



 Type-C

TY1 Pro

Pan & Tilt Smart Home Camera

4K plus 360° for all details that matter

Unveiling TY1 Pro 4K, the newest innovation to experience next-level home security. It secures your home with sophisticated 4K lens. Swiftly responding to movements and sounds, this smart camera smartly rotates with no corner of your space unnoticed. What's more, a handy call button keeps your family in close touch with you.



4K Resolution



360° Panoramic View



Patrol Mode



Smart Color Night Vision



Smart Human Shape Detection



Auto-Zoom Tracking



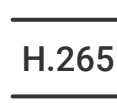
Loud Noise Detection



Two-Way Calling with Touch Button



Sleep Mode for Privacy Protection



H.265 Video Compression



Supports Dual-Band Wi-Fi 6 (2.4 / 5 GHz)¹

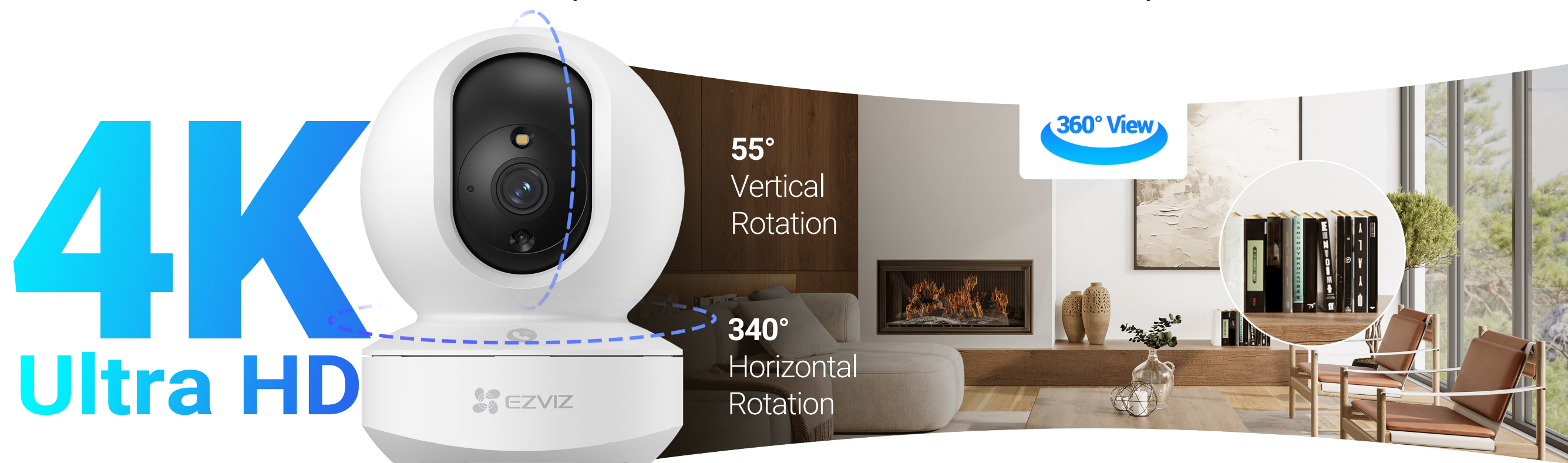


Supports MicroSD Card (Up to 512 GB) & EZVIZ CloudPlay Storage²



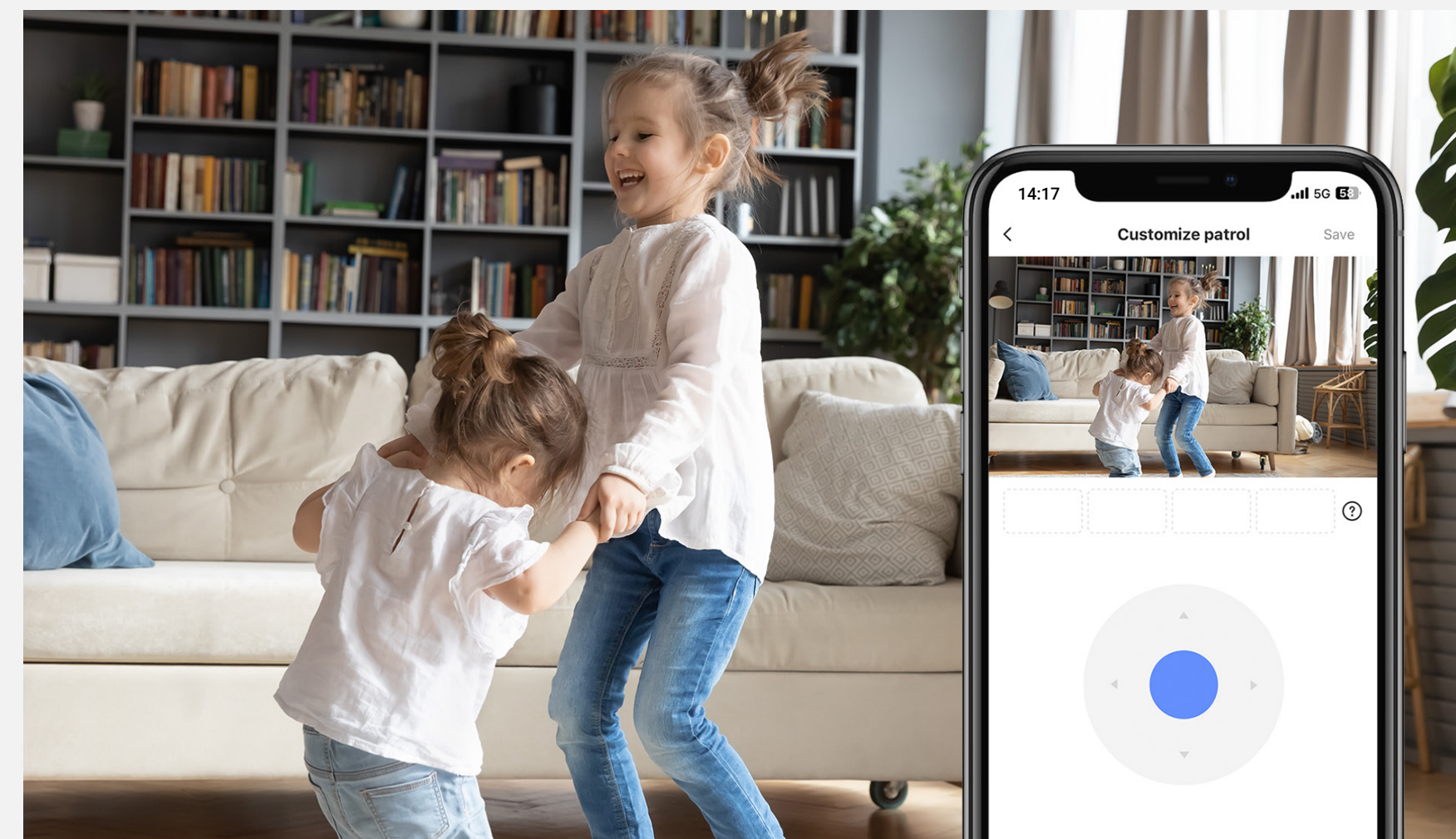
All details, all angles, in 4K sharpness

With the TY1 Pro, there's no more frustration due to a restricted view or a blurry footage. It sees every corner of your interior space in stunning and vivid 4K ultra clarity, just as if you were at home. You can easily control the lens to pan and tilt smoothly, and zoom to see details that matter most to you.



Enhanced security with fully automated rotation

The TY1 Pro pans and tilts automatically to eliminate blind spots with its unique patrol mode. You can even customize patrol pattern in accordance with your very special home, leaving no corner uncovered.



Get the notifications that matter

A lot of activities go on inside your home. Don't want to get alerted repeatedly when your curtains flutter in the wind? The TY1 Pro is smart enough to identify human activities in particular. You can choose to get alerted only when somebody is detected on camera.



Smart enough to detect, zoom, and follow

The camera can automatically zoom in up to 4 times to follow a moving person so you see details and get the whole picture at the same time. You can always enable the AI option to detect and track specifically human movements.



