EZVIZ™

TY8

3K

Pan & Tilt Wi-Fi Camera

Customizes Your Outdoor Security, the Way You'd Like

3K Vibrant & Clear Footage



Pan-Tilt Design for a Panoramic View



350°
Horizontal Rotation

90°
Vertical Rotation

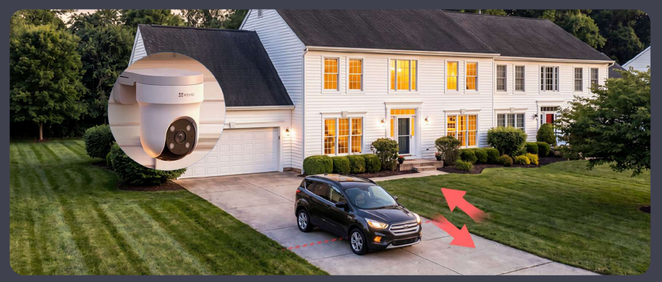
AI-Powered Human / Vehicle Shape Detection



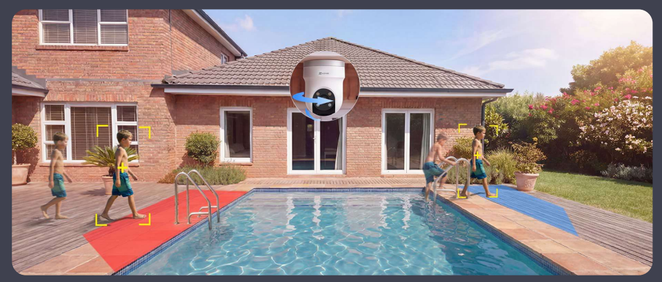
Auto-Zoom Tracking Smartly Identifies, Focuses and Follows on Human Activities



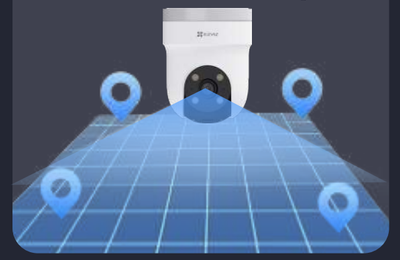
Line Crossing Detection



Intrusion & Out-of-Zone Detection



Two Patrol Modes for Auto-Security



One-Click Return to Pre-Set Directions



Active Defense with Siren and Red-Blue Warning Lights[1]



Dual-Band Wi-Fi



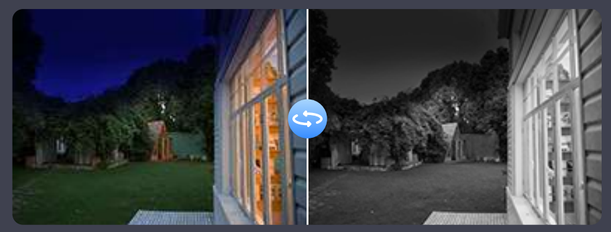
Weatherproof Design



Supports Local & Cloud Storage[2]



Smart Color Night Vision



Easy Installation



3K Panoramic View

Sees Every Corner in 3K Clarity

Keep your outdoor spaces protected with TY8's crystal-clear 3K resolution, capturing sharper details and more complete visuals so you never miss a thing.



