H90 Dual 2K+ & 2K+

Dual-Lens Pan & Tilt Wi-Fi Camera



Dual cameras, dual rotations

Another innovation in the EZVIZ star range of dual-lens cameras, the H90 Dual is taking 360-degree protection to a whole new level by combining two rotating lenses in a single housing. Its orb-shaped camera inherits the beloved features from EZVIZ's pan/tilt series, and its UFO-shaped top camera adds another sweeping, ultra-wide field of view to leave no corner unwatched. The two boast additional smartness by responding to each other to complete interlinked detection and view change. In short, the H90 Dual provides unparalleled vision and efficiency for large-area monitoring.

- 2K+ & 2K+ Dual Lenses
- Dual Rotations for Ultra-Flexible Vision
- Co-Detection for Auto Smart Tracking
- One-Tap Control for Linked View Change
- Two Patrol Modes for Auto-Security
- 360° Panoramic View
- AI-Powered Human / Vehicle Shape Detection
- Active Defense with Siren & Strobe Light
- Color Night Vision
- Two-Way Talk
- H.265 Video Technology
- Enhanced Dual Wi-Fi Antennas
- Weatherproof Design
- Easy Installation
- Smart Integration with Google Assistant & Amazon Alexa[1]
- Supports MicroSD Card (Up to 512 GB) & EZVIZ CloudPlay Storage[2]

Smart robotic power doubled in one

Equipped with the EZVIZ's dual-lens technology, the H90 Dual unprecedentedly uses three motors to ensure both cameras can smoothly swirl to reduce blind spots as much as possible. This two-camera system can secure two separate, wide areas simultaneously, or record the same activity with far more details.

Triple Motors to Change Scenes Easily

Flexible Rotations to Fit Various Installation Conditions



Big and small, all truthfully captured in 2K+ resolution

Let the H90 Dual enhance your sight to see both far and nearby, so you don’t skip anything important.You can adjust the upper lens to keep a continuous watch on the big picture of a key area, and use the lower lens to secure what matters to you most.





F/2.8mm Wide-angle View



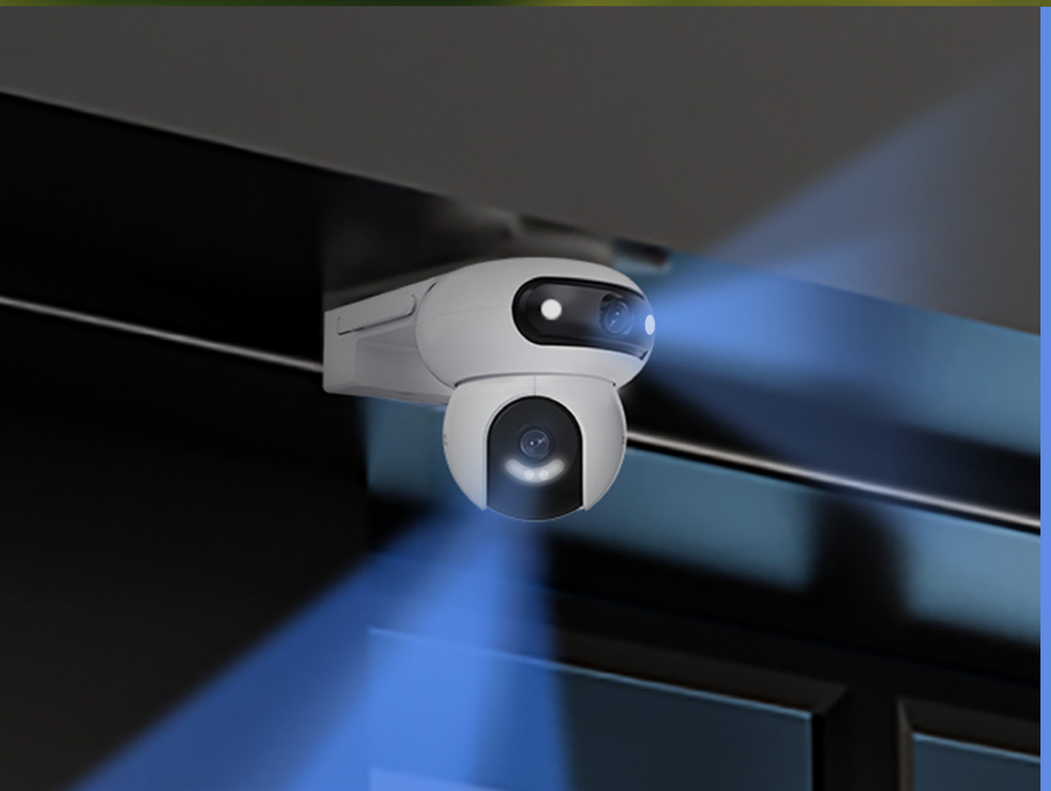
F/6mm Close-up View



F/6mm Digital Zoom

Click to check, with both wide and close-up views

Understand the whole, big picture while paying attention to the important details, by using the EZVIZ App. You can tap the area of interest on the wide-angle viewing box, so a close-up view will be shown on the side at the same time.



