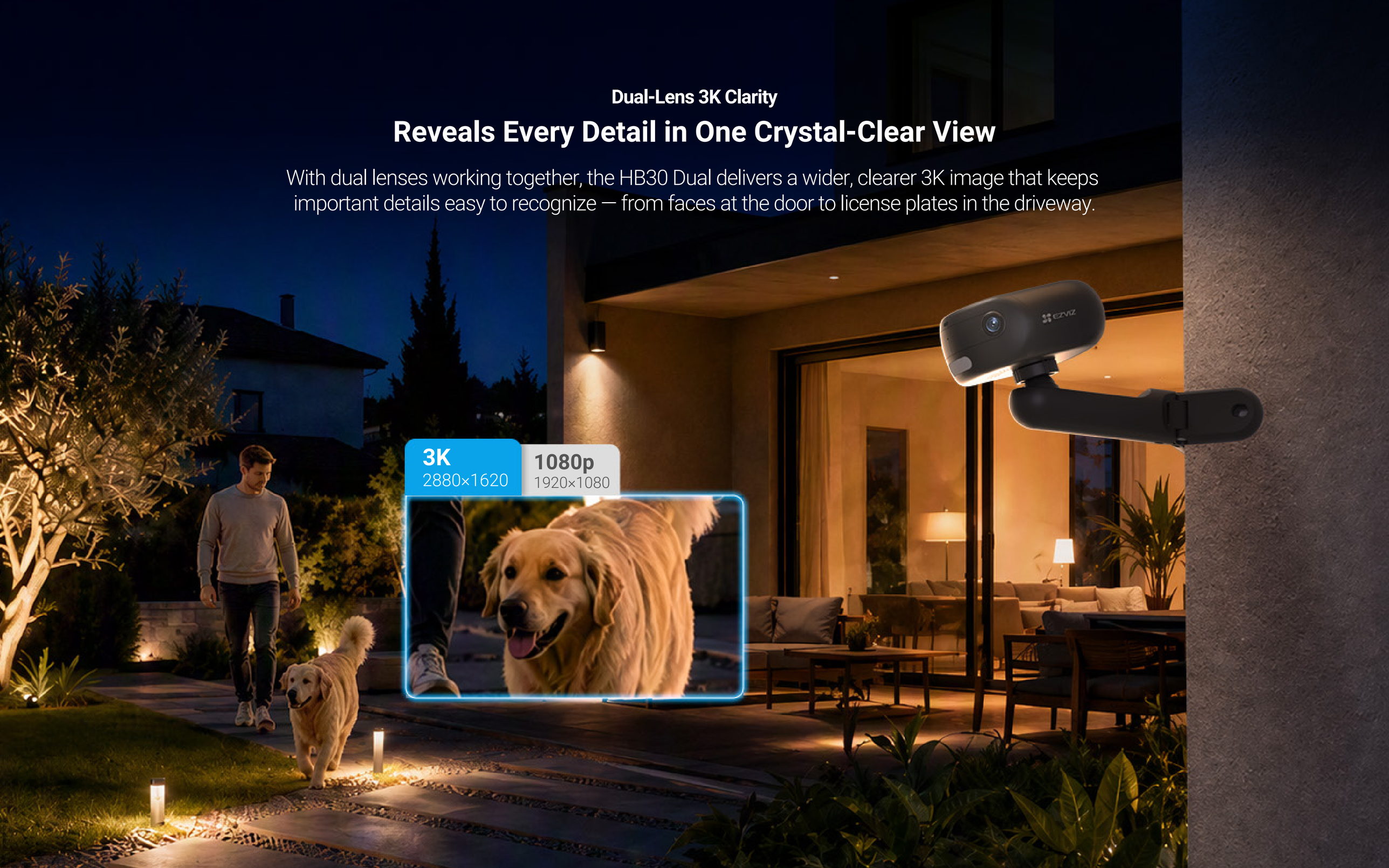
Dual-Image Stitching[2]



Dual-Lens 3K Clarity

Reveals Every Detail in One Crystal-Clear View

With dual lenses working together, the HB30 Dual delivers a wider, clearer 3K image that keeps important details easy to recognize — from faces at the door to license plates in the driveway.



