



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 Unlock¹

 No Wiring Between the Outdoor & Indoor Devices²

 Solar-Powered with the Included Charging Panel³

 7-Inch Color Touch Screen

 Passcode Unlock

 High-Performance Wi-Fi Halow™

 Weatherproof Design⁴

 Remote Control via the EZVIZ App

 2K Resolution

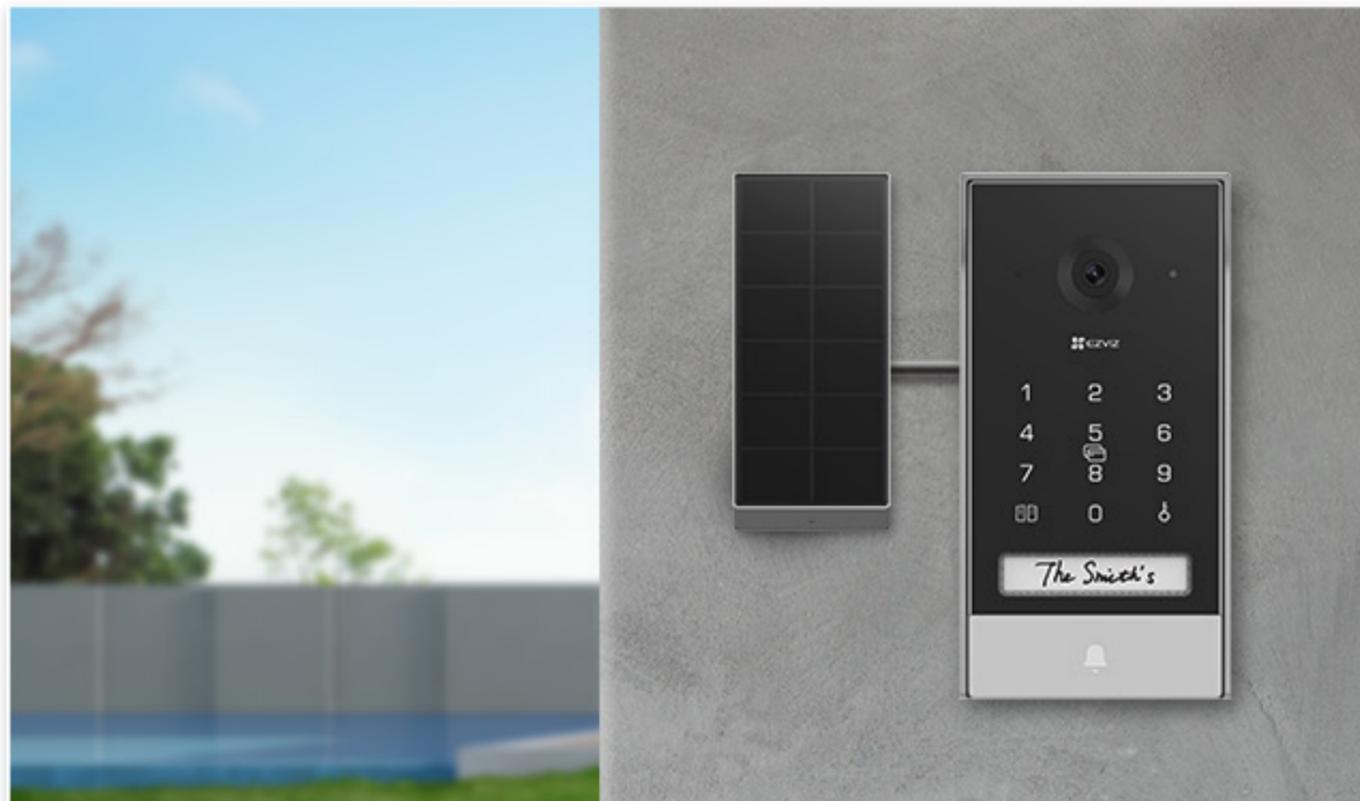
 Two-Way Talk (Supports voice changer feature)

 Built-In Doorbell with Multiple Ringtones⁵

 Supports MicroSD Card (Up to 512 GB) & EZVIZ CloudPlay Storage⁶

Built to be incredibly simple in installation

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, while the high-performance Wi-Fi HaLow™ connects the indoor monitor and the outdoor doorphone with great stability.



