



# EP7 **2K**

## Smart Home Video Doorphone


### Solar-powered. Smartly connected. Easily controllable.


Taking a step further with its groundbreaking video doorphones, EZVIZ now introduces the EP7, a new innovation of the series that comes with a built-in keypad, removable battery, compatible solar charging panel, and enhanced Wi-Fi stability. Completely removing the wiring need between the indoor monitor and the outdoor doorphone, this sleek kit seamlessly merges plenty of smart features to enhance home security, while adapting easy installation and power supply to reduce as much hassle as possible – changing the game of traditional video intercoms. Future-ready and eco-conscious, the EP7 elevates your front door with effortless sophistication.



 Remote Door/Gate Unlock<sup>1</sup>


 No Wiring Between the Outdoor & Indoor Devices<sup>2</sup>


 Solar-Powered with the Included Charging Panel<sup>3</sup>


 7-Inch Color Touch Screen


 Passcode Unlock

 High-Performance Wi-Fi Halow™


 Weatherproof Design<sup>4</sup>

 Remote Control via the EZVIZ App

 2K Resolution

 Two-Way Talk (Supports voice changer feature)

 Built-In Doorbell with Multiple Ringtones<sup>5</sup>

 Supports MicroSD Card (Up to 512 GB) & EZVIZ CloudPlay Storage<sup>6</sup>

## Built to be incredibly simple in installation

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Even if you're living in a historical house where electricity and network wiring aren't planned for the big entrance, the EP7 can start working without big problems. Its outdoor doorphone comes with a large and detachable lithium battery that's easy to charge and supports running on solar energy. Additionally, it communicates with your indoor monitor through your home Wi-Fi without any long, annoying connecting cable.



**100% Battery-Powered Doorphone  
with Solar Charging Option**



**Zero Wiring Between the Outdoor  
Doorphone & the Indoor Monitor**



## Ready for big houses and villas

The EP7 doorphone may be the best option you can find in the market to upgrade your old intercom system if you live in a spacious house. It allows you to control both the car gate and the front door, and uses the Wi-Fi HaLow™ technology to stay strongly connected to the indoor monitor despite long transmission range and thick walls, while smartly optimizing its battery use.



Gate/Door Dual Controls<sup>1</sup>



Wi-Fi HaLow™ for Steady Indoor/Outdoor Connection



## A smarter, greener choice for your front door

Made for the outdoors, the EP7 doorphone is ready to not only withstand harsh weathers, but also harness the power of the nature.



**IP65 Weatherproof Design**



**Detachable Battery for Easy Recharging**



**Included Solar Panel for Continuous Green Power**



Detachable Battery



Works with Solar Panel

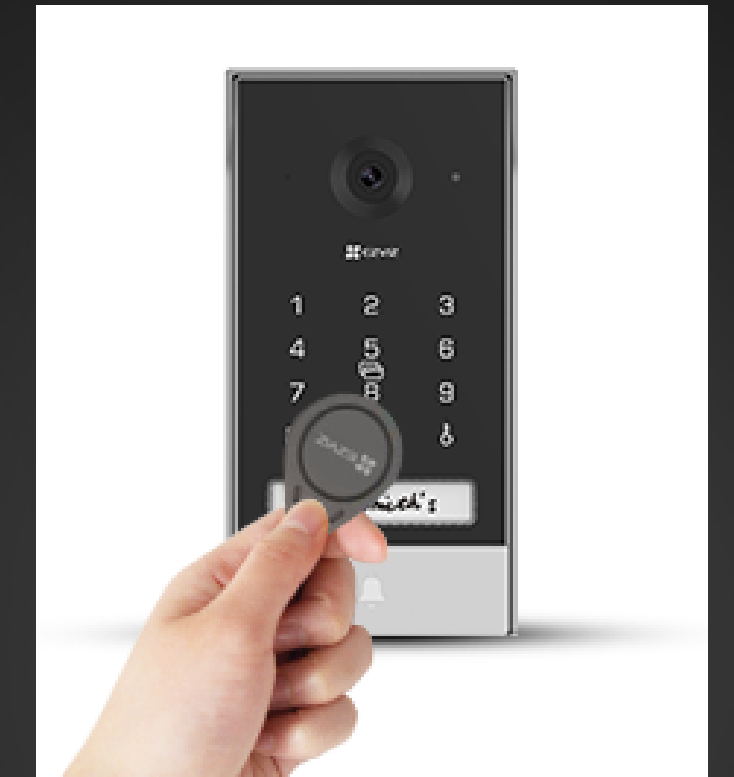
# Multiple ways to unlock and manage your home entry

## 01 Arriving home can be this easy

Entering your home is now faster and smoother than you'd imagine. Simply swipe open your door using a smart RFID card, or enter a passcode. If you are accidentally locked out of your house, the keypad ensures you can always get in easily.