Wide-Angle & Close-Up Views with 4x Zoom

Captures the Full Scene While Zooming into Key Details

With panoramic viewing and up to 4x digital zoom, the camera keeps the full scene visible while bringing key details closer. It can auto-zoom on detected people or let users tap any area for an instant close-up.



Easy Installation with Suitable Accessory

Places it Anywhere for the Best View

From countertops to metal surfaces to outdoor entryways, the HB30 Dual fits naturally into different spaces with its battery-powered, wire-free design, Built-in ¼ mounting bracket and weather-ready build.

Wall Mount



Corner Mount



Pole Mount



Desktop Mount



Built-in 1/4” Thread Mount for Wide Compatibility



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.

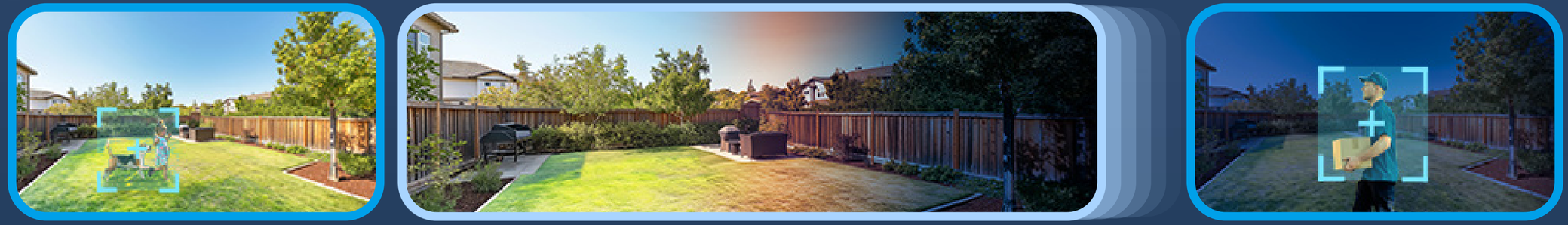
How EZVIZ AOV works?

