HP7 2-Family Kit

Smart Home Video Doorphone System

One unified smart entrance system for double convenience

The HP7 2-family kit stands ready to assist two families that share the same main entrance and want advanced smart, remote features to control their home access separately. Consisting of two individual speak buttons and two standalone indoor monitors, the new system allows each of the homeowners to respond to visitors, view high-resolution videos, check detection alerts and manage user access in a much simpler way, even from their smartphones.

- Separate Control for 2 Family Units
- Independent 7-Inch Touch Screen for Each Family
- Remote Door/Gate Unlock[1]
- 2-Wire Installation
- 2K Resolution
- Remote Controls via the EZVIZ App
- Smart RFID Unlocking (3 tags for each family)
- Built-In Doorbell (with multiple ringtones)
- AI-Powered Human Shape Detection
- IR Night Vision
- Supports Dual-Band Wi-Fi 6 (2.4 / 5 GHz)
- Two-Way Talk
- 3 Name Cards Included
- Weatherproof Design
- Supports MicroSD Card (Up to 512 GB) & EZVIZ CloudPlay Storage[2]

Dual access system, shared peace of mind

The HP7 2-family kit is designed to protect the entrance of two households in a reliable and elegant way. Visitors can easily find the right button to call the right family via the outdoor doorphone, which also serves as a smart 2-in-1 camera that detects and notifies the users with real-time mobile alerts even before someone knocks.

A separate touch monitor for individual controls in each household

Although sharing the main entrance, each family has their own complete controls over the system. It's easy to keep track of comings and goings via the indoor monitor, while you can choose to customize your own access settings and manage history videos as you'd prefer.

Versatile features

Crisp live viewing

Two-way talk

Gate / door unlocking

Video history and storage
(Supports microSD card of up to 512 GB)

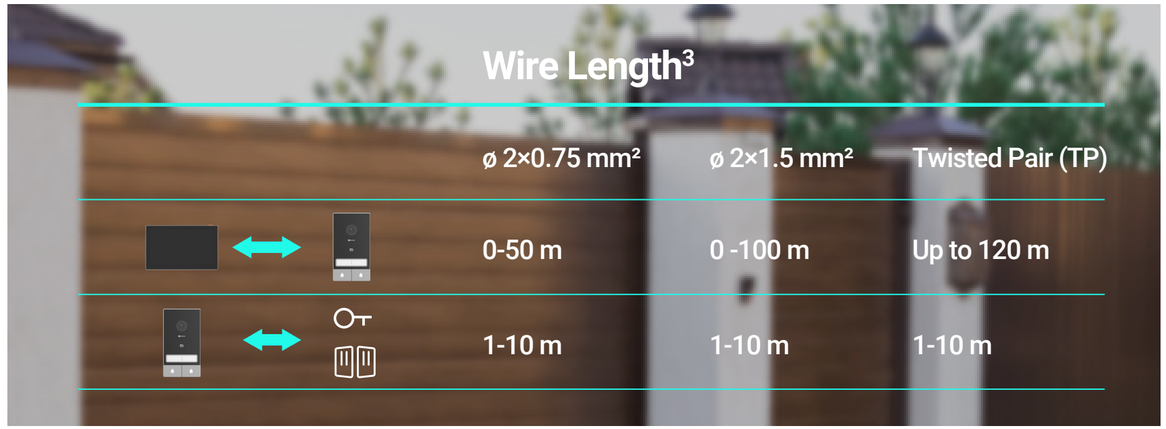
Family A

Family B

Built to be reliable for houses and villas

For those who have a shared entrance in houses and villas but want to maintain their privacy and not disturb their neighbors, the HP7 2-family kit is the ideal solution. Featuring an optimized 2-wire installation process, the kit greatly simplifies the setup and operation of an intercom system for two families and eliminates the need to disrupt or overhaul the existing system.