350°
Horizontal Rotation

90°
Vertical Rotation

AI 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

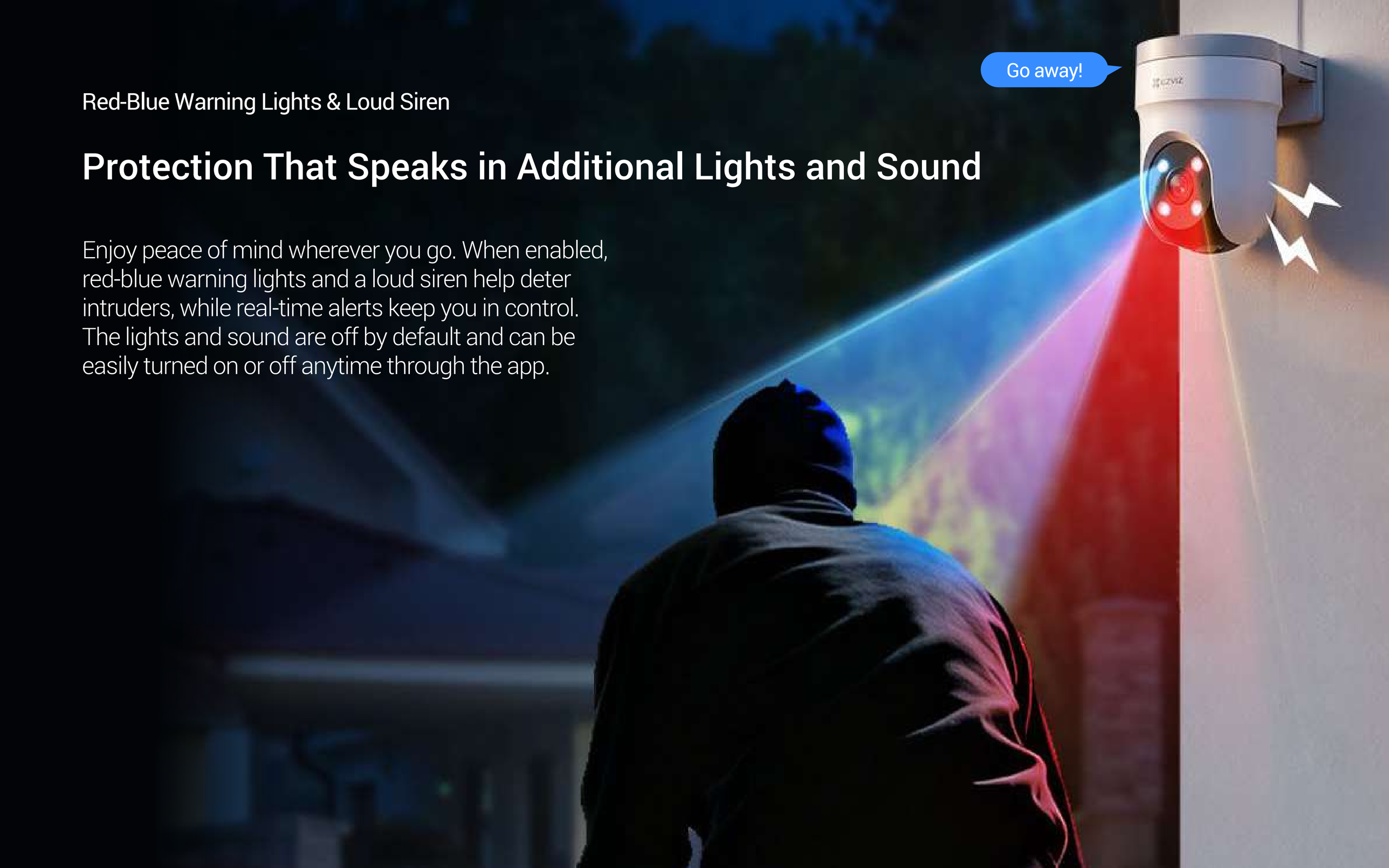
With auto-zoom tracking, the camera doesn’t make important moments slip out of frame. When the camera detects human movement, it automatically pans to stay locked on the action and zooms in for a closer look.



Red-Blue Warning Lights & Loud Siren

Protection That Speaks in Additional Lights and Sound

Enjoy peace of mind wherever you go. When enabled, red-blue warning lights and a loud siren help deter intruders, while real-time alerts keep you in control. The lights and sound are off by default and can be easily turned on or off anytime through the app.



