




# H8x **2K+**


## Pan & Tilt Wi-Fi Camera

### Eliminate dark spaces, protect with confidence


Meet the H8x, another game changer for late-night protection that's equipped with EZVIZ's cutting-edge ColorFULL technology. Mixing the benefits of an F1.0 large aperture and an advanced 1/1.8" CMOS sensor, the camera can film a colorful night in a way that's almost as bright as the day – it captures crystal-clear details even in extremely low light conditions without the need for any extra illumination. It's also an all-rounder in terms of smart features, including human and car detection, auto-zoom tracking, and automatic patrol modes, which come together to ensure that almost nothing happens without its notice.


 2K+ Resolution


 ColorFULL Night Vision under Ultra-Low Light


 1/1.8" CMOS sensor


 F1.0 Large Aperture


 360° Panoramic View

 AI-Powered Human / Vehicle Shape Detection


 Auto-Zoom Tracking

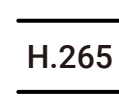
 Two Patrol Modes for Auto-Security


 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<sup>1</sup>

 Supports MicroSD Card (Up to 512 GB) & EZVIZ CloudPlay Storage<sup>2</sup>





## A panoramic view presented in sharp 2K<sup>+</sup>

The H8x 2K<sup>+</sup> is determined to upgrade the level of protection of your outdoor space. With its lifelike sharp 2K<sup>+</sup> 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.

# 2K<sup>+</sup> Crisp





# 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.

## Next-Gen Image Processing Technology



2K+ Resolution



F1.0 Super Aperture



1/1.8" CMOS Sensor



EZVIZ  
COLORFULL

## AI-ISP Technology

**-70%**

motion blur for even fast-moving objects

**+300%**

image signal-to-noise ratio for true colors & details



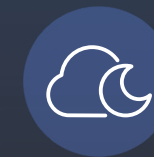
# ColorFULL means colorful details, fully presented

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



Color Night Vision with Spotlights



Black-and-White Night Vision





EZVIZ ColorFULL Night Vision



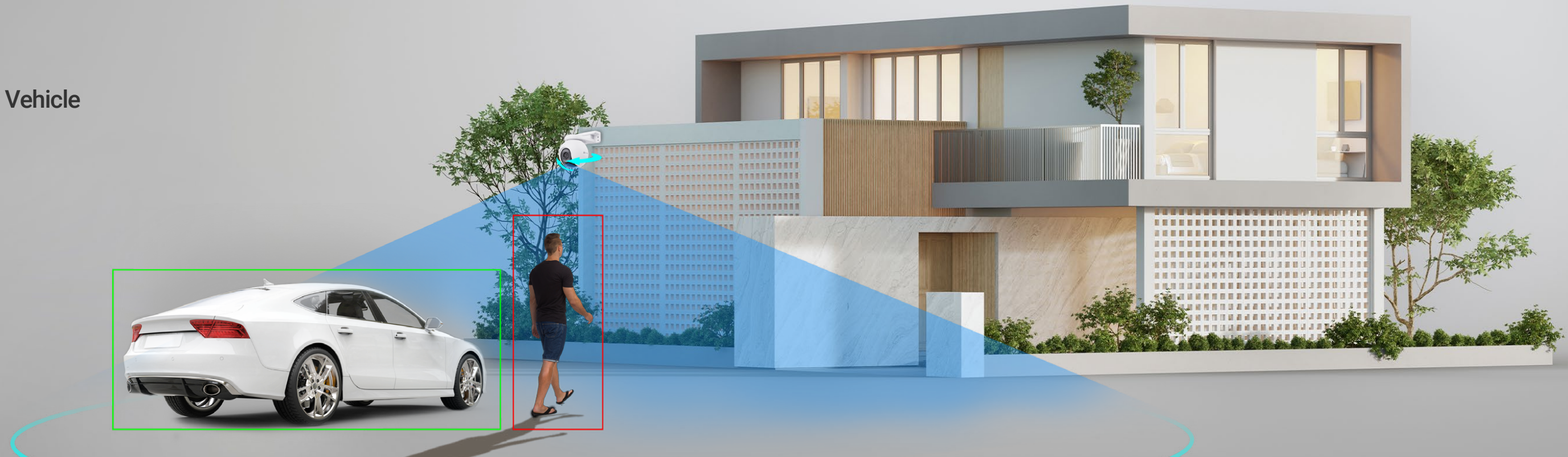
# Detect smartly for events that you care