2-Wire Installation
(Also compatible with 4-wire systems)



Waterproof Doorphone

Gate / Door Dual Controls[1]

Manage your door easily — even remotely

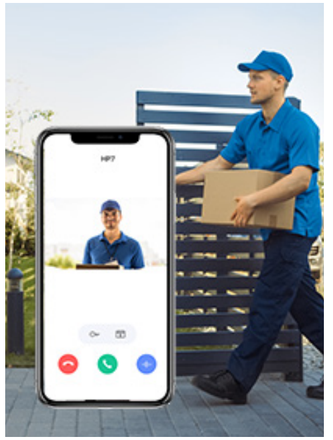
Heavy dangling keys can now be history. The HP7 2-family kit provides far easier access controls while adding visual protection to verify your visitors.

Swipe open with smart RFID
(3 tags for each family)

Use temporary visitor codes

Scan a visitor QR code

Unlock via the indoor monitor



Open the door using the EZVIZ App

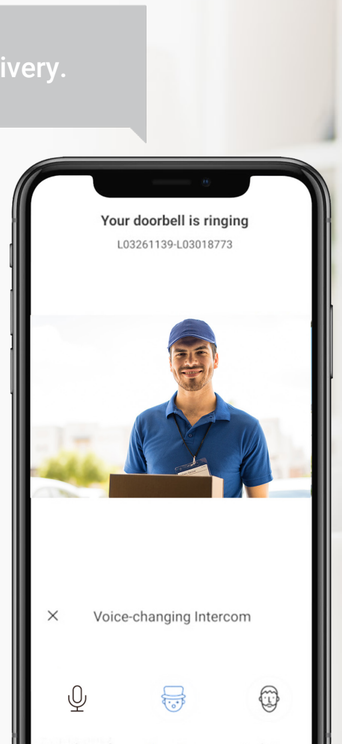
It’s easier than ever to respond from afar

Even if you’re not home, the device makes sure you don’t miss a visitor. You can always use your phone to stay connected, and open the door for guests remotely. When responding to uninvited strangers, you can enable change the voice feature to keep yourself unidentified and to add another layer of protection.

Two-Way Talk

Remote Unlocking via the EZVIZ App

Voice Changer for Privacy Protection



Day Vision

IR Night Vision

162°
Wide Field of View

Crisp 2K

Impressive vision through day and night

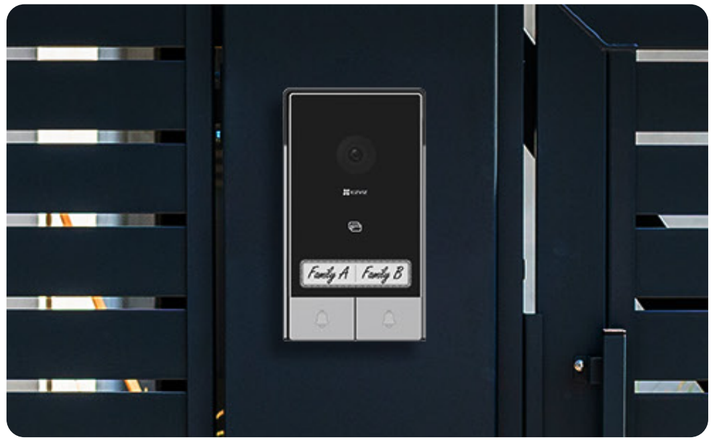
It's time to upgrade your outdated intercom system and say goodbye to its blurry and distorted images. The device offers crystal-clear 2K resolution and head-to-toe visibility, as well as reliable IR night vision, so you can always keep an eye on your front door, whether it's a late night visit or an early morning delivery.

Enhanced and free detection that benefits both units

No matter who appears at the shared entrance, the device will immediately detect their activities and send notifications to both families' mobile phones. Also, both units have the flexibility to fine-tune the detection sensitivity according to their preferences, and set up specific detection zones to reduce unwanted alerts.[3]

- **AI-Powered Human Shape Detection**
- **Adjustable Detection Sensibility**
- **Customizable Detection Zone**
- **No Subscription Fee**

Thoughtful features for additional convenience



Knows the right door to knock with backlighted name cards

Customizes your pleasant ring with multiple ringtone choices[4]

