EZVIZ

H80x Dual 4K

Pan & Tilt Wi-Fi Camera

Colorful. Powerful. Watchful.

Meet the state-of-the-art outdoor camera that smartly mixes the power of two lenses to truly understand the lights and shadows of an environment and capture crucial moments. Featuring EZVIZ's self-developed ColorFULL technology and ultra-clear 4K resolution, the H80x Dual doesn't need to turn on any spotlight before restoring lifelike details in a dark space. A flexible pan and tilt camera by design, it tracks activities, patrols key areas and triggers on-the-spot warnings all automatically to amp up a peaceful mind.

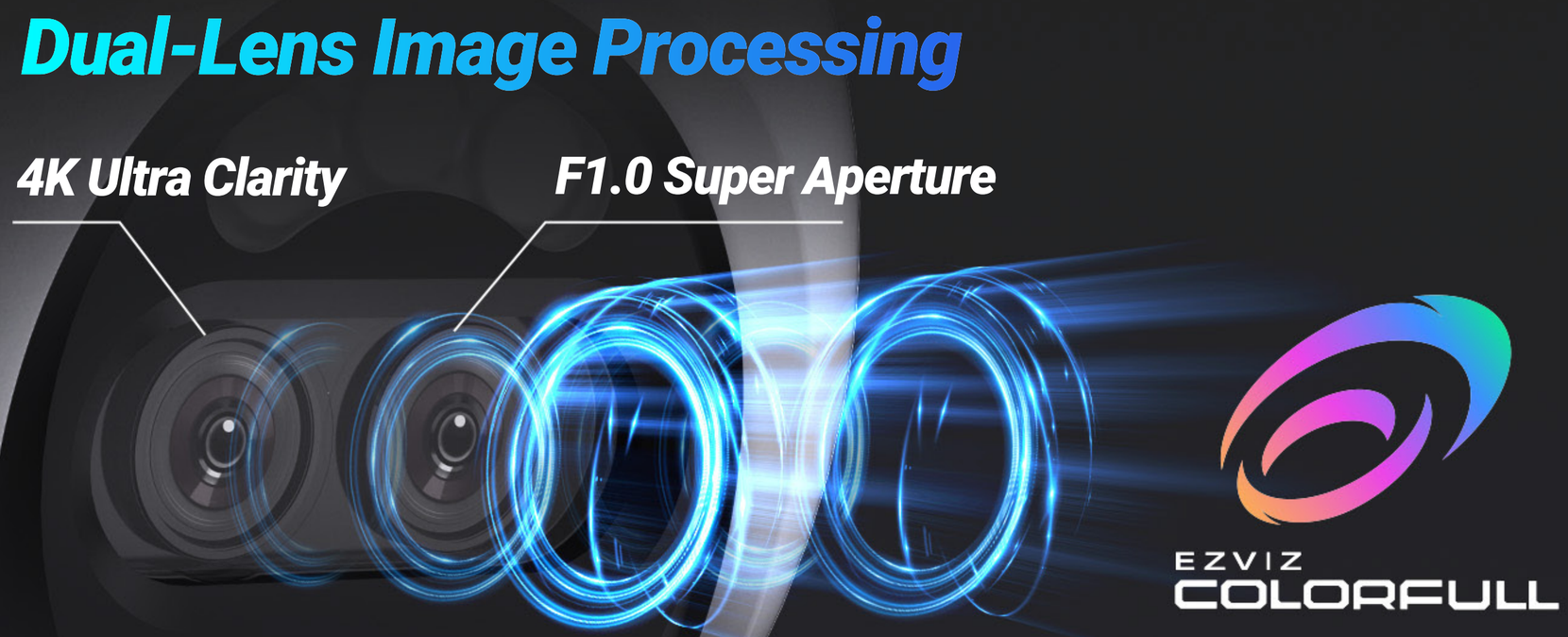
- 4K Resolution[1]
- Intelligent Dual Lenses
- ColorFULL Night Vision under Ultra-Low Light
- F1.0 Large Aperture
- 360° Panoramic View
- AI-Powered Human / Vehicle Shape Detection
- Auto-Zoom Tracking
- Two Patrol Modes for Auto-Security
- One-Click Return to Pre-Set Directions
- Active Defense with Siren & Strobe Light
- Two-Way Talk
- Weatherproof Design
- H.265 Video Compression
- Smart Integration with Google Assistant & Amazon Alexa[2]
- Supports MicroSD Card (Up to 512 GB) & EZVIZ CloudPlay Storage[3]

Panoramic view with next-level 4K vision

The H80x Dual is determined to upgrade the level of protection of your outdoor space. With its lifelike 4K resolution, it ensures that even the smallest detail is captured — you can easily see the face of your happy dog even at a distance. Complementing its pan-and-tilt function, the camera offers 360-degree all-round protection for long-lasting peace of mind.

