



 *Type-C*

# TY7 Dual 2K<sup>+</sup> & 2K<sup>+</sup>

## Dual-Lens Pan & Tilt Wi-Fi Camera

### Broader and smarter protection with dual lenses

Experience a sharp, almost dead-angle-free indoor vision with the EZVIZ TY7 Dual. By combining two lenses to drastically increase your field of view, it provides whole-room protection that's even better than your conventional pan-and-tilt cameras. Equipped with AI-powered co-detection and flexible auto-patrol modes, the camera is smart enough to capture and keep an eye on the important activities. With added convenience such as a touch-to-call feature and smart integration, it's a truly easy product for every member of the family.



2K<sup>+</sup> & 2K<sup>+</sup>  
Dual Lenses



360° Panoramic  
View



Smart Color  
Night Vision



Two-Way Calling  
with Touch Button



AI-Powered  
Human Shape  
Detection



Loud Noise  
Detection



Co-Detection for  
Auto Smart Tracking



One-Tap Control for  
Linked View Change



Two Patrol Modes  
for Auto-Security



Sleep Mode for  
Privacy Protection



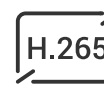
Supports Dual-Band  
Wi-Fi 6 (2.4 / 5 GHz)<sup>1</sup>



Smart Integration  
with Google Assistant  
& Amazon Alexa<sup>2</sup>



Supports MicroSD Card  
(Up to 512 GB) & EZVIZ  
CloudPlay Storage<sup>3</sup>



H.265 Video  
Technology<sup>4</sup>



# Dual lenses. Double protection.

With EZVIZ's unique dual-lens technology, the TY7 Dual can be a two-camera system in action. It features an adjustable wide-angle lens and a main pan-and-tilt lens at the same time – the duo works independently or together in a way that is much smarter than your ordinary camera.



**2K+ Pan-and-Tilt Lens**  
Rotational view for the whole picture

**2K+ Adjustable Wide-Angle Lens**  
Expansive view for the main area



## 01 See much more for whole-home protection

The TY7 Dual secures two areas – even at opposite angles – with just one device. Its upper motorized camera can smoothly rotate to monitor a large interior with virtually no blind spots. Its wide lens at the bottom ensures that you never lose sight of the key area. You can even manually tweak the position of the main lens to get the best coverage.



## 02

### *Work together for a single detection task*

The two lenses respond to each other to provide the protection that makes it much more difficult for anyone to move out of sight. When a person enters the zone watched by the wide-angle lens, the PT lens will automatically rotate to such viewing angle to lock on the person, follow to record the entire event, and send notifications with video footages.