Co-action technology ready for a complex activity

Unlike most dual-lens cameras in the market that only stitch the views of two lenses, the H90 Dual is smart enough to complete a complicated detection activity by involving two lenses at the same time.

Co-Detection for Auto Smart Tracking



Step 1

The top lens detects a moving person in its ultra-wide 110° view



Step 2

The bottom lens rotates and follows the moving person

Fully-automated rotation for extended peace of mind

On set time intervals, the lower lens can complete rotational check-ups to eliminate blind spots. You can customize patrol routes for tailored focuses, or simply ask it to complete a full-circle spin.



Patrol horizontally

Follow pre-set 4 points



Smarter alerts on the comes and goes

In addition to capturing human activities with a wealth of information, the H90 Dual recognizes the shape of a car from other moving objects. If your family member pulls up in front of your driveway or someone parks in your detected area, you will be notified immediately.

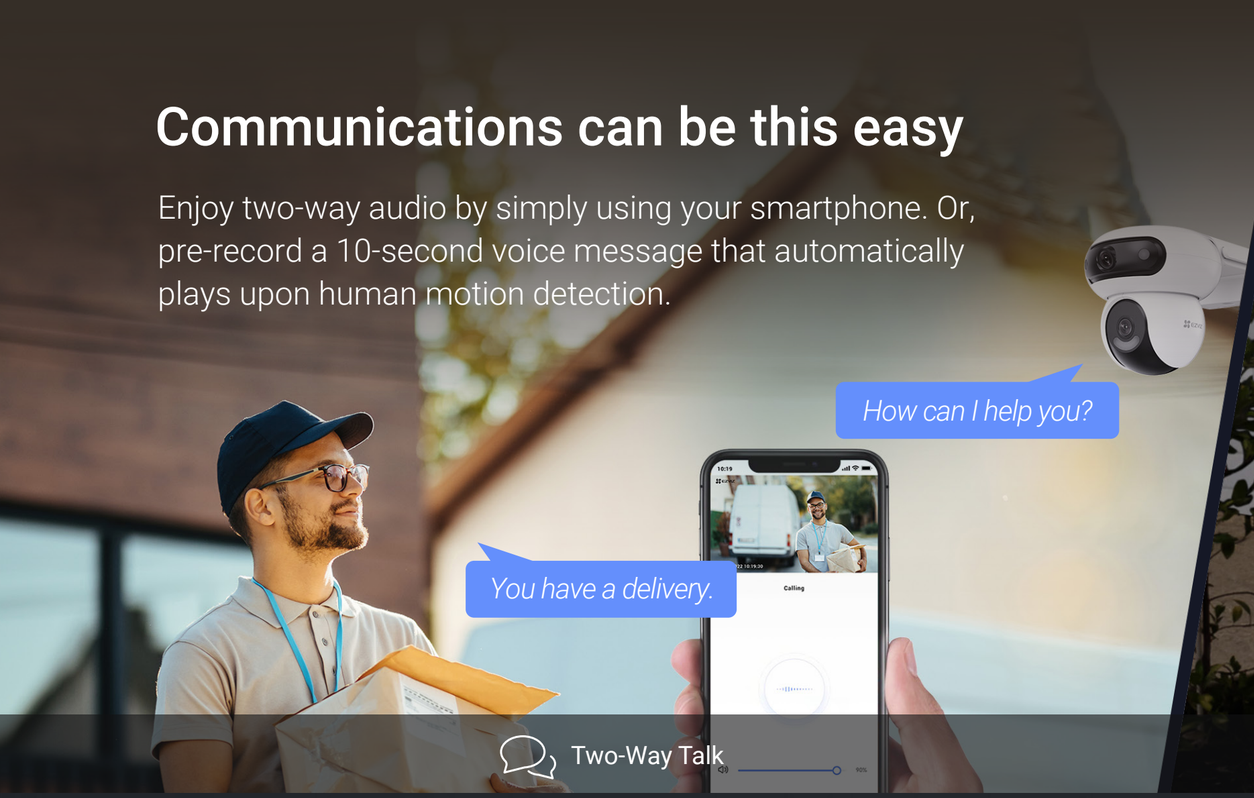
AI-Powered Human Shape Detection (On both lenses)