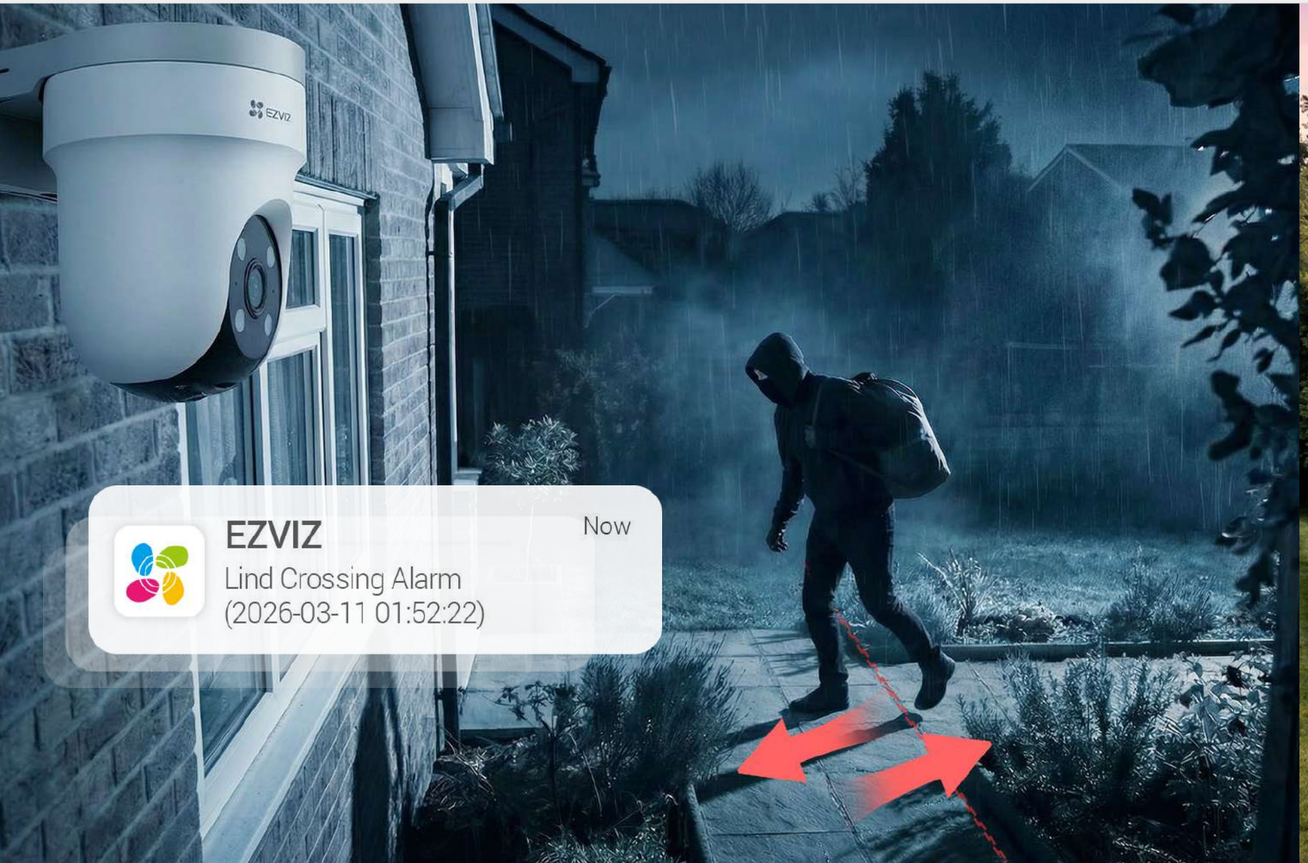
Line-Crossing Detection

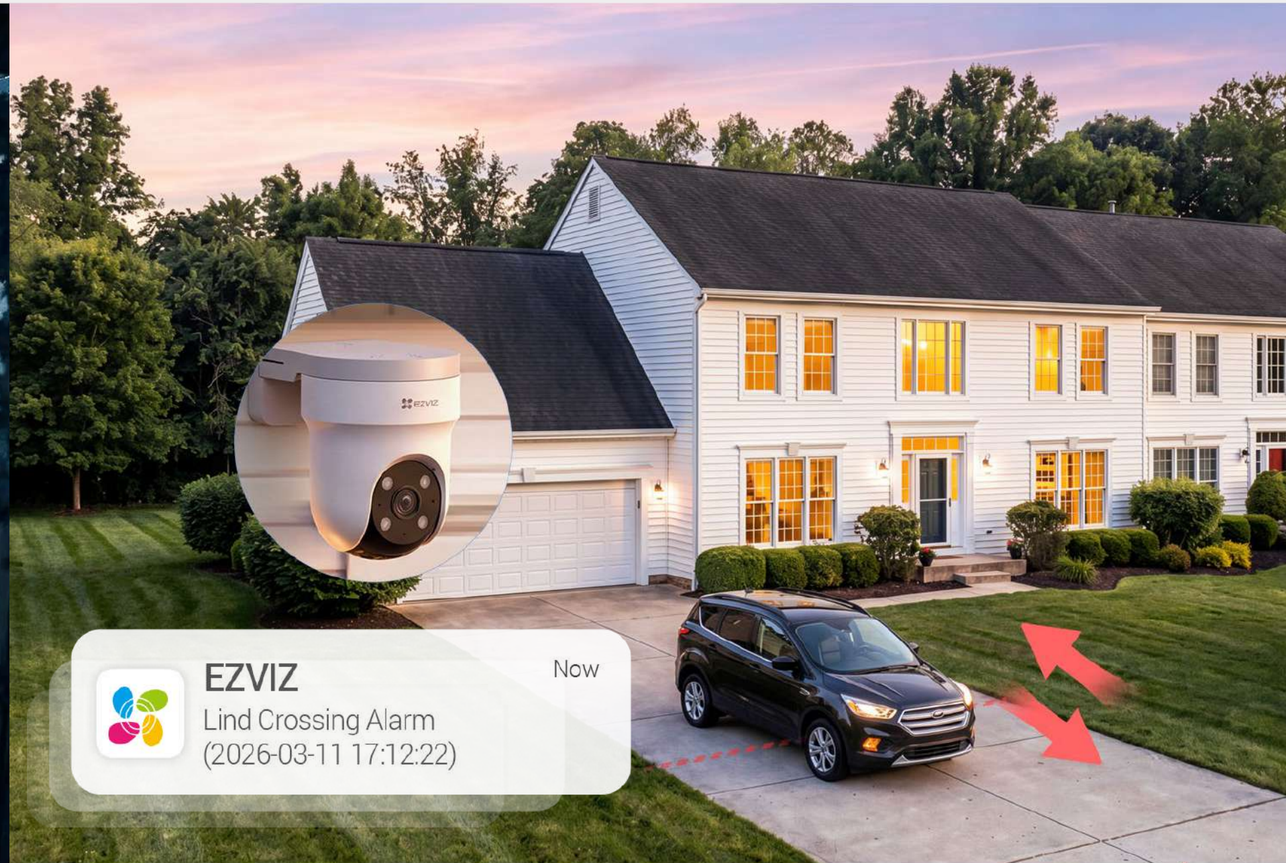
Gets Alerted at the Line You’ve Drawn

Easily draw a virtual line in the app and receive instant alerts when a person or vehicle crosses it.
Place the line exactly where it matters to cover critical areas and reduce unwanted notifications.

Custom Line for Key Areas

Bi-Direction Detection for Complete Alerts





Intrusion & Out-of-Zone Detection

Knows the Moment When Someone Steps in or Walks away

Define custom activity zones around your most important areas and receive instant alerts when someone enters or exits.
With precise, reliable detection, alerts are triggered only when it truly matters—reducing unnecessary notifications.