#### **Step 1**

*The bottom lens detects a moving person*

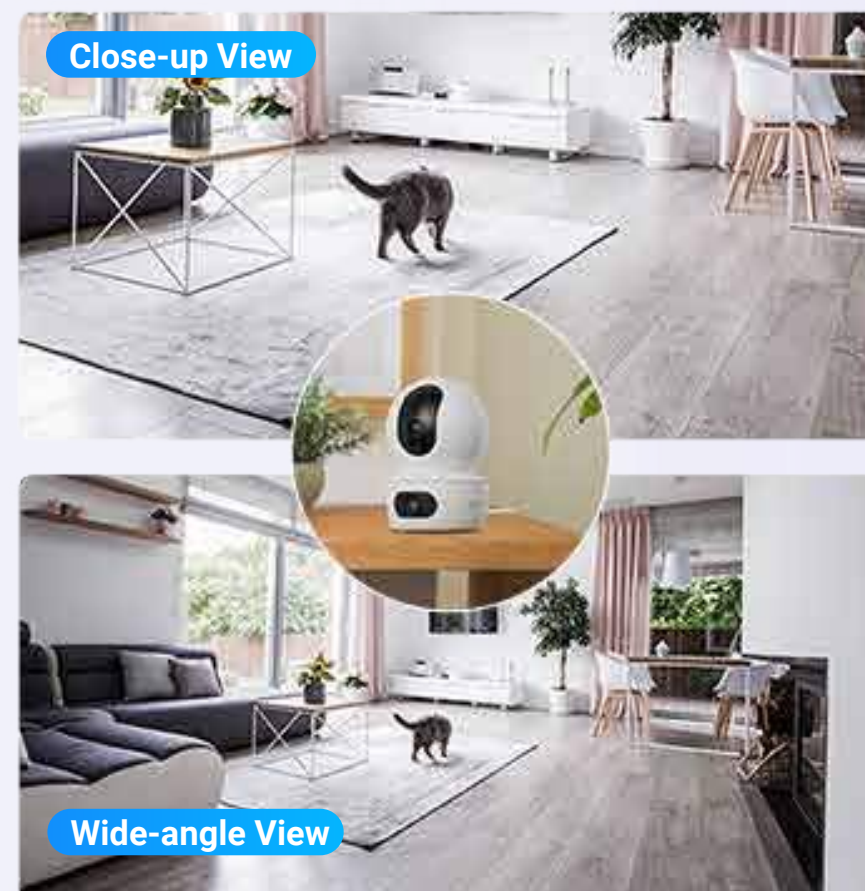


#### **Step 2**

*The top lens rotates and follows the moving person*



#### • For Homes



#### • For Stores



## 03





### *Big picture and small details both matter*

The camera allows you to understand the whole picture while paying attention to the important details. Both wide-angle and close-up views are displayed simultaneously on your EZVIZ App. Tap on a specific area in the wide-angle viewing box so that a close-up shot will render much more details for you to double check.



# Smarter detection for activities you care about

A lot of activities go on inside your home, but you don't want to get constantly alerted when your curtains flutter in the wind. The TY7 Dual is smart enough to notice human activities in particular and can capture sudden sound changes in the environment – all without additional fees to unlock.

-  Motion Detection
-  AI-Powered Human Shape Detection
-  Loud Noise Detection
-  Customizable Voice Notification

FREE No Subscription Required



# Love continues, regardless of distance

Staying connected with your family is always a necessity. A simple tap on the camera is all it takes for your children or elderly parents to reach you.