AI-Powered Vehicle Shape Detection (On both lenses)

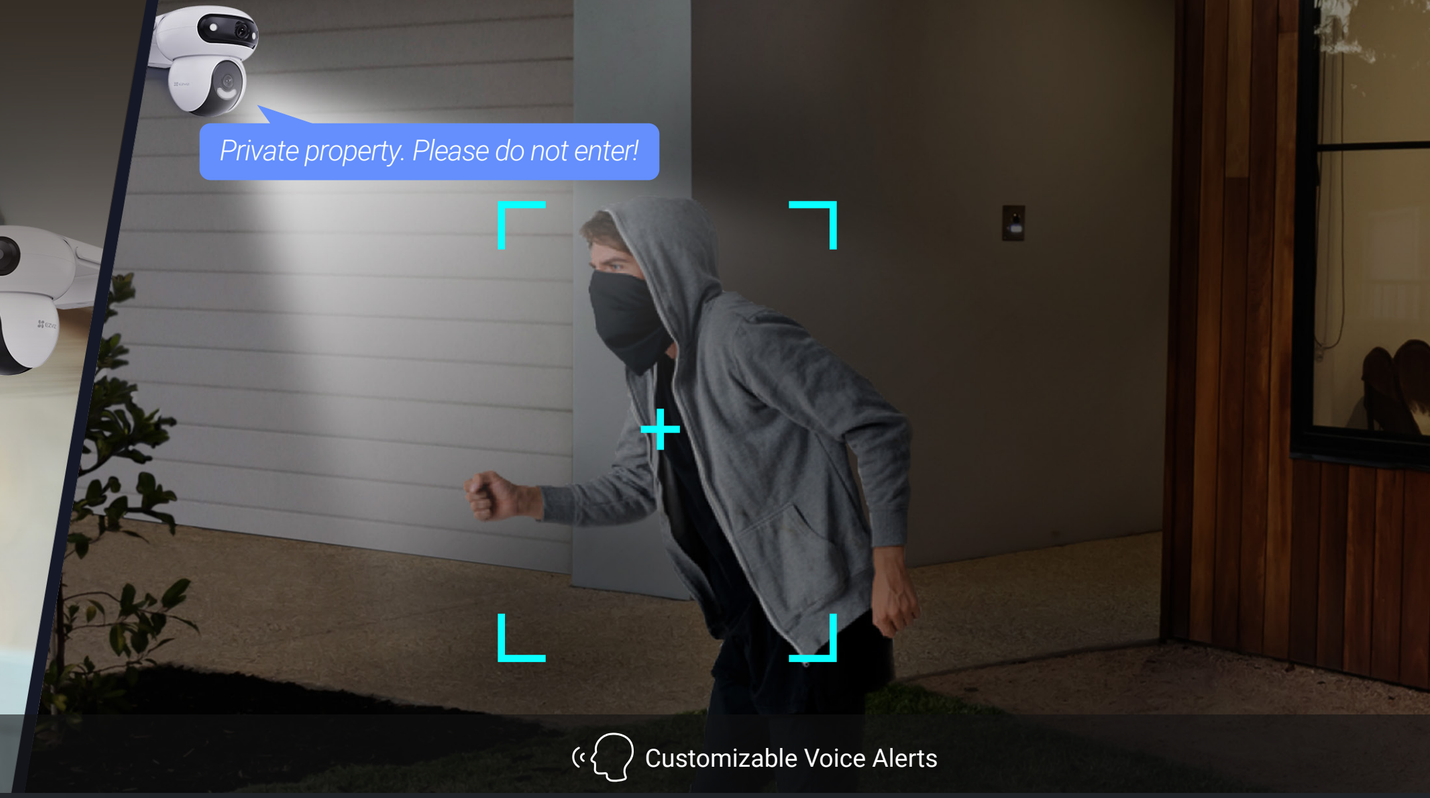
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Communications can be this easy