Elegant design elevates your front door

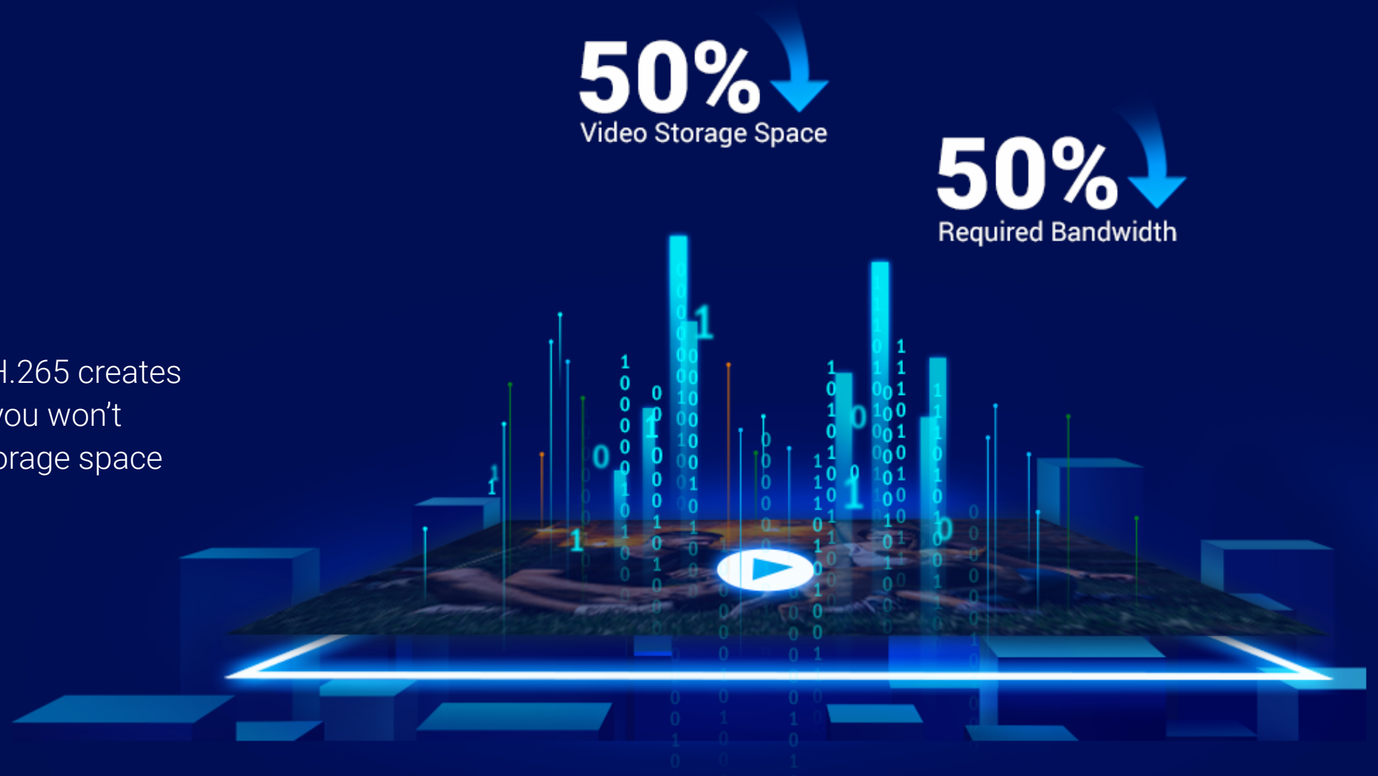
The HP7 2-family kit adopts a refined, minimalist look, with a simple, consistent glossy black for both devices. A standout from traditional intercoms, the device satisfies modern tastes for a stylish home. The indoor monitor screen also maxmizes the touch area, enhancing the whole user experience.

Steady connection for boosted performance

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.