Passcodes



Smart RFIDs

## 02 Hassle-free unlocking to welcome any guest

The EP7 makes it a lot easier to grant access to visitors, even if you're not home. You can either open the door for them remotely, or create temporary passcodes for them to use on site – such features come in handy if you have a babysitter or dog walker that visits regularly.



Unlock via the indoor monitor



Open the door using the EZVIZ App



Use temporary visitor codes



## Connect and control with an all-in-one touch screen

Operating as the main control panel, the 7-inch touch screen lets you customize your doorphone's settings, facilitates distant communications, and video recordings. When the doorbell is pressed, the indoor screen will simultaneously light up to let you know who's outside.

### Versatile features

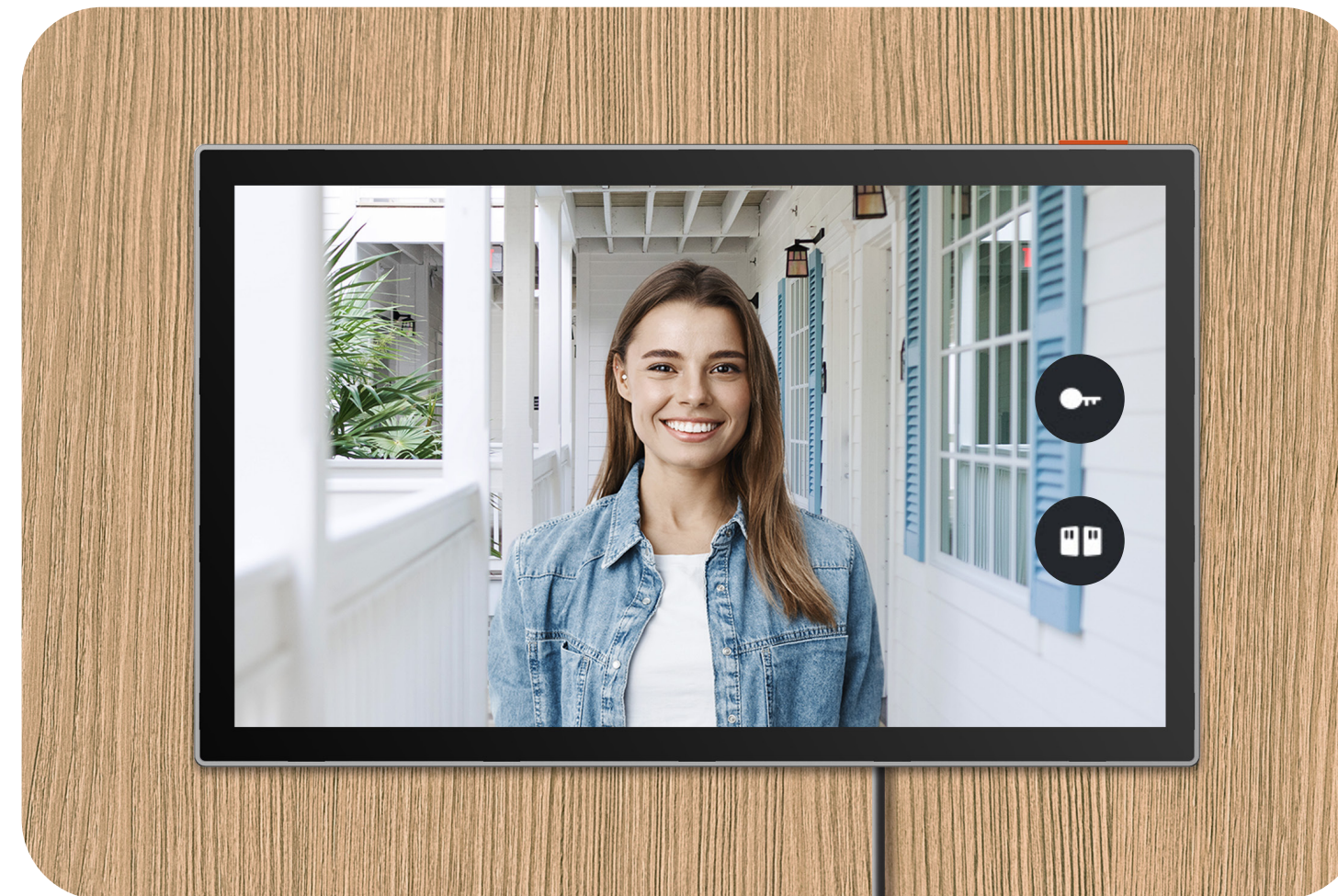
Crisp live viewing

Gate/Door unlock

Two-way talk

Video history and storage

(Supports microSD card of up to 512 GB)



## Respond from afar with the EZVIZ App

Even if you're not home, the EP7 makes sure you don't miss a visitor. A plenty of features allows you to invite people in and turn away unwanted guests – all easily at your fingertips.