No need to constantly check your door or rush to the backyard when you hear absurd noises. The H8x 2K+ 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

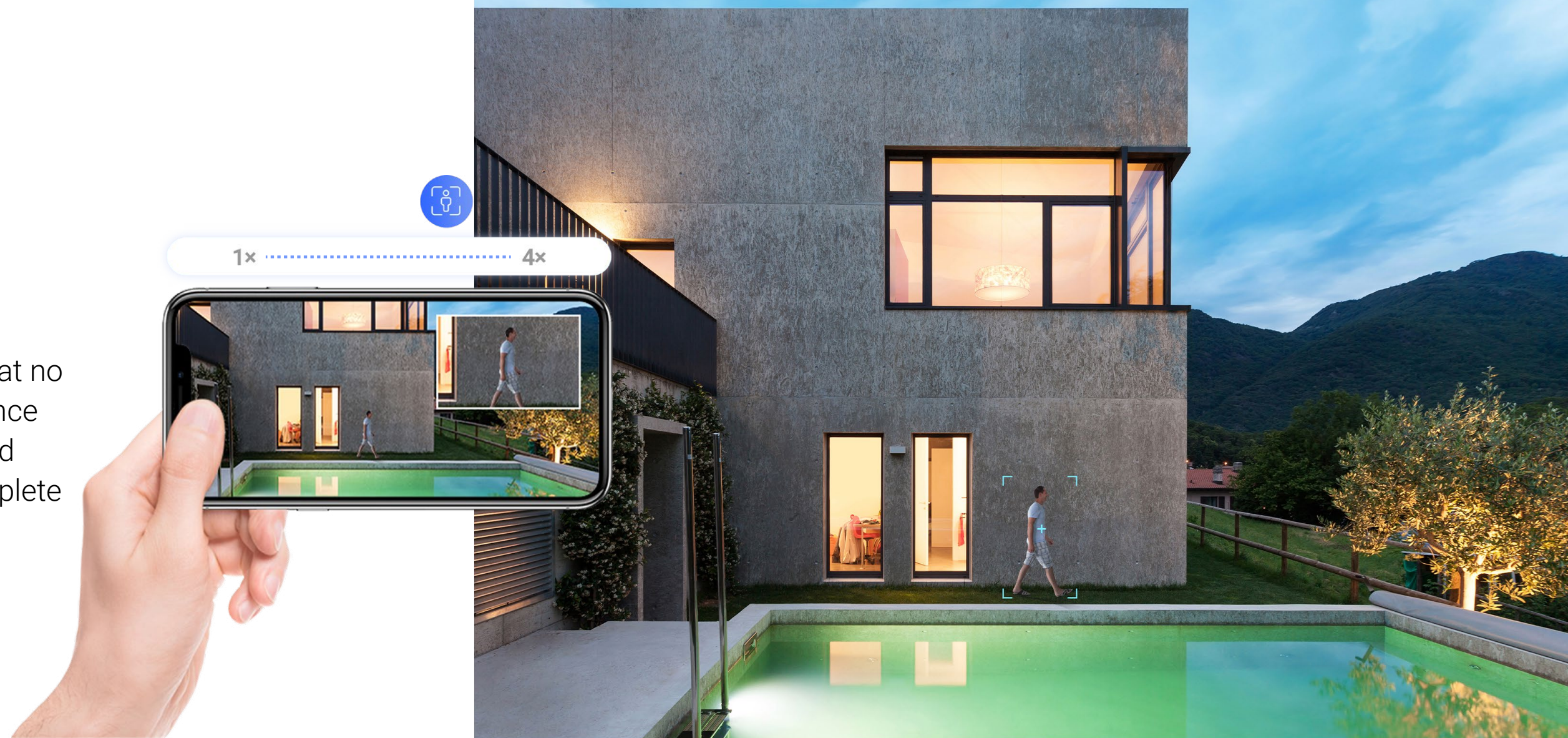
 Customizable Detection Zone

 FREE No Subscription Fee



## Follow and focus with a zoom, all automatically

With its smart tracking ability, the H8x 2K+ 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