Max.4 Up to 4 Detection Zones

Flexible 4-Point Detection Zones

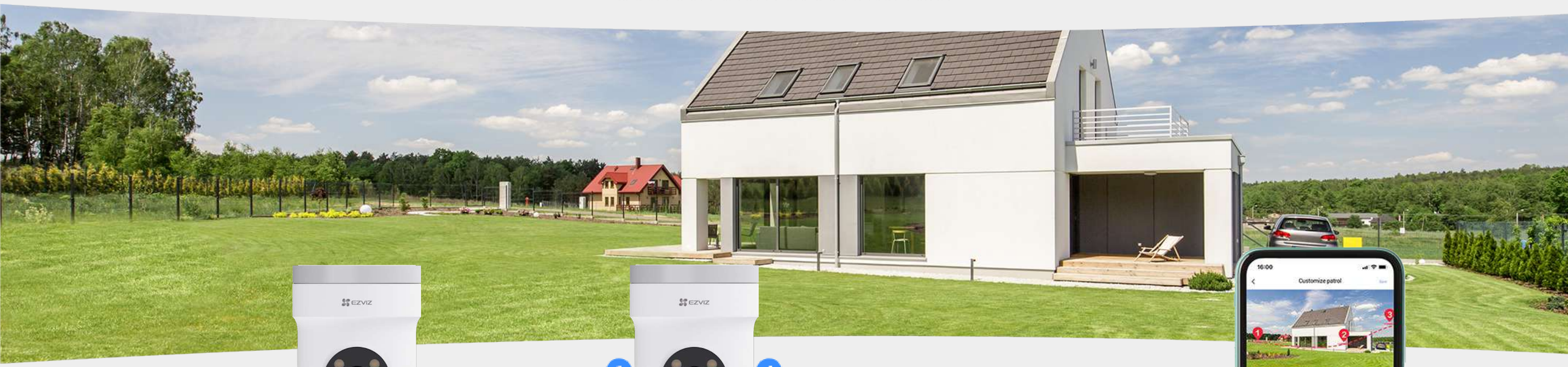
Custom Irregular Zone Shapes



Auto Patrol Mode

Customizes Important Spots for Auto Security

Set up key spots you want the camera to watch, and it will automatically patrol between them at set intervals.