It takes care of the whole family

It's important to know if you're needed by your loved ones. The camera alerts you if the noise level suddenly changes – whether your baby cries or a siren blares. In addition, they can contact you from the camera's side by simply tapping the call button – one of the easiest way to make a video call.



Loud Noise Detection

Touch Call Button

Protection that never sleeps

Say goodbye to grainy video clips during nighttime. Even in pitch black darkness, the TY1 Pro renders vivid night vision to provide peace of mind.



Smart color night vision
up to 5 meters away



Nighttime imaging
up to 10 meters away



Less overexposure



Clearer details



Steady connection for boosted performance

Set up the camera network, either wired or wirelessly. You can connect the camera to either 2.4 or 5 GHz¹ band to ensure a strong Wi-Fi signal.

A visual diary made of precious moments

The TY1 Pro ensures that you capture unforgettable moments and store the memories safely.²



Supports MicroSD Card

Supports EZVIZ CloudPlay Storage

Enhanced viewing pleasure with smaller video files

Compared to the prevailing H.264 video compression technology, H.265 creates a more fluid viewing experience with recorded videos. Meanwhile, you won't have to worry about large video files taking up too much of your storage space – H.265 technology reduces their sizes by up to 50%.³

50%
Video Storage Space

50%
Required Bandwidth



We're committed to protecting with trust

We put security as the primary goal of every product and system that we build. We have also developed various privacy features and flexible settings that you can use at any time to feel even safer.

[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 You will need to choose the Wi-Fi frequency band during the device setup process. Once the choice is made, you will not be able to change it to another frequency band.

2 Local storage cards must be purchased separately. Cloud storage service is only available in certain market regions. 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, as well as other environmental factors.

Specifications CS-TY1-R105-8G8WF

Camera

Image Sensor	F1.6@1/2.7" Progressive Scan CMOS
Shutter Speed	Self-adaptive shutter
Lens	4mm, view angle: 106°(Diagonal), 90° (Horizontal), 48°(Vertical)
Lens Mount	M12
Day & Night	IR-cut filter with auto-switching
DNR	3D DNR
WDR	Digital WDR

Compression

Video Compression	H.264 / H.265
Video Bit Rate	Adaptive bit rate

Image

Max. Resolution	4K (3840 × 2160)
Frame Rate	Self-adaptive during network transmission

Network

Smart Alarm	Motion detection AI-powered human shape detection Loud noise detection Patrol mode detection
Wi-Fi Pairing	AP pairing

Protocol	EZVIZ Cloud Proprietary Protocol
Interface Protocol	EZVIZ Cloud Proprietary Protocol

Interface

Storage	Supports microSD card (Max. 512 GB)
Power	Type-C
Wired Network	RJ45 × 1 (10M / 100M self-adaptive Ethernet port)

Wi-Fi

Standard	IEEE802.11a, 802.11b, 802.11g, 802.11n,
Frequency Range	2.4G: 2400~2483.5MHz 5G: 5150MHz-5250MHz
Channel Bandwidth	Supports 20MHz
Security	WPA/WPA2, WPA-PSK/WPA2-PSK
Transmission Rate	11b 11Mbps, 11g 54Mbps, 11nHT20 MCS7, 11a 54Mbps, 11nHT20 MCS7
Output Power (EIRP)	19 dBm
Antenna Gain	1.9 dBi

Specifications CS-TY1-R105-8G8WF

General


Operating Conditions	-10°C to 45°C (14°F to 113 °F) Humidity 95% or less (non-condensing)
Power Supply	DC 5V / 2A
Power Consumption	Max. 8 W
IR Range	Max. 10 meters (32.81 ft)
Dimensions	88 × 88.2 × 119 mm (3.46 × 3.47 × 4.69 inch)
Packaging Dimensions	103 × 103 × 168 mm (4.06 × 4.06 × 6.61 inch)
Net Weight	213 g (0.47 lb)

In the box

- TY1 Pro 4K Camera
- Power Adapter
- Power Cable
- Drill Template
- Mounting Plate
- Screw Kit
- Regulatory Information × 2
- Quick Start Guide

Certifications

CE / UL / WEEE / REACH / RoHS

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