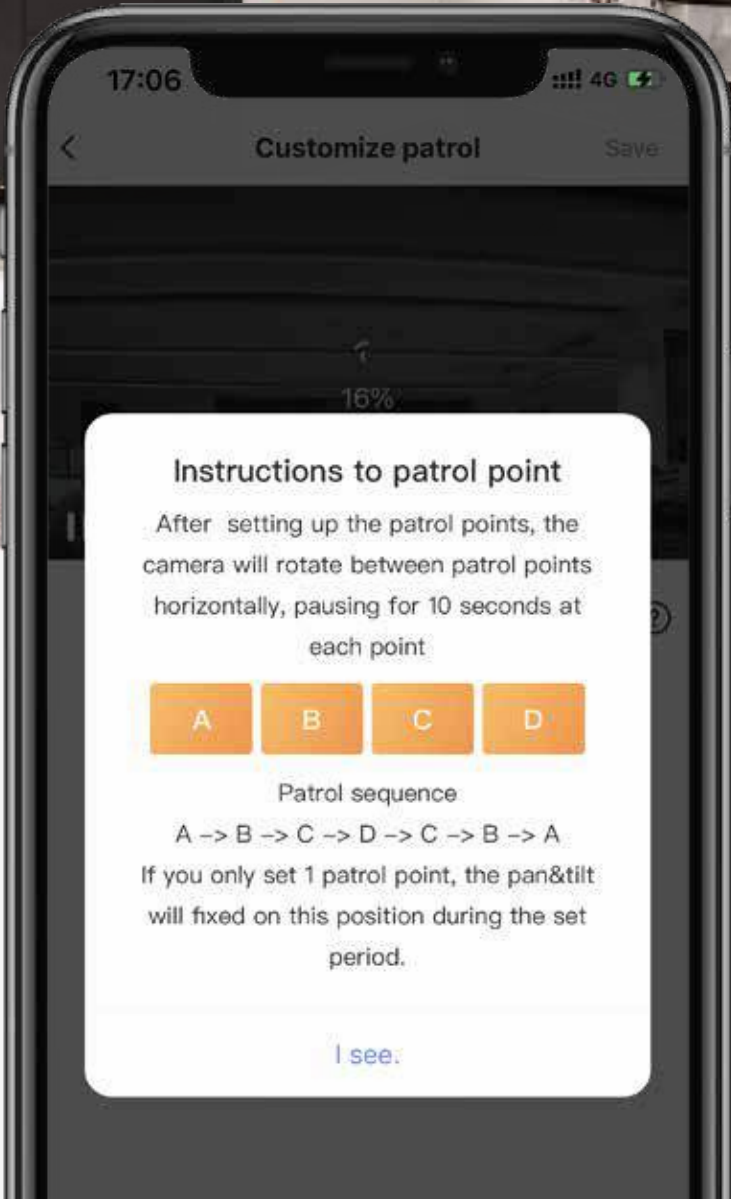


# Hands-free and worry-free, with customized auto patrols

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

 Spin 360° horizontally

 Follow pre-set 4 points





## ***Overnight protection in vivid colors***

The TY7 Dual uses starlight lenses to render high-quality colorful images even in low light conditions. Furthermore, it uses a built-in spotlight to deliver color night vision in complete darkness.

When the smart night vision mode is activated, it will automatically switch its view from black-and-white to full-color upon motion detection.



**01 | Black-and-White Vision Mode**



**02 | Smart Color Night Vision Mode**





### Multiple ways for easy pairing

With the exclusive Bluetooth configuration, you can effortlessly pair devices and set up even when connectivity is challenging.



### Stay in touch with two-way talk

You can easily engage in real-time conversations with your loved ones even from afar. The TY7 Dual provides high-quality two-way audio.



### Connection for boosted performance

Set up the camera network, either wired or wirelessly. You can connect the camera to either 2.4 or 5 GHz band to ensure a strong Wi-Fi signal.<sup>1</sup>