ColorFULL Night Vision: Always stay true to colors

Full-color vision is now made through the night, with EZVIZ's innovative ColorFULL technology. Even when all the lights go out, every colorful detail can still get captured and presented in a natural way.



AI-ISP Technology

-70%
motion blur for even fast-moving objects

+300%
image signal-to-noise ratio for true colors & details

ColorFULL means colorful details, fully presented

The camera faithfully captures reality in even ultra-low-light conditions – it recreates the colors with the correct light and shadow ratios throughout the entire scene, without uneven brightness or dark corners. It helps you capture finer detail, stay aware of a lurking situation and reduce the nuisance of flashes.

Down to
0.01 Lux

Less Energy Cost with Little Illumination Needed

No Light Pollution Caused by Dazzling Spotlights

Less False Alarms Triggered by Insects Drawn to Light

Clearer License Plates with Less Light Reflected

EZVIZ ColorFULL Night Vision

Color Night Vision with Spotlights

Black-and-White Night Vision

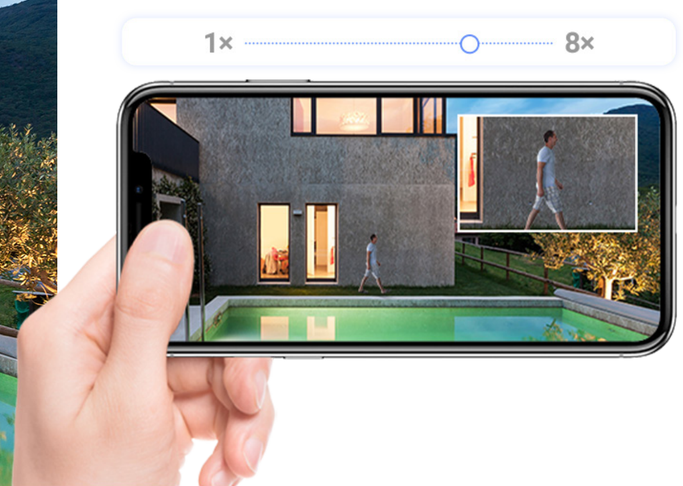
Detect smartly for events that you care

No need to constantly check your door or rush to the backyard when you hear absurd noises. The H80x Dual helps you be aware of every person or vehicle visit. It notifies about people and vehicles in motion, and reduces unnecessary alerts triggered by objects in your surroundings.