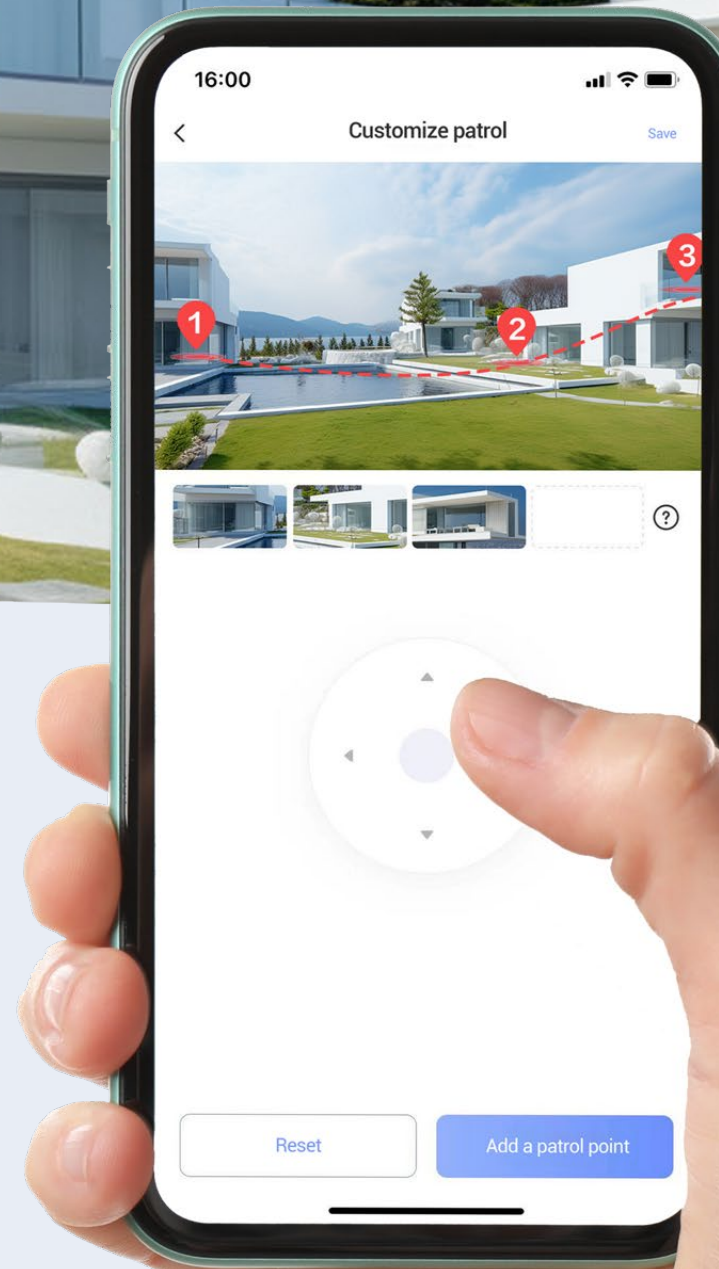
The H8x 2K+ monitors your property vigilantly with its unique patrol mode. It pans and tilts precisely to your pre-set viewpoints, automating the whole security check routines for greater peace of mind.



Patrol horizontally



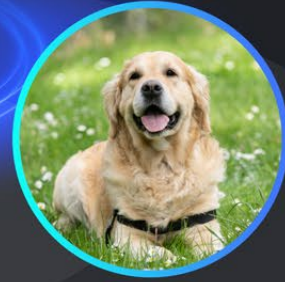
Follow pre-set 4 points







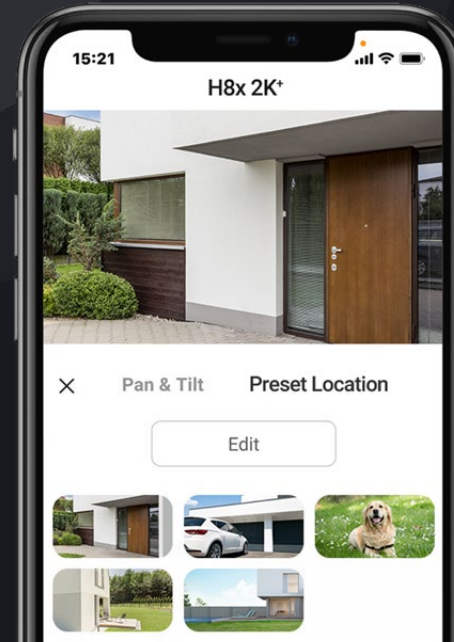
Front Door



Backyard



Garage



## 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 H8x 2K+ adeptly navigates back to your preferred viewing angle with just one click.