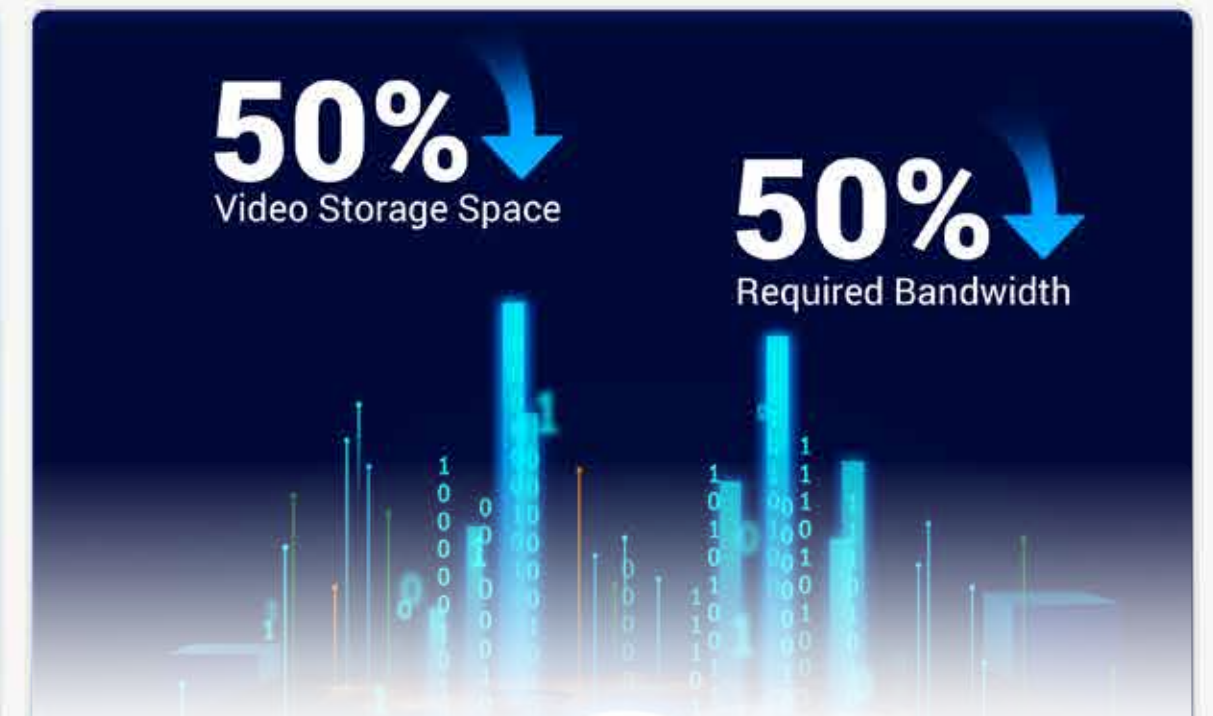
### Hands-free control

With integration to your voice assistants, you can pull up the video feed by simply saying "Alexa" or "Hey Google."<sup>2</sup>



### Dual video storage options

Capture and secure important moments or unforgettable memories on a large 512GB microSD card, or by subscribing to the EZVIZ CloudPlay.<sup>3</sup>



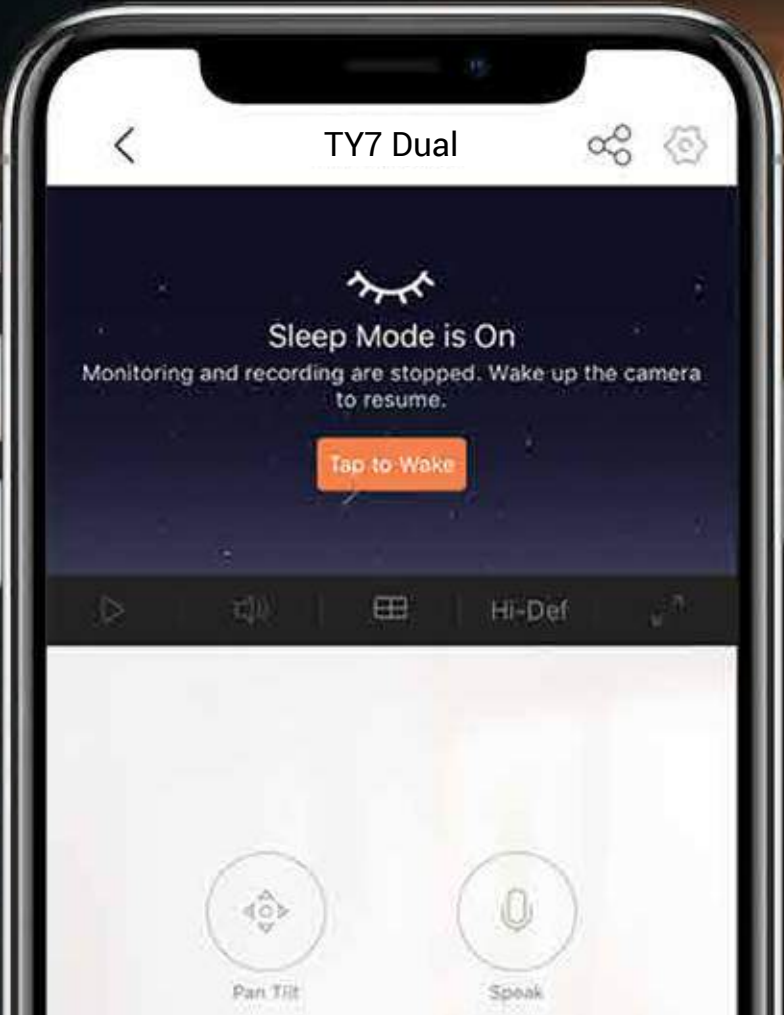
### H.265 video technology

The H.265 creates a smoother viewing experience while only using about 50% of the data storage space required by other cameras applying the H.264.<sup>4</sup>