AI-Powered Human / Vehicle Shape Detection

Customizable Detection Zone

FREE No Subscription Fee

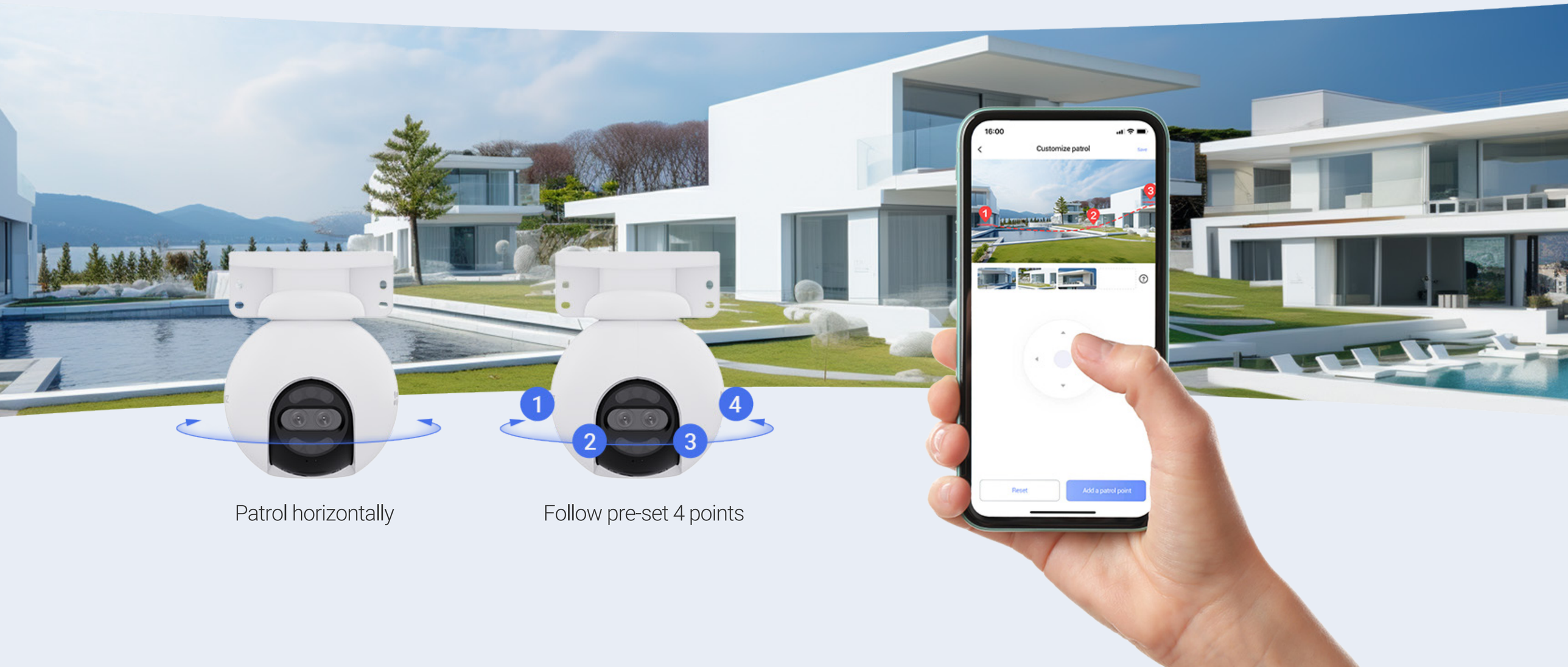


Track and focus with a zoom, all automatically

With its smart tracking ability, the H80x Dual ensures that no event easily disappears from a static camera view. Once identifying human actions, it automatically rotates and zooms in to capture the unfolding activity with a complete video recording.

Patrol automatically for areas that matter

The H80x Dual monitors your property vigilantly with its unique patrol mode. It pans and tilts precisely to your pre-set viewpoints, automating the whole security check routines for greater peace of mind.

