EZVIZ

TP5 PoE Kit

3K

Smart PoE Video Doorphone



Smarter Entry, Powered by PoE

Meet the TP5 PoE Kit, an all-in-one smart doorphone solution designed to make upgrading your front door easier than ever. Complete with an included PoE switch, it's ready to install with a single Ethernet cable for both power and network—ensuring a cleaner setup and reliable performance. Stay connected through the 7-inch touchscreen or the EZVIZ App to see, talk to, and replay every visit, while multiple unlocking methods and smart human detection make everyday entry more convenient, secure, and reliable.

Key Features

PoE Deployment

PoE Switch Included

Flexible Multi-Device Pairing[1]

3K Resolution

7-Inch Color Screen

Smart Human Motion Detection

Gate-Opening and Unlocking[2]

Supports Password & Smart RFID Entry

QR Code Unlocking

Control Other EZVIZ Devices via Indoor Screen

Backup Network & Power Options

App Remote Control

Two-Way Talk

Weatherproof Design

Supports Local (Up to 512 GB) & EZVIZ CloudPlay Storage[3]

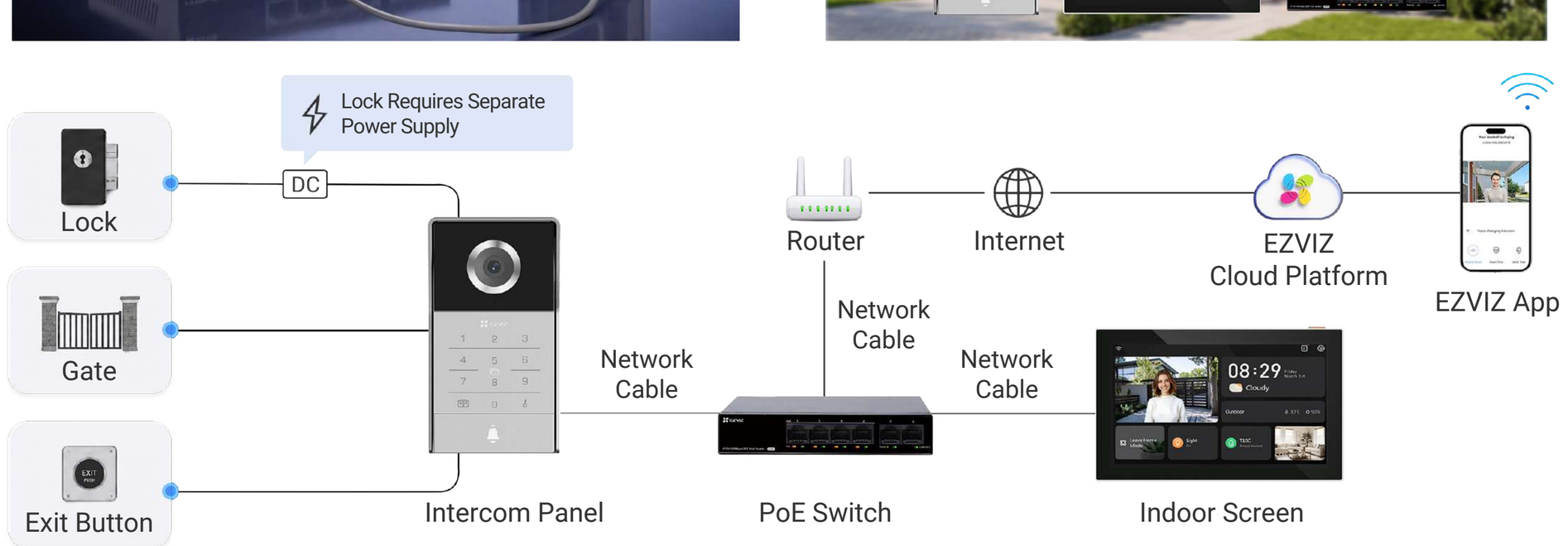
PoE Deployment & PoE Switch Included

One Cable, Less Hassle

The included PoE switch makes installation easier right out of the box. With just one Ethernet cable delivering both power and network, TP5 PoE Kit ensures a cleaner setup, fewer cables, and reliable connectivity—without extra adapters or complicated wiring.







* Recommended wire length between the intercom panel and the lock, gate, or exit button: 1–10 m.