Patrol horizontally

Follow pre-set 4 points











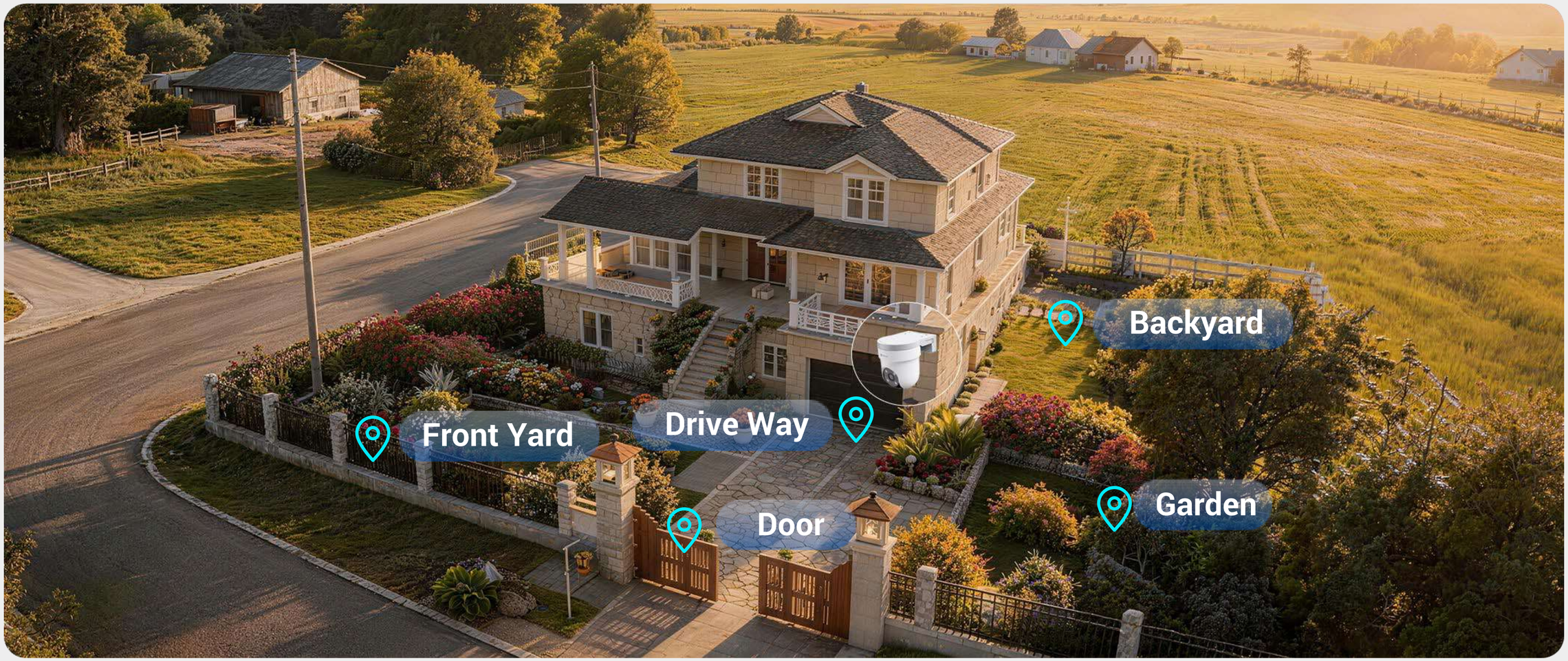
Preset Location & Zoom Ratio

Saves Your Preferred Setting for Quick Views

Normally, checking specific areas requires manually adjusting the camera each time. With preset locations and zoom settings saved in advance, you can instantly return to important views with just one tap.