Gate/Door Dual Controls¹



Wi-Fi HaLow™ for Steady
Indoor/Outdoor Connection



Zero cables, but strong connectivity²

The EP7 doorphone innovatively integrates the use of 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.

The Wi-Fi HaLow™ Transmission Performance of the EP7 Kit⁷

In open environment

400 m

With 1 wall in between

110 m

With 2 walls in between

75 m

With 3 walls in between

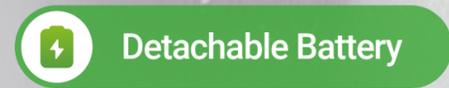
65 m

Max. Distances

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 Power³**



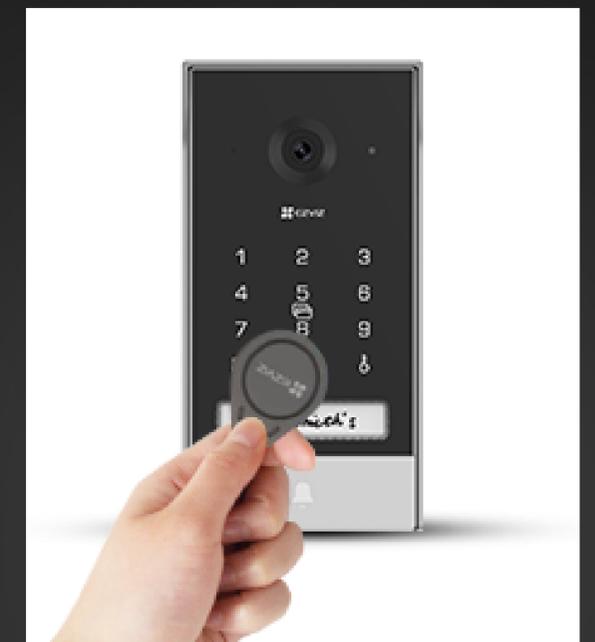
Multiple ways to unlock and manage your home entry