Flexible Multi-Device Pairing

Expand Your System, Your Way

Designed to grow with your home, TP5 PoE lets you easily expand your system with additional outdoor intercom panels and indoor screens. Support for up to 4 intercom panels and 8 indoor screens ensures flexible coverage for larger homes and multiple entrances.

Expand as You Need



Up to

4 Intercom Panels Can Be Paired



Up to

8 Indoor Screens Can Be Paired

Note: Pairing requires devices to be on the same network and account.



Remote Control via the EZVIZ App



PoE Connection



PoE Connection



Multiple Ways to Unlock

Access Your Home, Your Way

Unlock the way that works best for you. Whether entering with a passcode or RFID card, tapping the indoor touch screen, granting remote access through the EZVIZ App, or sharing a temporary QR code with visitors, TP5 makes every arrival effortless and every visit easy to manage.

Enter the password even if you forget your phone



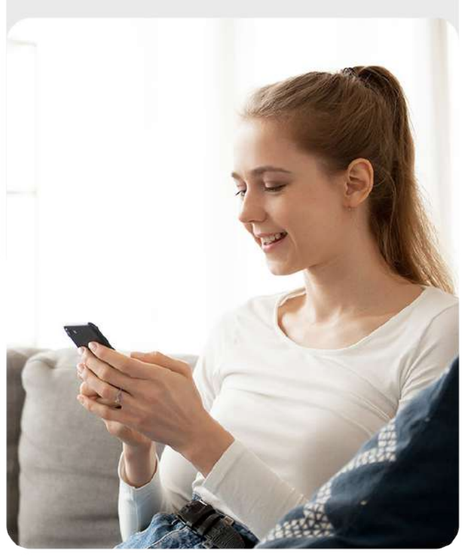
Swipe open with smart RFID by less tech-savvy families
(2 tags included)



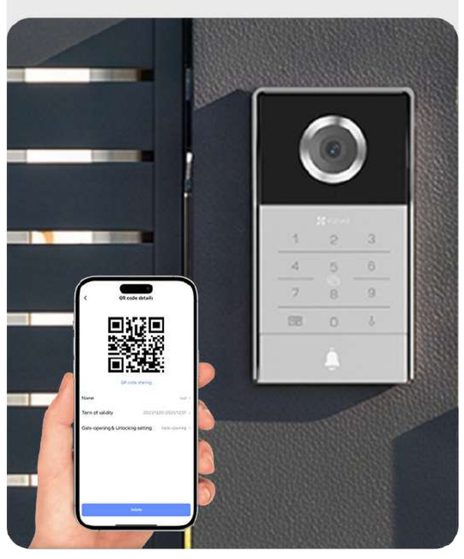
Tap the touch screen to open the gate



Grant access to your visitors remotely on your phone



Scan the QR code by temporary visitors



Crystal-Clear 3K Resolution

Your Front Door Deserves Every Detail

The advanced 3K (5MP) camera captures your entrance in exceptional detail, making faces, packages, and surroundings easier to recognize. Paired with the 7-inch touch screen, every image appears crisp, vivid, and true to life.





7-Inch Color Touch Screen

One Screen, Complete Front-Door Control

The intuitive 7-inch touch screen brings everyday front-door management together in one place. Enjoy crystal-clear live viewing, communicate with visitors, unlock your gate or door, and access video history whenever you need it.



Versatile features

Crisp live viewing	Gate/Door unlock[2]	Video history and storage (supports local storage of up to 512 GB)