 Remote Unlock

 Visitor Access Control

 Two-way Talk

 Voice Changer for Privacy Protection

Hi, you have a delivery.



Thank you, please leave that outside the door.



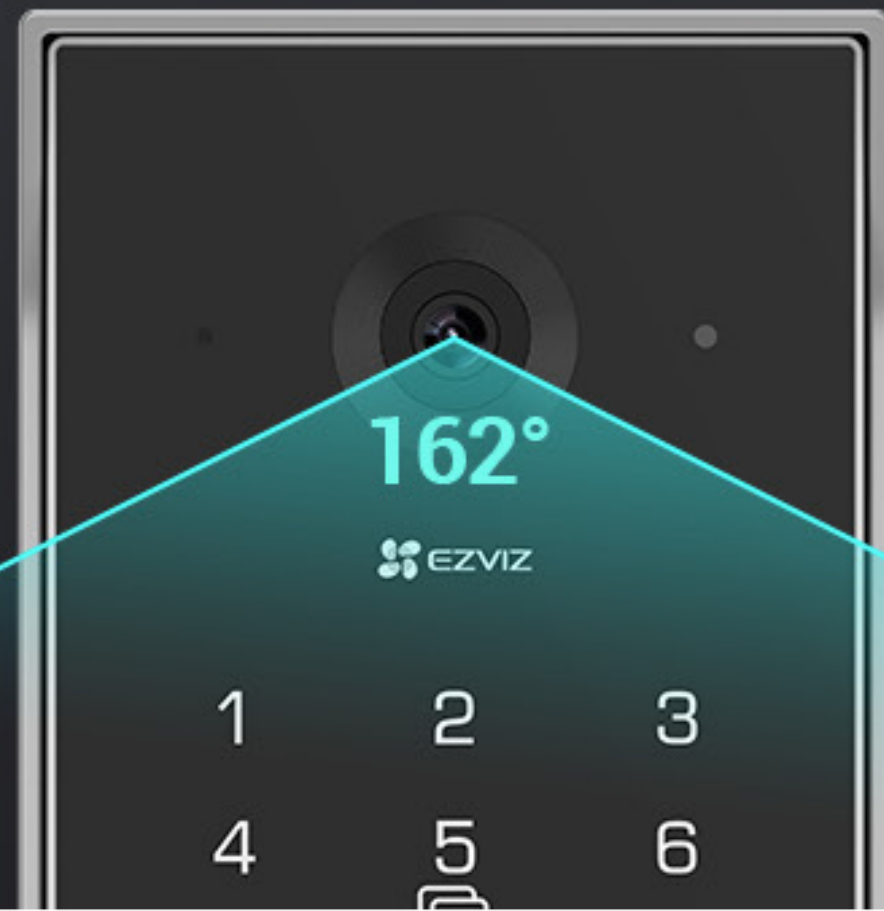


# Stunning 2K



## Capture details throughout the day

The EP7 is built to provide crisp, ultra-wide images to protect your property around-the-clock. With a wide 162-degree viewing angle and superior 2K lens, it captures your surroundings in vivid detail, keeping you up to date on events in your area. The EP7 works perfectly in low-light circumstances, providing infrared night vision of up to 5 meters.



## Thoughtful features for additional convenience



Know the right door to knock with backlit name cards  
(3 name cards included)



Customize your pleasant ring with 20 different ringtone choices<sup>5</sup>

## Extra-Large, safe storage options that you can trust

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You can secure your recorded videos on a local microSD card of up to 512 GB, or subscribe to EZVIZ CloudPlay for fully-encrypted cloud storage<sup>6</sup>.



Supports microSD Card



Supports EZVIZ CloudPlay Storage

## Elegant design elevates your front door

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The EP7 has a sleek design with a simple, identical glossy black for both the keypad and the solar panel. Differentiating itself from traditional intercom systems, the EP7 satisfies the need for a minimalist yet elegant home environment. The indoor monitor screen makes the most of its touch interface to provide an intuitive user experience.