# We do our utmost to protect your data and privacy



EZVIZ has been awarded by DNV for **information security** (ISO/IEC 27001:2013), **personal data protection** (ISO/IEC 27701:2019), **cloud security** (CSA STAR) and more.



**AES**  
Data Encryption

**TLS**  
Data Transmission  
Encryption

- 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 Google Assistant is not available in certain language and countries.
- 3 Local storage cards must be purchased separately. The cloud storage service is only available in certain markets. Please verify availability before making a purchase.
- 4 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-TY7-R100-8G44WF

## Camera

Resolution	Dual 2K <sup>+</sup> Resolution
Image sensor	1/3" Progressive Scan CMOS
Shutter Speed	Self-adaptive shutter
Wide-angle Lens	2.8mm@F1.6 , view angle: 108°(Diagonal), 92° (Horizontal), 50°(Vertical)
PT Lens	6mm@F1.6 , view angle: 60°(Diagonal), 51° (Horizontal), 28°(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/Audio Bit Rate	Adaptive bit rate.

## Network

Smart Alarm	Motion Detection, Human Shape Detection, Loud Noise Detection, Patrol Mode Detection
Wi-Fi Pairing	AP paring
Protocol	EZVIZ Cloud Proprietary Protocol
Interface Protocol	EZVIZ Cloud Proprietary Protocol

## Image

Max. Resolution	2560 × 1440
Frame Rate	Self-Adaptive during network transmission

## Interface

Storage	Micro SD card slot (Max. 512G)
Power	TYPE-C
Wired Network	RJ45 X 1 (10M/100M self-adaptive Ethernet port)

## Wi-Fi

Standard	IEEE802.11a, IEEE802.11b, 802.11g, 802.11n,802.11ac 802.11ax
Frequency Range	2.4GHz: 2.4 GHz ~ 2.4835 GHz 5GHz: 5.15GHz~5.25GHz
Channel Bandwidth	2.4GHz Supports 20MHz 5GHz Supports 80MHz
Security	WPA-PSK, WPA2-PSK, WPA3-Personal
Transmission Rate	2.4GHz Max. Rate Support: 11b_11M, 11g_54M, 11n_MCS7_20M, 11ax_MCS11_20M 5.15-5.25GHz Max. Rate Support: 11a_54M, 11n_MCS7_20-40M, 11ac_MCS9_20-40-80M, 11ax_MCS11_20-40-80M
Output Power(EIRP)	20 dBm
Antenna Gain	2.56dBi@2.48GHz , 3.18dBi@5.22GHz



# Specifications

CS-TY7-R100-8G44WF

## General

Operation Conditions	-10°C to 45°C (14°F to 113 °F), Humidity 95% or less (non-condensing)
Power Supply	DC 5V / 2A
Power Consumption	8W max
IR Range	MAX. 10 meters (32.81ft)
Dimensions	88 × 88 × 131.5 mm (3.46 × 3.47 × 4.69 inch)
Package Dimensions	105 × 105 × 200 mm (4.13 × 4.13 × 7.87 inch)
Net Weight	270 g
Bare Weight	530 g




## In the box

- Camera
- Power Adapter
- Power Cable
- Drill Template
- Mounting Plate
- Screw Kit
- Regulatory Information
- Quick Start Guide

## Certifications

CE / WEEE / RoHS / REACH / UL

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