Smart Human Motion Detection

Stay Focused on What Matters Most

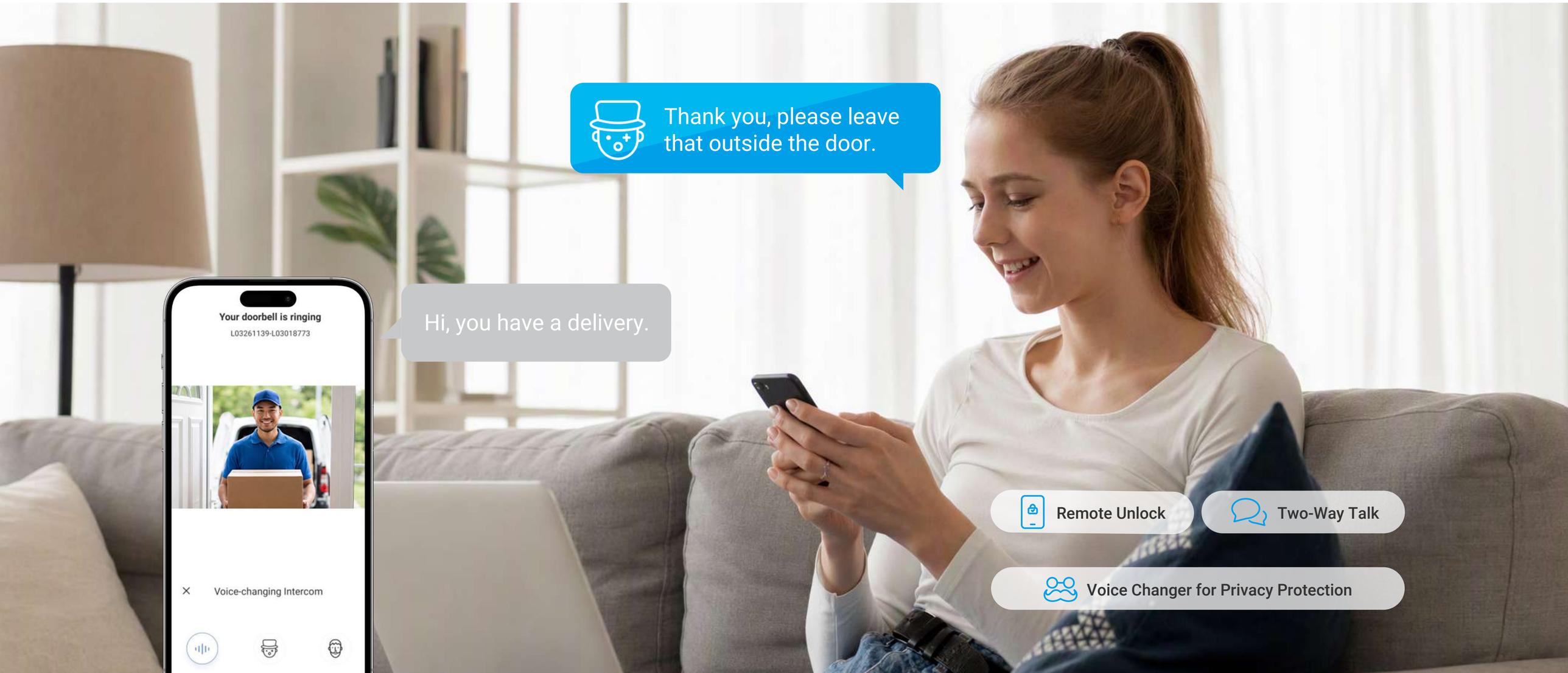
The TP5 not only gives you a clearer view of your front door, but also keeps you informed of what matters. When human activity is detected, it instantly sends mobile alerts so you never miss an important arrival. Easily adjust the detection sensitivity and customize detection zones to reduce unwanted notifications.



Two-Way Talk with Voice Changing

Respond with Confidence, Wherever You Are

Whether you're at home or away, TP5 lets you stay connected to every visitor through the EZVIZ App. Talk to guests in real time, unlock the door remotely when needed, and enable voice changing when speaking with unfamiliar visitors to help protect your identity and enjoy greater peace of mind.



Backlights Keypad & Multiple Ringtones

Thoughtful Details for Everyday Convenience

From day to night, every interaction feels more enjoyable. The backlit keypad makes entering a passcode or pressing the doorbell easy, even in low light, while multiple ringtone options let you personalize alerts to match your preferences.



Backlit Doorbell Button & Keypad



Customize your pleasant ring with multiple ringtone choices[4]

Refined Minimalist Design

Designed to Complement Every Modern Home

With a sleek, minimalist design and a premium matte finish, TP5 PoE blends seamlessly into modern living spaces. The weatherproof outdoor intercom panel is built to withstand the elements, while the edge-to-edge touch screen maximizes the viewing and interaction area for a cleaner look and a more intuitive user experience.