## Dual options for better network connection

To maximize the connected experience with remote controls, you can connect the indoor monitor to either the 2.4 or 5 GHz band. Enjoy strong Wi-Fi with lower latency, larger bandwidth, and a stable signal.



2.4 GHz

5 GHz

## 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%<sup>7</sup>.

**50%** ↓  
Video Storage Space

**50%** ↓  
Required Bandwidth



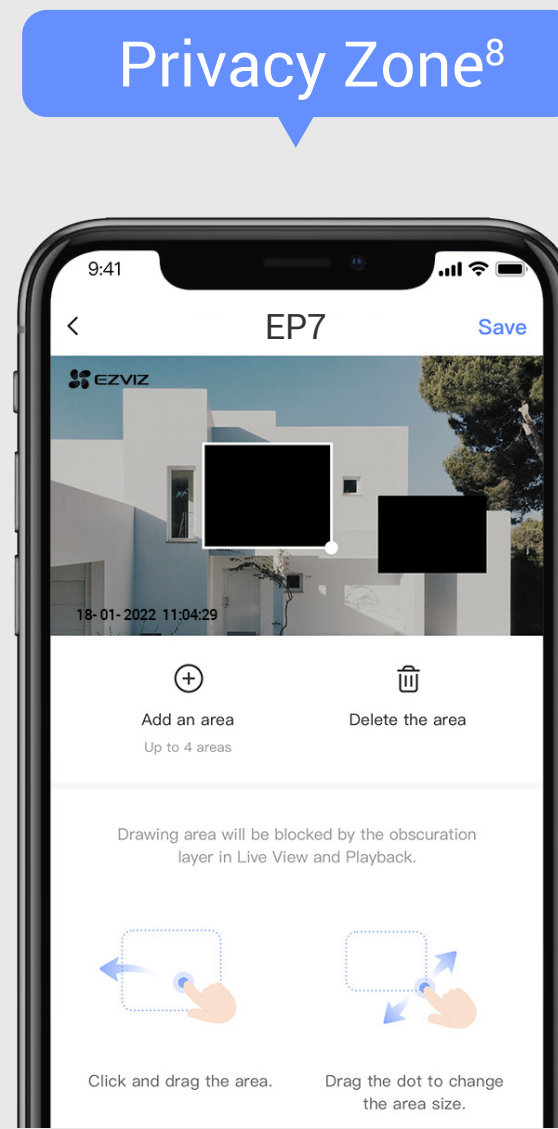


# We do our best to protect your data and privacy

We design the product to respectfully protect your data and privacy. You can also set up no filming zones to make sure recording only happens when it's appropriate and allowed.



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-128

Data Encryption

## TLS

Data Transmission Encryption

- 1 To check the installation requirements and product compatibility, please refer to the User Manual for detailed information.
- 2 Specifically, the outdoor doorphone is battery-powered and supports solar charging, thus does not require electricity wiring during the setup. Furthermore, the outdoor doorphone connects with the indoor touch screen through Wi-Fi, and does not require internet wiring between the two devices. However, wiring is needed to connect the doorphone to obtain gate/door controls, and users also need to use power cable to connect the indoor screen to the power outlet.
- 3 Only the outdoor video doorphone supports solar power charging and is compatible with the included solar panel. The indoor screen needs to be connected to a power outlet.
- 4 Only the outdoor video doorphone and the solar panel are weatherproof. The touch screen needs to be installed indoors.
- 5 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.
- 6 The cloud storage service is only available in certain markets. Please verify the availability before making a purchase.
- 7 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.
- 8 Users can draw in rectangles to customize up to 4 privacy zones.



# Specifications CS-EP7

## Outdoor Doorbell

### Camera

Image Sensor	1/2.7" Progressive Scan CMOS (Supports low light sensitivity)
Lens	2.0 mm @ F2.2,viewing angle: 162° (Diagonal)
Day & Night	IR-cut filter with auto-switching, 850nm infrared light x 2 (Max. 6 m)
Max. Resolution	2048 × 1296 (2K)
DNR	2D / 3D DNR
Video Compression	H.265 / H.264
Frame Rate	Max.15 fps; Self-Adaptive during network transmission