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

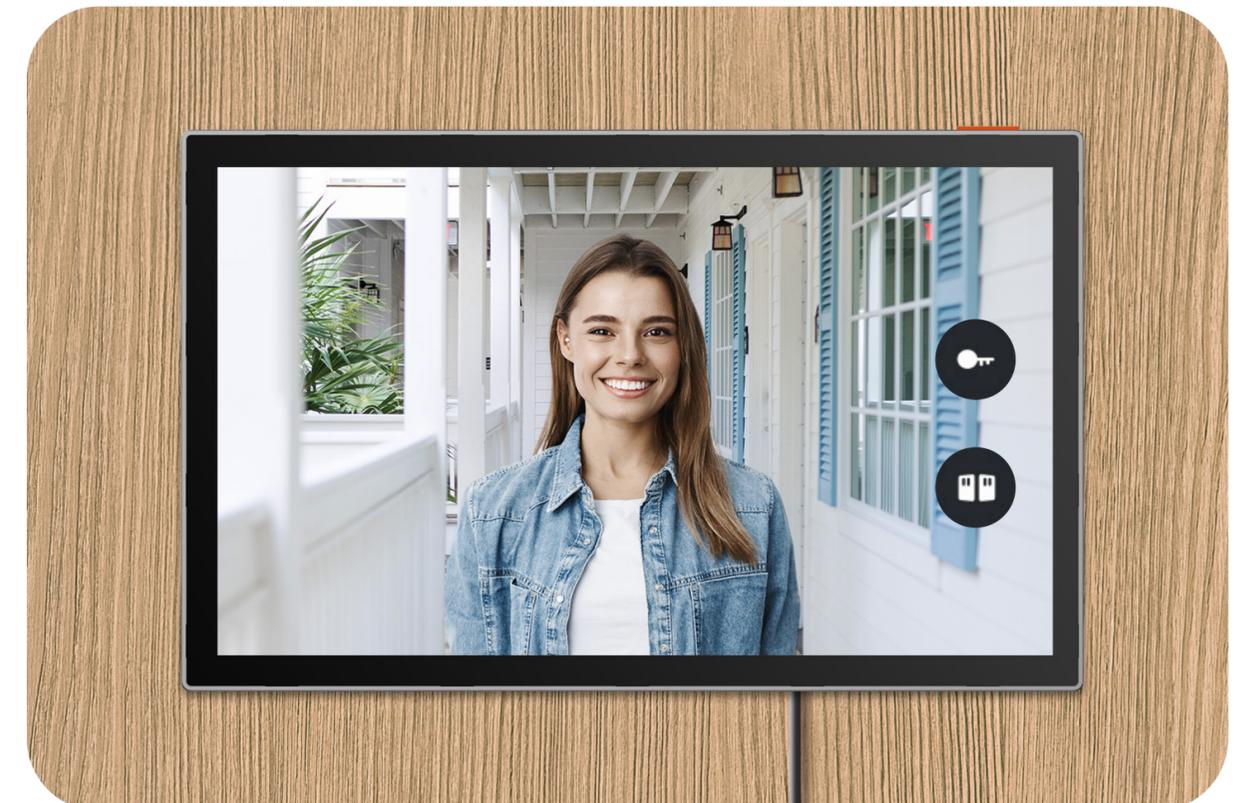
Crisp live viewing

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.

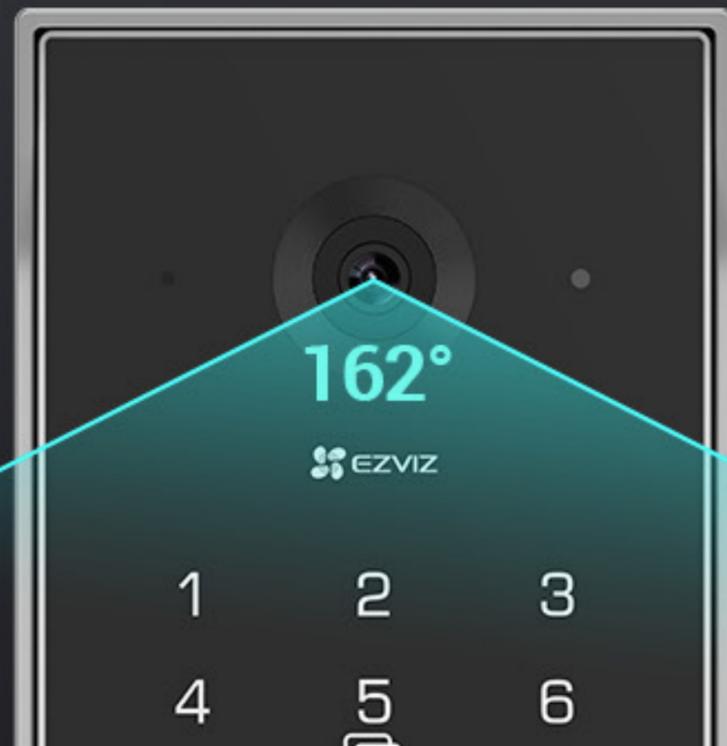


Stunning 2K



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)



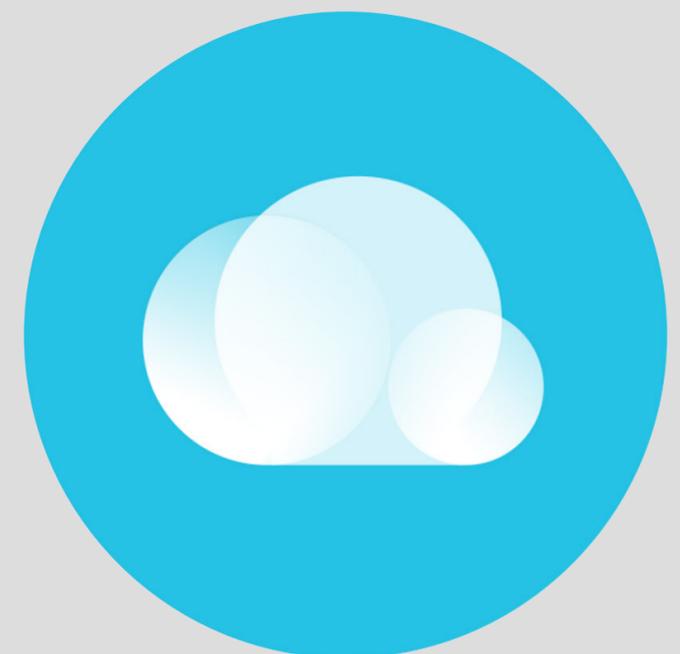
Customize your pleasant ring with 20 different ringtone choices⁵