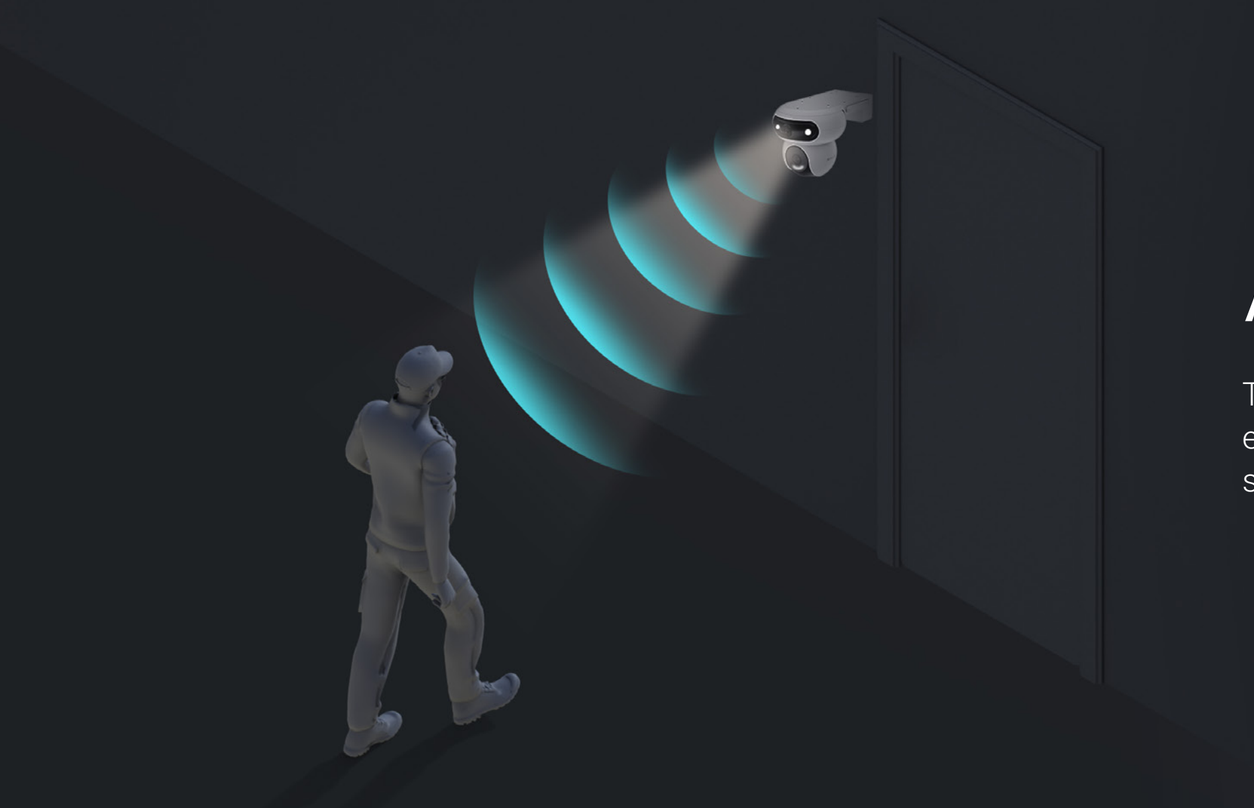
Enjoy two-way audio by simply using your smartphone. Or, pre-record a 10-second voice message that automatically plays upon human motion detection.



Two-Way Talk



Customizable Voice Alerts



A vigilant guard who works around the clock

The H90 Dual integrates EZVIZ's beloved active defense function to provide an extra layer of protection. Upon detection of intruders, the camera will set off a loud siren and flash two spotlights to warn them away.

Designed to make protection last all night

01

Far-reaching color night vision

With its F1.2 large-aperture lens and four built-in spotlights, the H90 Dual provides full-color night vision within an impressive range of up to 40 meters.[3] Nothing will easily escape your sight despite the cover of darkness.



02

Three night vision modes at your choice

Full-color mode
Enable the spotlights to illuminate a completely dark environment for vivid details throughout the night.

Black-and-white mode
Use the infrared night vision if you don't want the strong lighting to disturb your neighbors.

Smart mode
Or, let the camera decide. A detected motion will trigger it to switch on the lights automatically.



A durable design with versatile setups

Designed to satisfy security demands under various scenarios, the H90 Dual can easily find its best location to deliver steady, reliable performance even in rain or snow.

Easy Installation with Flexible Mounting Accessories

Weatherproof Design









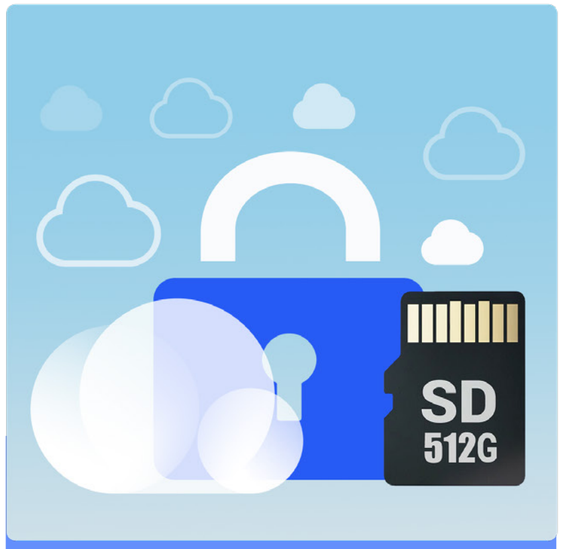
Powerful antennas, stable connection

It boosts up to 220 m Wi-Fi coverage thanks to its high-performance dual antennas.[4] It also offers wired options for further convenience.