Backup Network & Power Options

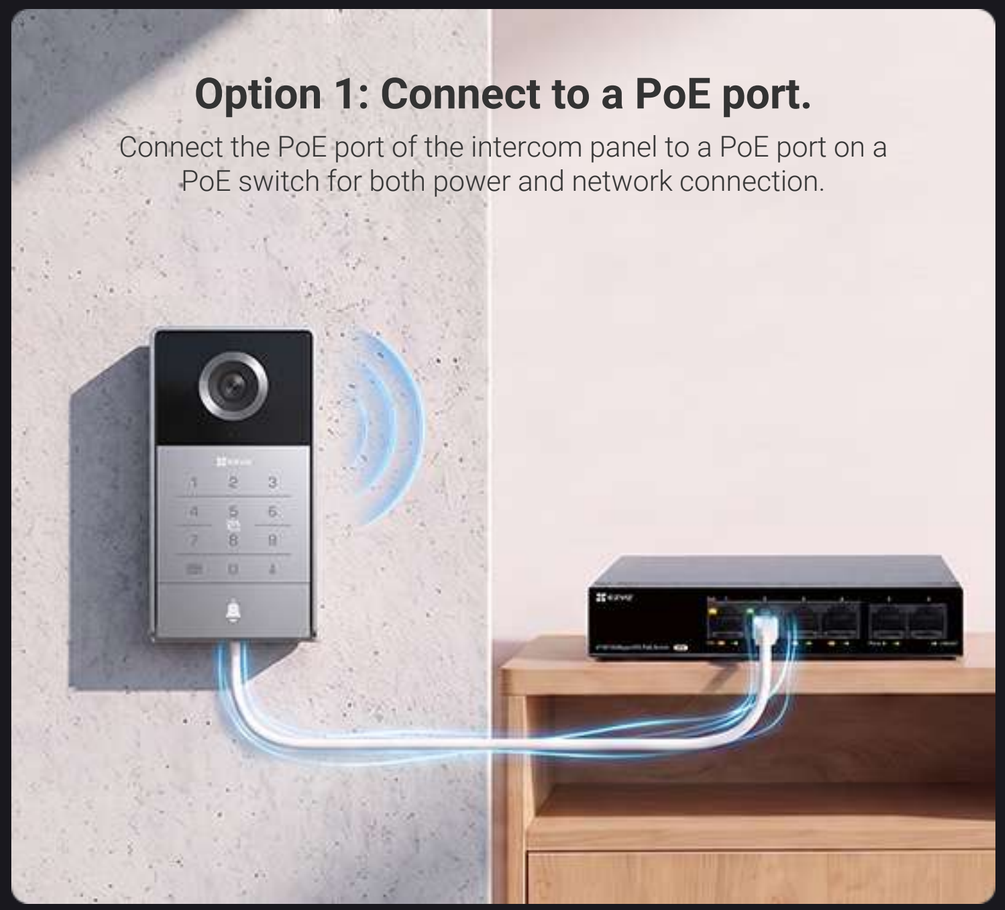
Stay Connected with Greater Flexibility

In addition to PoE, TP5 supports alternative power and network connections, giving you greater installation flexibility while providing reliable backup to keep your system running when needed.

Intercom Panel

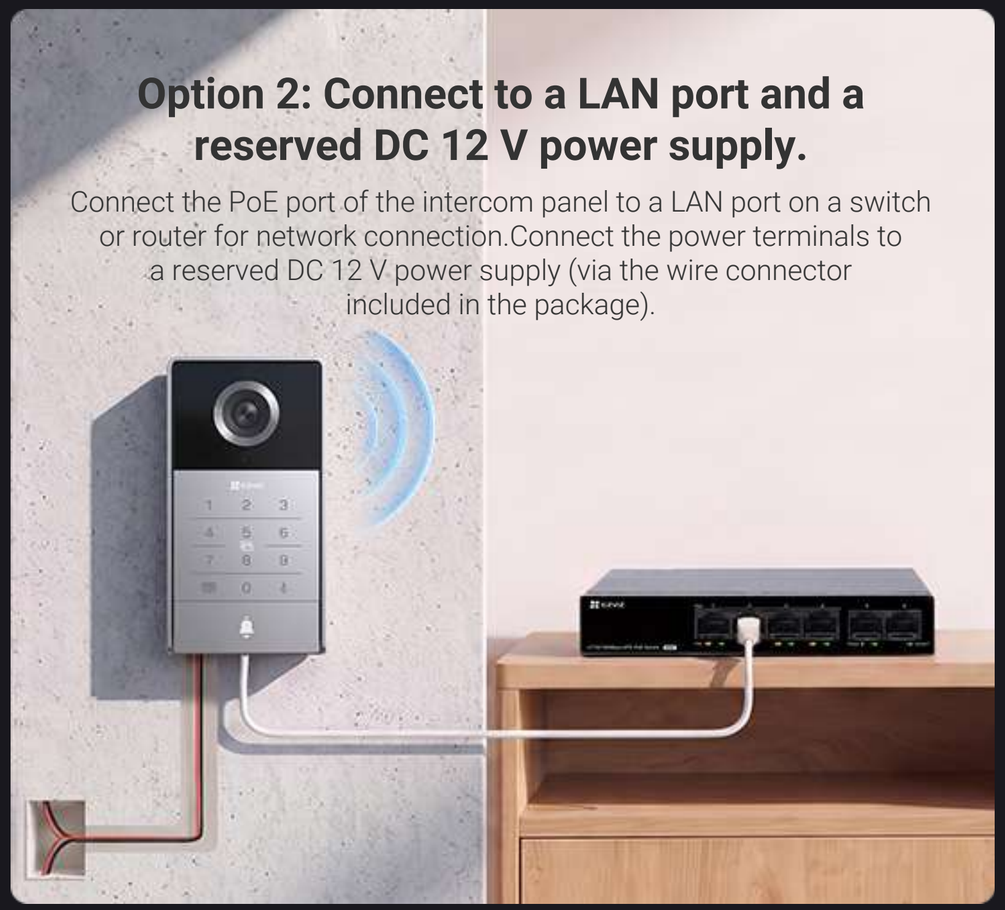
Option 1: Connect to a PoE port.