Saves Preferred Pan-Tilt Angles

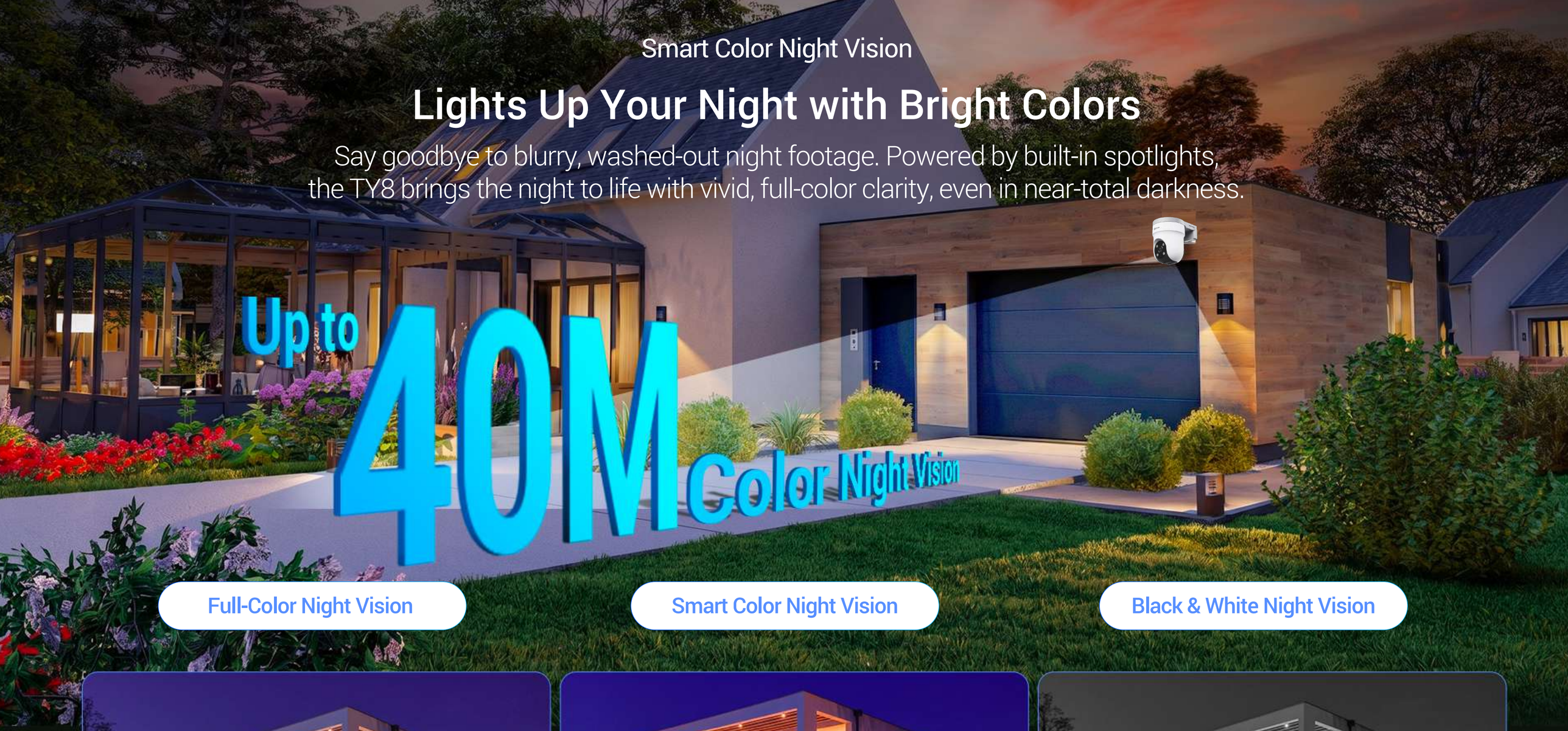
Saves Zoom Ratios for Each Angle



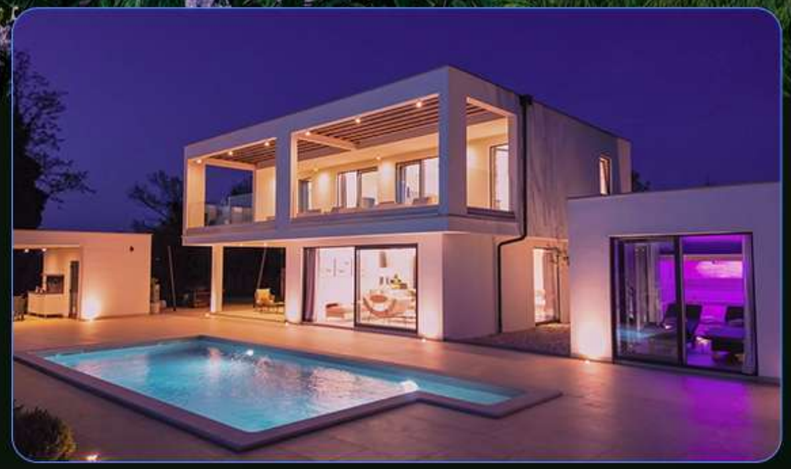
Smart Color Night Vision

Lights Up Your Night with Bright Colors

Say goodbye to blurry, washed-out night footage. Powered by built-in spotlights, the TY8 brings the night to life with vivid, full-color clarity, even in near-total darkness.



Full-Color Night Vision



Smart Color Night Vision



Black & White Night Vision



Dual-Band Wi-Fi (2.4 / 5 GHz)

Enhances Live Feed for Lag-Free and Stable Clarity

With dual-band Wi-Fi, you can switch between 2.4 GHz and 5 GHz for smoother, faster streaming. Combined with enhanced connection stability, the camera maintains reliable connectivity wherever it's installed.