15 images/second
Normal Speed

Smart Auto
Time-Lapse Video

15 images/second
Normal Speed

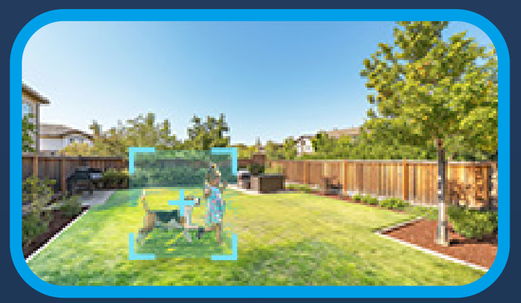
WITH AOV



Human Detected

Human Detected

WITHOUT AOV



No Event = No Recording



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

Battery Camera
+ Solar Panel

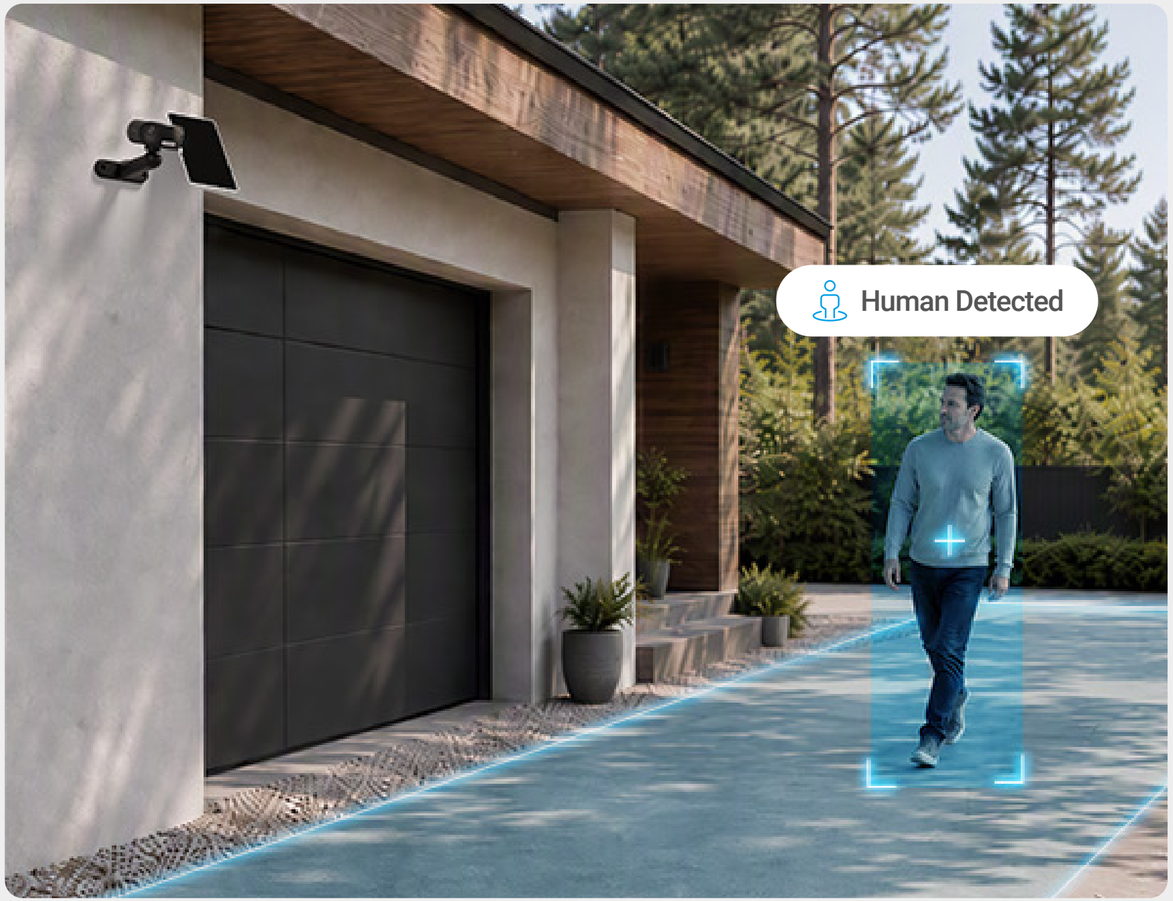
All-Year Nonstop Protection[4]



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.





Smart Color Night Vision

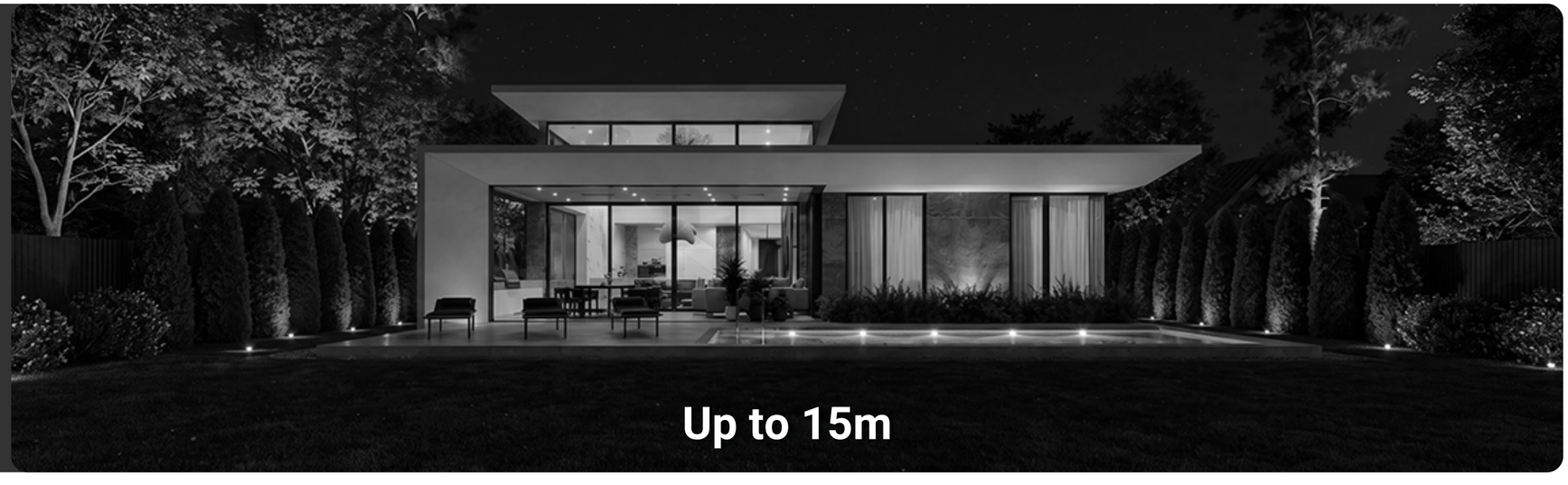
Lights up Your Night with Bright Colors

Say goodbye to blurry, washed-out night footage. Powered by built-in spotlights,
the HB30 Dual brings the night to life with vivid, full-color clarity, even in near-total darkness.