Connect the PoE port of the intercom panel to a PoE port on a PoE switch for both power and network connection.



Option 2: Connect to a LAN port and a reserved DC 12 V power supply.

Connect the PoE port of the intercom panel to a LAN port on a switch or router for network connection.Connect the power terminals to a reserved DC 12 V power supply (via the wire connector included in the package).



Indoor Screen

Option 1: Connect to a PoE port.

Connect the PoE port of the screen to a PoE port on a PoE switch for both power and network connection.



Option 2: Connect to a LAN port and a reserved DC 12 V power supply.

Connect the PoE port of the screen to a LAN port on a switch or router for network connection and a reserved DC 12 V power supply.



Option 3: Connect to a LAN port and a power outlet.

Connect the PoE port of the screen to a LAN port on a switch or router for network connection and a power outlet via a DC 12 V power adapter (purchase separately) for power supply.



Option 4: Connect to Wi-Fi and a power supply.

Connect the screen to Wi-Fi and a power supply, either a reserved DC 12 V power supply or a power outlet via a DC 12 V power adapter (purchase separately).



Control Other EZVIZ Devices via Indoor Screen

A Central Hub for Smarter Home Security[5]

Keep your home security connected through the elegant and compact touch screen. Its intuitive dashboard lets you easily control and manage all your compatible EZVIZ security devices from one place. Designed for broad compatibility with existing gate opener and lock systems, TP5 PoE makes upgrading your entrance simpler while helping you keep your current setup.



H.265 Video Compression

Enhanced Viewing Pleasure with Smaller Video Files

Compared to the prevailing H.264 video compression technology, H.265 creates a more fluid viewing experience. 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%[6].

50%
Video Storage Space

50%
Required Bandwidth



Local & Cloud Storage

Trusts on Your Extra-Large, Safe Storage Options

You can secure your recorded videos on a local storage of up to 512 GB,
or subscribe to EZVIZ CloudPlay for fully-encrypted cloud storage.



Supports Local Storage[3]