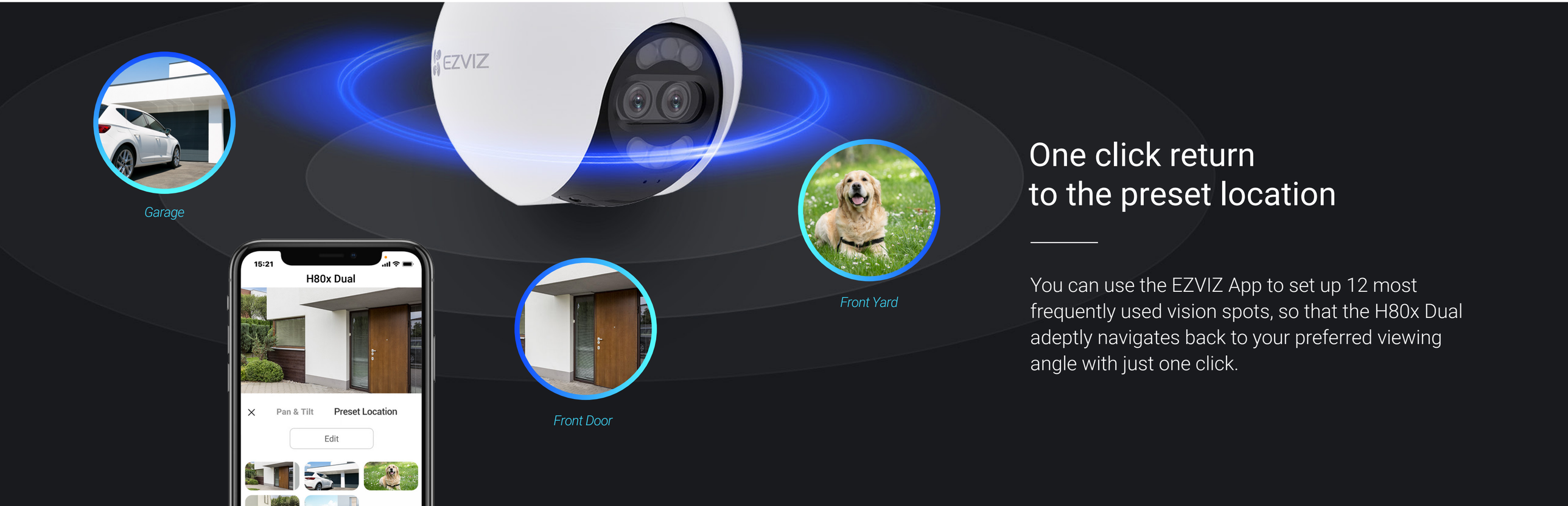


Patrol horizontally

Follow pre-set 4 points

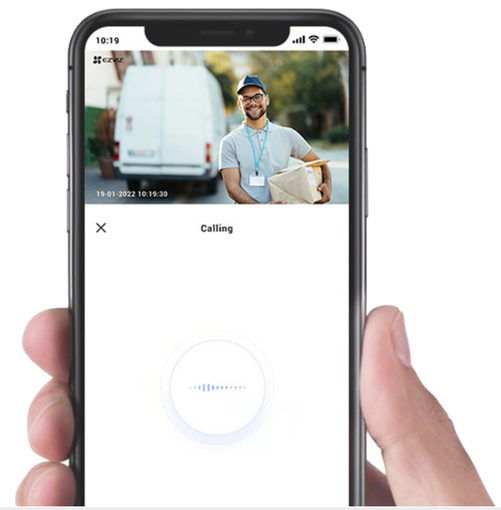
Adjustable sound and light alarm

The camera offers an additional level of security with its active defense function. When it notices intruders, it triggers a powerful siren and flashes at them with two spotlights[4] to warn them on the spot. What's more, users can flexibly adjust the sound and light alarm settings to suit their preferences.



One click return to the preset location

You can use the EZVIZ App to set up 12 most frequently used vision spots, so that the H80x Dual adeptly navigates back to your preferred viewing angle with just one click.



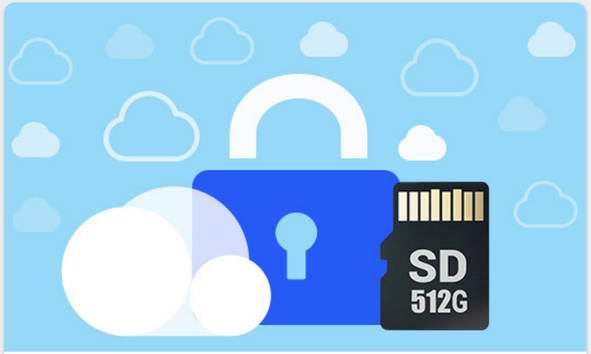
Greeting can be this easy

Enjoy two-way communications by simply using your phone. Or, pre-record specific voice messages that automatically play when people are detected on camera.

More convenience for various needs

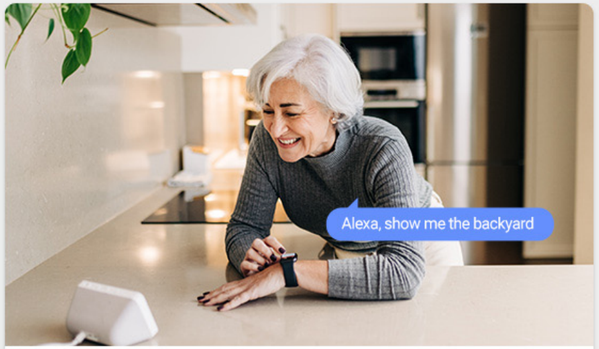
Durable design for outdoor

To better protect your property, the camera is weatherproof to deliver long-standing performance, even in tough weather conditions.