### Connection and Function

Open the door (Gate)	Supports 2 wiring ports. 1-10m distance. The intercom panel provides a dry-contact connection, without an electric current, to connect to the button for automated gate, gate breaking capacity: 12V/2A
Unlock (Electric strike plate)	Support. 2 wiring ports. 1-10m distance. The electric strike plate or lock that you order must have a mechanical memory; the power supply to the electric strike plate or lock must not exceed 12V/0.8A, other wise should do as user manual.
Door Open Methods	<ol style="list-style-type: none"><li>1. RFID badge unlock (CPU card x 3 pcs)</li><li>2. Password unlock</li><li>3. App remote unlock</li><li>4. Indoor display unlock</li></ol>

### Network

Wi-Fi Standard	IEEE802.11AH
Frequency Range	904 M-928 M (US), 865 M-867 M (EU)
Channel Bandwidth	8 M (US), 2 M (EU)
Security	64 / 128 bit WEP, WPA / WPA2, WPA-PSK / WPA2-PSK
Wi-Fi HaLow Pairing	AP pairing
Max Transmission Distance for Intercom and monitor	Up to 350m in open area; up to 80m in two enclosed walls

### Outdoor Doorbell Interface

Audio Input	Built-in high-sensitivity microphone
Audio Output	Built-in high-power speaker
Doorbell Button	Supports 1 button.
Name Card	Supports handwritten. 3 cards stickers included (1 sticker already on the intercom panel).
Terminal	Two wiring ports to connect gate. Two wiring ports to connect electric strike plate. Two wiring ports to connect the solar panel.
Password Keypad	0-9 10-digial password keyboard; support 5 sets of 6-10 digital passwords; press the keypad to turn on the light, the light can be turn off



# Specifications CS-EP7

## General

Operation Conditions	-20°C to 60°C , Humidity 95% or less (non-condensing)
Ingress Protection Grade	Waterproof IP65, with shield cover
Power Supply	Battery (7.3V), EZVIZ Doorbell Solar Panel
Battery Capacity	2600 mAh 7.3V (5200mAh 3.7V) rechargeable and detachable lithium battery 85 days at the rate of using 3 minutes per day, and open the electric strike plate 10 times
Product Dimension	175 × 86 × 34 mm



# Specifications CS-EP7

## Interior Display

### Info

Display size	7" touch screen
Resolution	1024 × 600

### Interface

Audio Input	Built-in high-sensitivity microphone
Audio Output	Built-in high-power speaker
Button	Screen On/Off Button
Terminal	Two wiring ports to connect the power
SD card	Supports up to 512GB

### Wi-Fi Parameters

Wi-Fi Standard	IEEE802.11b, 802.11g, 802.11n, 802.11ac
Frequency Range	2.4GHz ~ 2.4835GHz 5.15GHz ~ 5.25GHz
Channel Bandwidth	Supports 20MHz
Security	64/128-bit WEP,WPA/WPA2,WPA-PSK/WPA2-PSK
Transmission Rate	11b: 11Mbps,11g: 54Mbps,11n: 150Mbps, 11ac:433.3Mbps

### Network Parameters

Interface Protocol	EZVIZ Cloud Proprietary Protocol
Protocol	EZVIZ Cloud Proprietary Protocol
Protocol	EZVIZ Cloud Proprietary Protocol

### Function

Multiple Ringtones	Up to 20 ringtones
Functions	Live view, Playback, Two-way talk, Video call

### General

Operation Conditions	-10°C to 45°C, Humidity 95% or less (non-condensing)
Product Dimensions	180 × 112 × 15 mm
Power Supply	12-24VDC 1A power supply, adaptor (12V 1A included in package)
Power Consumption	8W, Max. 24W



# Specifications CS-EP7

## Solar Panel

### Performance Parameter

Power Voltage	8.1V max
Max. Power Current	240mA
Max. Power	1.2W
Operation Temperature	-20°C -50°C
IP Grade	IP65
Product Dimensions	126 × 59 × 44mm

## General

Net Weight in Total	675g
Weight with Package	1865g



## In the box

- Monitor
- Wall Bracket for Monitor
- Power Adapter for Monitor
- Intercom Panel (Doorbell) with a Weather-proof Shield
- Drill Template for Intercom Panel
- Drill Template for Monitor
- Screwdriver
- Badges (× 3)
- Screw Kit (× 2)
- Name card (× 3)
- Wires and Wire Connectors
- Regulatory Information (× 2)
- Quick Start Guide (× 1)
- Battery for Intercome Panel (× 1)
- USB Cable for Battery (× 1)
- Power Supply Jack Connector Cable (× 1)
- Solar Panel (× 1)
- Pin (× 1)

## Certifications

CE / WEEE / RoHS / REACH

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