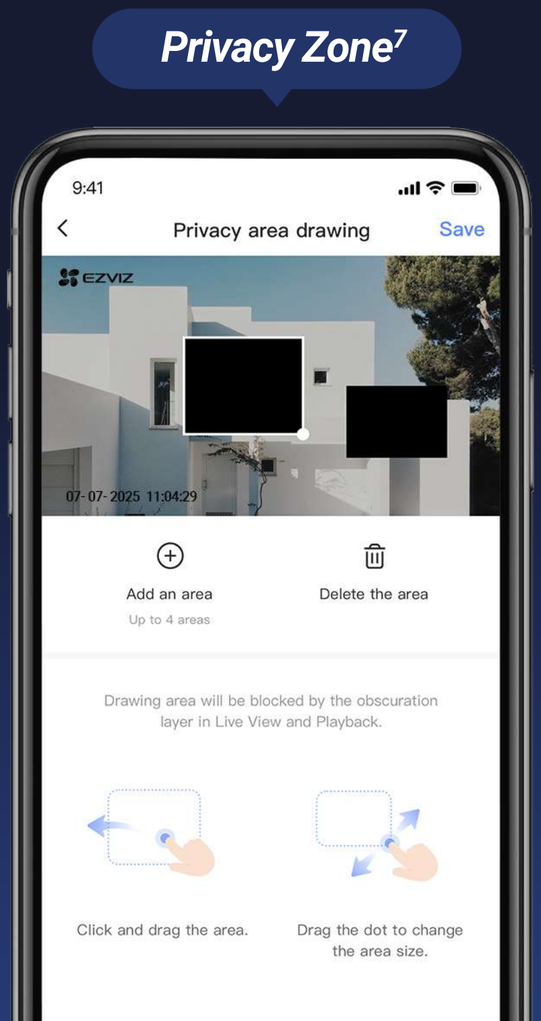


Supports EZVIZ CloudPlay Storage[3]

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 Supports pairing with up to 4 intercom panels and 8 indoor screens under the same local network.

2 To check the installation requirements and product compatibility, please refer to the User Manual for detailed information.

3 This device is compatible with standard local storage cards widely available on the market, supporting capacities from 16 GB to 512 GB. The local storage card must be purchased separately. To ensure reliable read/write performance and device stability, a branded storage card with a speed class of Class 10 or above is recommended. The cloud storage service is only available in certain markets. Please verify the availability before making any purchase.

4 Users are able to customize the ringtone sent by the indoor display by touch controls or via the EZVIZ App. The outdoor doorbell only provides one default ringtone and cannot be customized.

5 Please note that the TP5 screen only supports managing EZVIZ devices.

6 Data from EZVIZ Lab's test results under standard conditions. Will vary with the frequency and complexity of the activity captured, and other environmental factors.

7 Users can draw in rectangles to customize up to 4 privacy zones.

Specifications CS-TP5-R100-4W2TFC（Outdoor Intercom Panel）

Image & Video Parameters

Image Sensor	1/2.8" progressive scan CMOS (supports low light sensitivity)
Lens	2.0 mm @ F1.6,view angle (diagonal): 158°
Day & Night	IR-cut filter with auto-switching
Max. Resolution	2880 × 1616 (3K)
IR Night Vision	5 m (16.4 ft)
DNR	2D/3D DNR
Video Compression	H.265 / H.264
Frame Rate	Max: 15 fps; self-adaptive during network transmission

Audio Parameters

Audio Input	Built-in high-sensitivity microphone
Audio Output	Built-in high-power speaker

Smart Features

Smart Detection	Smart human motion detection
Video Intercom	Long-distance video two way talk
Storage	Supports local storage card (up to 512 GB) on indoor screen & EZVIZ cloud storage

Interfaces & Connections

Network Port	1 RJ-45 10/100 Mbps self-adaptive Connect to a PoE switch or router for a wired network connection
Terminal Blocks	10 pins (wire connector included); Two wiring ports for independent power supply (12 V DC, GND); Three wiring ports for electric strike plate connection (NC1, NO1, COM1); Three wiring ports for gate connection (NC2, NO2, COM2); Two wiring ports for exit button connection (PUSH, GND)
Doorbell Button	Support 1 button. Can set the light on or off.
Connection Method	PoE Connection (also support independent DC 12 V power supply and network cable connection as a backup solution); Digital signal transmission
Max. Screen Supported	Up to 8
Transmission Distance	Max 100 m
Open the Door (Gate)	Supports 2 wiring ports, 1-10 m distance. The intercom panel provides a “dry”-contact connection, without an electric current, to connect to the button for automated gate, gate breaking capacity: 12 V / 2 A
Unlock (Electric strike plate)	Supports 2 wiring ports, 1-10m distance. The electric strike plate or lock connected must feature mechanical memory functionality. Additionally, it requires an independent power supply, with a recommended operating voltage of DC 12 V and an inrush current not exceeding 5 A.
Door / Lock Open Method	1.RFID badge unlock (CPU card x 2 pcs) 2.App remote unlock 3.Indoor screen unlock 4. Password unlock 5. QR code unlock

Network Parameters

Wired Network	10/100 Mbps Ethernet
Network Protocol	TCP/IP, EZVIZ cloud proprietary protocol, EZVIZ EZCONNECT protocol
Interface Protocol	EZVIZ cloud proprietary protocol