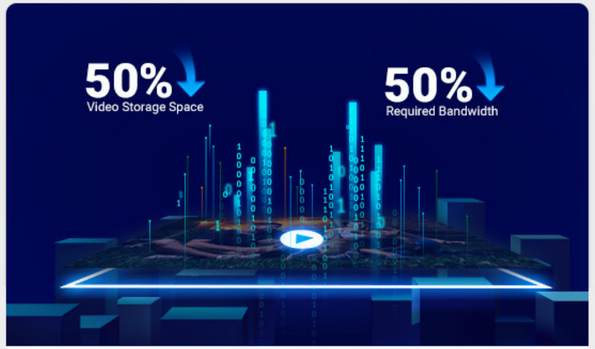
Dual storage options for important moments

The camera automatically saves detection-triggered history videos. You can choose to secure them on a large local storage card, or simply by subscribing to the EZVIZ CloudPlay.[3]



Smart integration for hands-free control

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]



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.[5]

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.

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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 H80x Dual is equipped with two lenses – one in 4K resolution and one in 1080p resolution that work together to provide a unified ultra-clear visual experience and fulfill the ColorFULL night vision under ultra-low light conditions.

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

3 Local storage cards must be purchased separately. Cloud storage service is only available in certain markets. Please verify availability before making a purchase.

4 The spotlight will not flash when color night vision mode is enabled.

5 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-H80x-R100-8G82WKFL

Camera

Image Sensor	1/2.7” + 1/2.9” Progressive Scan CMOS
Shutter Speed	Self-adaptive shutter
Lens	4mm @ F1.0, viewing angle: 46° (Vertical), 87° (Horizontal), 103° (Diagonal) (1080p) 4mm @ F1.6, viewing angle: 46° (Vertical), 87° (Horizontal), 103° (Diagonal) (4K)
PT Angle	Pan: 340°, Tilt: 70°
Minimum Illumination	0.01 Lux @ (F1.0, AGC ON), 0 Lux with IR (*data is obtained from EZVIZ laboratories)
Lens Mount	M12
Day / Night Switch	IR-cut filter with auto switch
DNR	3D DNR
WDR	Digital WDR
BLC	Supports
Night Vision Distance	30m / 98ft

Video & Audio

Max. Resolution	3840 × 2160
Frame Rate	Self-adaptive during network transmission
Video Compression	H.265 / H.264
H.265 Type	Main profile
Video Bit Rate	Ultra HD; Quad HD; Full HD;HD. Adaptive bit rate.
Audio Bit Rate	Self-adaptive

Network

Wi-Fi Standard	IEEE802.11b, 802.11g, 802.11n
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 : 11 Mbps, 11g : 54 Mbps, 11n : 150 Mbps
Wi-Fi Pairing	AP pairing
Protocol	EZVIZ Cloud Proprietary Protocol
Interface Protocol	EZVIZ Cloud Proprietary Protocol
Wired Network	RJ45 × 1(10 m / 100 m adaptive Ethernet port)

Function

Smart Alarm	AI-powered human shape detection AI-powered vehicle shape detection
Customized Alert Area	Supports
Two-Way Talk	Supports
Auto Tracking	Supports
General Function	Anti-Flicker, Dual-Stream, Heart Beat, Password Protection, Watermark

Specifications CS-H80x-R100-8G82WKFL

Storage

Local Storage	Supports microSD card (Up to 512 GB)
Cloud Storage	Supports EZVIZ CloudPlay storage (Subscription required)

General

Operating Conditions	30°C ~ 50°C Humidity 95% or less (non-condensing)
IP Grade	IP65
Power Supply	DC 12V / 1A
Power Consumption	MAX. 12W
Dimensions	170 × 112 × 154 mm (6.69 × 4.41 × 6.06 inch)
Packaging Dimensions	205 × 176 × 194 mm (8.07 × 6.93 × 7.64 inch)
Weight	Product: 630 g (22.22 oz) Weight with package: 1035 g (36.5 oz)

In the box

- H80x Dual 4K Camera
- Drill Template
- Waterproof Kit
- Screw Kit
- Power Adapter
- Regulatory Information × 2
- Quick Start Guide

Certifications

CE / UL / WEEE / RoHS / REACH

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