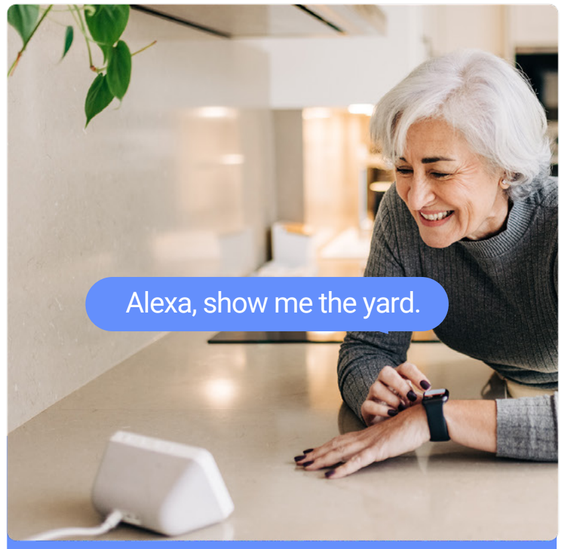
H.265 for enhanced video experience

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]



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.[2]



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”.[1]

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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 If the two lenses point in the same direction, the maximum color night vision range is 40 meters. If this is not the case, the maximum distance is 30 meters, based on EZVIZ Lab test results under standard conditions.

4 Data from EZVIZ Lab’s test results in open environment. Will vary with the Wi-Fi frequency, camera location, the transfer technology, and other environmental factors.

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, as well as other environmental factors.

Specifications CS-H90-R100-8H44WKFL

Camera

Image Sensor	1/3” Progressive Scan CMOS
Shutter Speed	Self-adaptive shutter
Lens	Top Lens: 2.8mm @ F1.6, Field of view : Diagonal 110°, Horizontal 96°, Vertical 54° Bottom Lens: 6mm @ F1.6, Field of view : Diagonal 60°, Horizontal 52°, Vertical 28°
PT Angle	Pan: 324°, Tilt: 90°
Minimum Illumination	0.5 Lux @ (F1.6, AGC ON), 0 Lux with IR (* data is obtained from EZVIZ laboratories)
Lens Mount	M12
Day & Night	IR-cut filter with auto switch
DNR	3D DNR
WDR	Digital WDR
Black & White Night Vision	30 m (98 ft)

Video & Audio

Max. Resolution	2K+ (2880 × 1620)
Frame Rate	Max:15fps; Self-adaptive during network transmission
Video Compression	H.265 / H.264
H.265 Type	Main profile
Video Bit Rate	Ultra-HD; Hi-Def; Standard. 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	WPA-PSK / WPA2-PSK
Transmission Rate	11b: 11Mbps, 11g: 54Mbps, 11n: 150Mbps
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 Motion detection
Auto Tracking	Supports
Customized Alert Area	Supports
Two-Way Talk	Supports
Preset Locations	Supports
General Function	Anti-Flicker, Dual-Stream, Heart Beat, Password Protection, Watermark

Storage

Local Storage	Supports microSD card (max. 512 GB)
Cloud Storage	Supports EZVIZ CloudPlay storage (subscription required)

Specifications CS-H90-R100-8H44WKFL

General

Operating Conditions	-30°C to 50°C (-22°F to 122 °F) Humidity 95% or less (non-condensing)
IP Grade	IP65 + 2h rainstorm
Power Supply	DC 12V / 1.5A
Power Consumption	MAX. 18 W
Dimensions	224 × 135 × 136 mm (8.82 × 5.31 × 5.35 inch)
Packaging Dimensions	255 × 176 × 194 mm (10.04 × 6.93 × 7.64 inch)
Weight	Net weight: 723 g (25.51 oz) With Package: 1203 g (42.43 oz)

In the box

- H90 Dual 2K+ Camera
- Power Adapter
- Drill Template
- Waterproof Kit
- Screw Kit
- Regulatory Information × 2
- Quick Start Guide

Certifications

CE / UL / WEEE / RoHS / REACH

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