Specifications CS-TP5-R100-4W2TFC（Outdoor Intercom Panel）

General

Operation Conditions	-30°C to 60°C, humidity 95% or less (non-condensing)
Ingress Protection Grade	Weatherproof, with shield cover
Power Supply	IEEE 802.3af, standard PoE 12 V DC, 1.5 A
Power Consumption	<8 W

Specifications CS-TP5-R100-4W2TFC（Indoor Screen）

Screen Parameters

Screen Size	7-inch touchscreen
Resolution	1024 × 600

Audio Parameters

Audio Input	Built-in high-sensitivity microphone
Audio Output	Built-in high-power speaker

Smart Features

Multiple Ringtones	Up to 20 ringtones
Functions	Live view, playback, two-way talk, video call
Storage	Supports local storage card (up to 512 GB)

Interfaces & Connections

Network Port	1 RJ-45 10/100 Mbps self-adaptive Connect to a PoE switch or router for a wired network connection
Button	Screen on/off button
Terminal Blocks	Two wiring ports for independent power supply (12 V DC, GND)
Connection Method	PoE connection (also supports independent DC 12 V power supply and network cable connection / 2.4 GHz and 5 GHz dual-band Wi-Fi as a backup solution); Digital signal transmission
Max. Intercom Panel Supported	Up to 4
Transmission Distance	Max 100 m

Network Parameters

Wi-Fi Standard	IEEE 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac
Frequency Range	2.4 GHz ~ 2.4835 GHz, 5.15 GHz ~ 5.35 GHz, 5.47 GHz ~ 5.725 GHz
Channel Bandwidth	Supports 20 MHz @ 2.4 GHz and 80 MHz @ 5 GHz
Security	WPA/WPA2/WPA3,WPA-PSK/WPA2-PSK/WPA3-PSK
Transmission Rate	11b: 11 Mbps,11g: 54 Mbps,11a: 54 Mbps, 11n: MCS7, 11ac: MCS9, 11ax: MCS11

General

Operation Conditions	-10°C to 45°C, Humidity 95% or Less (Non-Condensing)
Power Supply	IEEE 802.3af, Standard PoE 12 V DC, 1.5 A
Power Consumption	< 8 W

Specifications CS-TP5-R100-4W2TFC（PoE Switch）

Network Parameters

Ports	4 x PoE Port, 2 x Uplink RJ45 Port
Wired Network	10/100 Mbps Ethernet
Network Protocol	TCP/IP
MAC Address Table	1K
Switching Capacity	1.2 Gbps
Packet Forwarding Rate	0.89 Mbps
InternalCache	448 Kbit

Software Function

Long Range	Port 1 to 4: up to 100 m Long range performance may vary depend on connected model or cable condition

PoE Power Supply

PoE Standard	IEEE 802.3af, IEEE 802.3at
PoE Port	PoE: Port 1 to 4
Uplink Port	RJ45: Port 5 to 6
PoE Port Budget	60 W

General

Shell	Metal
Operation Conditions	0°C to 40°C, humidity 90% or less (non-condensing)
Power Supply	100-240 V AC, 50/60 Hz
Power Consumption	1.2 W, Max 64.1 W
Surge Protection	Common mode ±4 KV, Differential mode ±2 KV

General (TP5 PoE Kit)

Product Size	210.35 × 42.49 × 91.4 mm (Intercom panel) 180.3 × 111.6 × 18.6 mm (Indoor screen) 140 × 76.7 × 28 mm (PoE switch)
Packaging Size	420 × 226 × 83 mm
Net Weight	457 g (Intercom panel) 319 g (Indoor screen) 341 g (PoE switch)
Weight with Package	2195 g

In the box

- 7-Inch Touchscreen x (1)
- Intercom Panel with a Weatherproof Shield x (1)
- PoE Switch x (1)
- Power Cable x (1)
- Wall Bracket for Screen x (1)
- Drill Template for Screen x (1)
- Drill Template for Intercom Panel x (1)
- Badge x (2)
- Spare Attachment Screws for Intercom Panel x (2)
- Screwdriver x (1)
- Wire Connector x (1)
- DC 12 V Power Supply Jack Connector Cable x (1)
- Screw Kit x (2)
- Regulatory Information x (3)
- Quick Start Guide x (2)

Certifications

CE / WEEE / RoHS / REACH

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