## Double warnings to stop a suspicious action

When you feel the need to get extra protection to turn away potential intruders, just enable the Active Defense mode. When a person is detected, the camera will flash its powerful spotlights at the subject and sound an ear-piercing siren. You can easily adjust the sound and light level on the EZVIZ App.





# Talk in your preferred way, even automatically

Enjoy two-way audio by simply using your smartphone. Or, pre-record a 10-second voice message that automatically plays upon human motion detection.



## More convenience for various needs



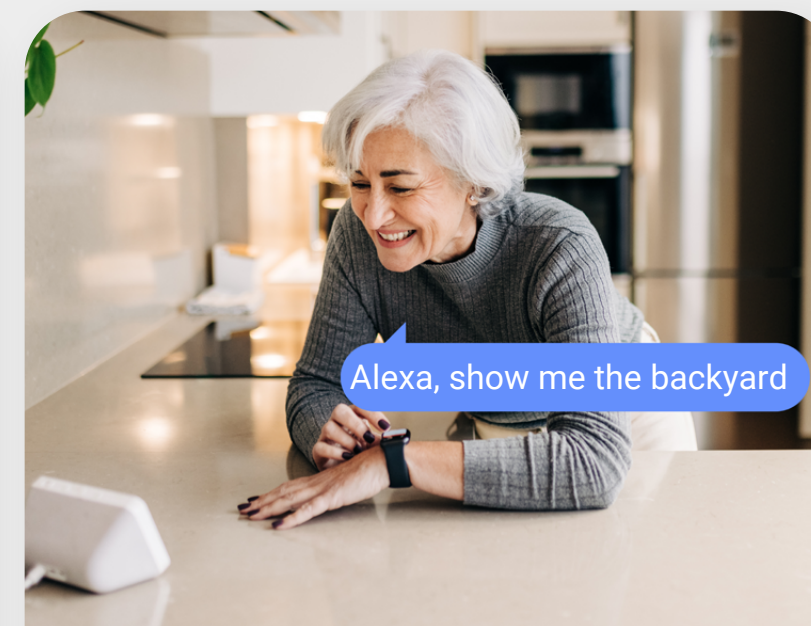
### Durable design for outdoor

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.<sup>2</sup>



### 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".<sup>1</sup>



### 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.<sup>3</sup>



# 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**

## AES

Data Encryption

## TLS

Data Transmission  
Encryption

Our global certifications in the fields of **information security, privacy information security, and cloud security**



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

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

3 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-H8x-R100-8H4WKFL

## Camera

Image Sensor	1/1.8" Progressive Scan CMOS
Shutter Speed	Self-adaptive shutter
Lens	4mm @ F1.0 Field of view: 48° (vertical), 92° (horizontal), 108° (diagonal)
PT Angle	Pan: 340°, Tilt: 70°
Minimum Illumination	0.01 Lux @ (F1.0, AGC ON) (*data is obtained from EZVIZ laboratories)
Lens Mount	M12
DNR	3D DNR
WDR	Digital WDR
BLC	Supports

## Video & Audio

Max. Resolution	2K+ (2560 × 1440)
Frame Rate	Self-adaptive during network transmission
Video Compression	H.265 / H.264
H.265 Type	Main profile
Video Bit Rate	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	Support 20 MHz
Security	64 / 128-bit WEP, WPA / WPA2, WPA-PSK / WPA2-PSK, WPS
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 Zoom Tracking	Supports
General Function	Anti-Flicker, Dual-Stream, Heart Beat, Password Protection, Watermark



# Specifications CS-H8x-R100-8H4WKFL

## Storage

Local Storage	Supports microSD card (max. 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 + 2 h rainstorm
Power Supply	DC 12 V / 1 A
Power Consumption	Max. 12 W
Dimensions	167 × 112 × 154 mm (6.57 × 4.41 × 6.06 inch)
Packaging Dimensions	205 × 176 × 194 mm (8.07 × 6.93 × 7.64 inch)
Weight	Product: 607 g (21.4 oz) With package: 1003 g (35.4 oz)



## In the box

- H8x Camera
- Drilling Template
- Power Adapter
- Waterproof Kit
- Screw Kit
- Regulatory Information × 2
- Quick Start Guide

## Certifications

CE / UL / WEEE / RoHS / REACH

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