3 Spotlights
Full-Color Night Vision



3 IR Lights
Black & White Night Vision



Brings More Convenience for Extra Peace of Mind



Weatherproof Design

Delivers protection rain or shine



Active Defense

Deters risks with warning sound & light



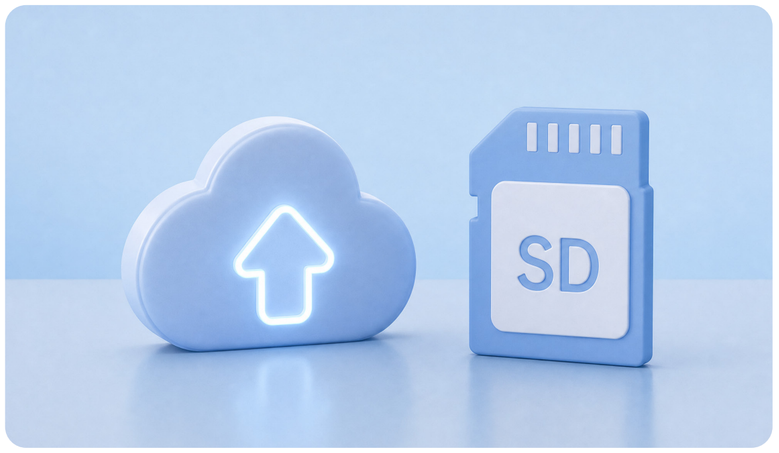
Two-Way Talk

Controls your camera remotely



2.4 GHz Wi-Fi Network

Enables smooth video streaming



Local & Cloud Storage

Saves your videos with two options



H.265 Video Compression

Saves storage space & bandwidth[5]

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

2 The dual-image fusion effect, designed to eliminate visible stitching, will be available through an OTA update in late October. The current version of the 180° blind-spot-free view may still show a dark line on the screen. The Dual Image Stitching feature requires high performance hardware. Currently, it supports iPhone 12 and subsequent models, along with Android devices powered by Snapdragon 8 Gen1 and higher grade chips. Performance optimizations are in progress for both iOS and Android platforms.

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 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-HB30-R100-1Q55W

Camera

Image Sensor	1/3” 5-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, Horizontal angle: 180°, Vertical angle: 56°
Day & Night	IR-cut filter with auto switch
DNR	3D DNR
Night Vision	IR Distance: 15 m, Color Night Vision Distance: 10 m

Video & Audio

Max Resolution	2880 × 1620
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	5 Mbps(Total)

Network

Bluetooth	Supports
Wi-Fi Standard	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	Supports 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	10 Mbps

Function

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

Storage

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

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	5200 mAh
Power Consumption	Max.10W

Specifications CS-PSP3-R100-3M

Performance Parameter

Power Voltage	5.7 V
Power Current	555 mA ± 5%
Open Circuit Voltage	6.4 V ± 5%
Short Circuit Current	604 mA ± 5%
Max. Power	3 W
Interface	Type-C
Solar Cell Efficiency	≥ 22%
Operation Temperature	-20°C ~60°C(-4°F~140°F) Humidity 90% or less (non-condensing)
IP Grade	IP65

Mechanical Data

Solar Cell Type	Monocrystalline solar cells
Power Cable Length	3 meters
Product Dimensions	Camera: 89mm × 82mm × 42mm Solar Panel: 144.5 × 117 × 14.5 mm
Packaging Dimensions	169 × 121 × 198 mm
Weight	Camera Net Weight：234 g Weight with Package: 1023 g

In the box

- Camera (×1)
- Solar Panel 3W (×1)
- Mounting Bracket (×1)
- Screw Base (×1)
- Pin (×1)
- Power Cable (×1)
- Pressure-Assist Patch (×2)
- Screw Kit (×1)
- Foam Sticker (×2)
- Metal Plate (×1)

Certifications

CE / REACH / WEEE / RoHS

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