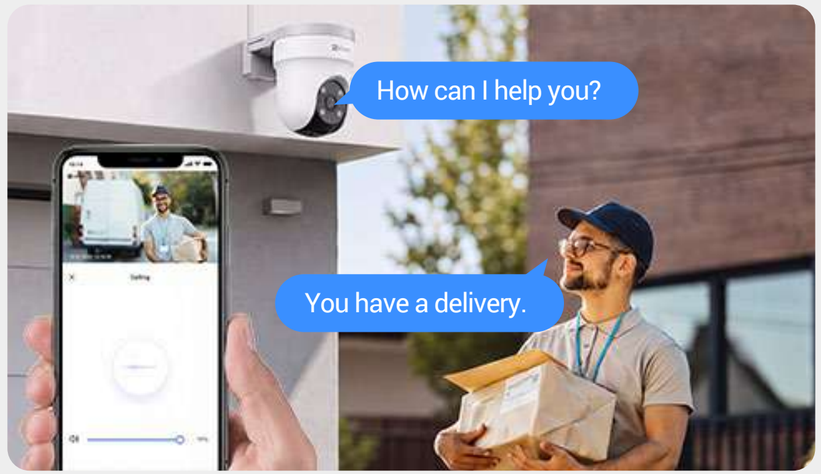


Brings More Convenience for Extra Peace of Mind



Weatherproof Design

Delivers Protection Rain or Shine



Two-Way Talk

Responds to Visitors with Phone



Local & Cloud Storage

Saves Your Videos with Two Options[2]



H.265 Video Compression

Enjoys Video Experiences with H.265[3]

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 Users may manually enable or disable the red and blue warning lights via the EZVIZ App.

2 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 A local storage card must be purchased separately. Cloud storage service is only available in certain markets. Please verify the availability before making any 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, as well as other environmental factors.

Specifications CS-TY8-R220-1Q5WFL

Camera

Image Sensor	1/3" Progressive Scan CMOS
Shutter Speed	Self-adaptive shutter
Lens	4 mm @ F1.6, viewing angle: 41° (vertical), 76° (horizontal), 90° (diagonal)
PT Angle	Pan: 350°, 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	30 m / 98 ft

Network

Wi-Fi Standard	IEEE802.11a, IEEE802.11b, 802.11g, 802.11n,802.11ac
Frequency Bands	2.4 GHz ~ 2.4835 GHz, 5.15GHz~5.25GHz, 5.25GHz~5.35GHz, 5.47GHz~5.725GHz
Channel Bandwidth	Supports 20MHz (2.4GHz) / supports 80MHz (5GHz)
Security	WPA / WPA2 / WPA3, WPA-PSK / WPA2-PSK, WPA2-PSK / WPA3-PSK
Transmission Rate	11b: 11 Mbps, 11g :54 Mbps, 11n: 150 Mbps, 11ac: 433Mbps, 11ax: 600Mbps
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)

Video & Audio

Max Resolution	2880 × 1620
Frame Rate	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

Function

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

Specifications CS-TY8-R220-1Q5WFL

Storage

Local Storage	Micro SD card slot (Up to 512GB)
Cloud Storage	EZVIZ Cloud Storage (Subscription required)

General

Operating Conditions	-30°C to 50°C (-22 °F to 122 °F) humidity 95% or less (non-condensing)
IP Grade	Weatherproof Design
Power Supply	DC 12 V / 1 A
Power Consumption	Max. 12 W
Dimensions	108 × 140 × 144 mm (4.25 × 5.51× 5.67 inch)
Packaging Dimensions	150 × 160 × 194 mm (5.91 × 6.3 × 7.64 inch)
Weight	Net Weight: 540 g (19.05oz) With Package: 810 g (28.57oz)

In the box

- TY8 Camera
- Drill Template
- Waterproof Kit
- Screw Kit
- Power Adapter
- Regulatory Information × 2
- Quick Start Guide

Certifications

CE / WEEE / RoHS / REACH / UL

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