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%.[5]



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 storage.[2]

Supports MicroSD Card

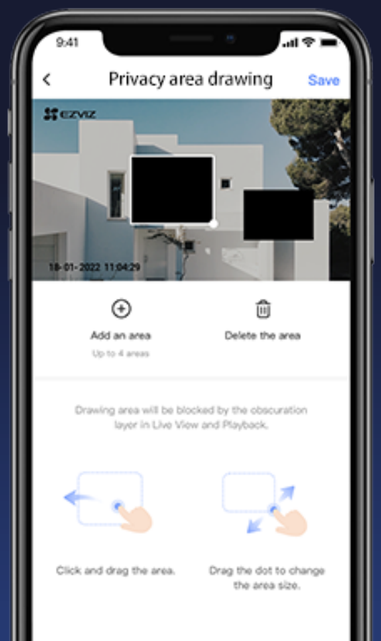
Supports EZVIZ CloudPlay Storage

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 >

Privacy Zone[6]



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

2 The local storage card must be purchased separately. The cloud storage service is only available in certain markets. Please verify the availability before making a purchase.

3 Each family can fine-tune the detection zone and the detection sensitivity via their mobile phones. Please note, however, that the settings of the other family will be updated if a family adjusts the settings.

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 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, and other environmental factors.

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

Specifications CS-HP7-R200-1W2TFC

Outdoor Panel Parameters

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, 850 nm infrared light × 2 (max. 6 m)
Max. Resolution	2K (2048 × 1296)
DNR	2D / 3D DNR
Video Compression	H.265 / H.264
Frame Rate	Max: 15fps; Self-adaptive during network transmission

Outdoor Panel Interface

Audio Input	Built-in high-sensitivity microphone
Audio Output	Built-in high-power speaker
Doorbell Button	Supports 2 buttons; Can set the light on or off
Name Card	Supports handwritten; 3 cards stickers included (1 sticker already on the intercom panel)
Terminal	Two wiring ports to connect screen Two wiring ports to connect gate Two wiring ports to connect electric strike plate

Functions

Intelligent Alarm	Smart human motion detection, lingering detection
Tamper Alarm	Supports
Video Intercom	Long-distance video two-way talk

Connection and Function

Connection Method	Wired connection (2-Wired, capable with 4-Wired), Digital signal transmission
Transmission Distance	Φ 2 x 0.75 mm2: max.50 m Φ 2 x 1.5 mm2: max.100 m Twisted pair: max.120 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: 12V / 2A
Unlock (Electric Strike Plate)	Supports 2 wiring ports; 1 - 10 m 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 / 1.1A, other wise should do as user manual
Door Open Methods	1. RFID badge unlock (3 pcs / family) 2. App remote unlock 3. Indoor monitor unlock 4. QR code unlock

General (Outdoor Panel)

Operation Conditions	-30°C to 60°C, Humidity 95% or less (non-condensing)
IP Grade	Waterproof, with shield cover
Power Supply	24V DC from screen

Indoor Monitors

Display Size	7” touch screen
Resolution	1024 × 600

Specifications CS-HP7-R200-1W2TFC

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 outdoor panel
MicroSD Card	Supports microSD card (max. 512 GB)

Network Parameters

Protocol	EZVIZ Cloud Proprietary Protocol
Interface Protocol	EZVIZ Cloud Proprietary Protocol

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

Function

Multiple ringtones	Up to 20 ringtones
Functions	Live view, playback, two-way talk, video call

General (Indoor Monitor)

Operation Conditions	-10°C to 45°C, Humidity 95% or less (non-condensing)
Power Supply	DC 24V / 1A power supply, adaptor (100- 240Vac)
Power Consumption	8W, Max. 24W

General (HP7 2-Family Kit)

Weight	Net weight: 1010 g (35.63 oz)
Size	Screens: 180 × 111 × 15 mm (7.09 × 4.37 × 0.59 inch) Outdoor Panel: 161 × 87 × 22 mm (6.34 × 3.43 × 0.87 inch)

In the box

- Monitor × 2
- Wall Bracket for Monitor × 2
- Power Adapter for Monitor × 2
- Drill Template for Monitor × 2
- Intercom Panel (Doorbell) with a Weather-proof Shield
- Drill Template for Intercom Panel
- Screwdriver
- Badges × 6
- Screw Kit × 3
- Name Card × 2
- Wires and Wire Connectors × 2
- DC 24V Power Supply Jack Connector Cable × 2
- Regulatory Information × 2
- Quick Start Guide × 2

Certifications

CE / REACH / WEEE / RoHS

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