Extra-Large, safe storage options that you can trust

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 storage⁶.



Supports MicroSD Card



Supports EZVIZ CloudPlay Storage

Elegant design elevates your front door

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%.⁸

50%
Video Storage Space

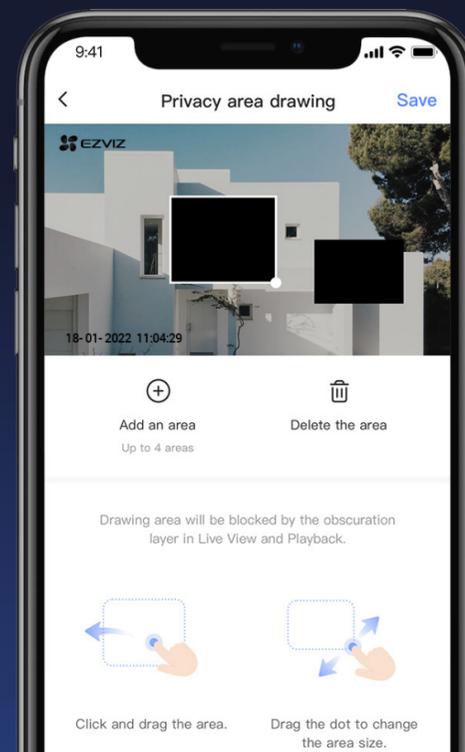
50%
Required Bandwidth

We're committed to protecting with trust

We put security as the primary goal of every product and system that we build, and assiduously improve our practices to better protect your device, data and privacy.

[Learn more about our security practices >](#)

Privacy Zone⁹



**End-to-end
Data Encryption**

TLS

Data Transmission
Encryption

AES

Data Encryption

Our global certifications in the fields of **information security, privacy information security, and cloud security**



- 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. The inclusion of the supporting solar panel in the EP7 kit is intended to provide an additional power source for the main device, helping to extend the battery life of the doorphone to reduce the frequency of recharging. Please note that the solar panel is not the primary or only option to power your EP7 doorphone, as its charging efficiency is highly dependent on sunlight exposure (which can be greatly affected by the location and orientation of the solar panel and whether other objects in the area are blocking sunlight) and the frequency of unlocking activities (opening the controlled door). If the solar panel is not able to keep the EP7 powered on, you can simply remove the battery from the doorphone by unscrewing the battery cover, and charge the battery indoors without moving the main device itself.
- 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 The maximum transmission distance supported by Wi-Fi Halow™ between the indoor monitor and the outdoor doorphone may vary due to various factors, including the number and thickness of intervening walls, obstacles within the transmission space, weather conditions, and others. The maximum transmission distance of 400 meters was tested in an open environment without the above-mentioned affecting factors. For example, the transmission distance is strongly influenced by the number of walls in the environment: 110 m with 1 wall in between, 75 m with 2 walls, and 65 m with 3 walls (the numbers are based on the thickness of each wall at approximately 30 cm to 40 cm, measured at the straight-line distance between the two devices). Wet weather conditions or obstacles such as trees along the transmission path may also affect the performance of Wi-Fi Halow™. It is recommended not to install the devices on a metal surface, as metals can greatly affect the transmission performance, which is also the reason why the door intercom is equipped with a plastic housing.
- 8 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.
- 9 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">1. RFID badge unlock (CPU card x 3 pcs)2. Password unlock3. App remote unlock4. Indoor display unlock

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

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

Specifications are subject to change without notice. "EZVIZ" and other trademarks and logos are the properties of EZVIZ in various jurisdictions.