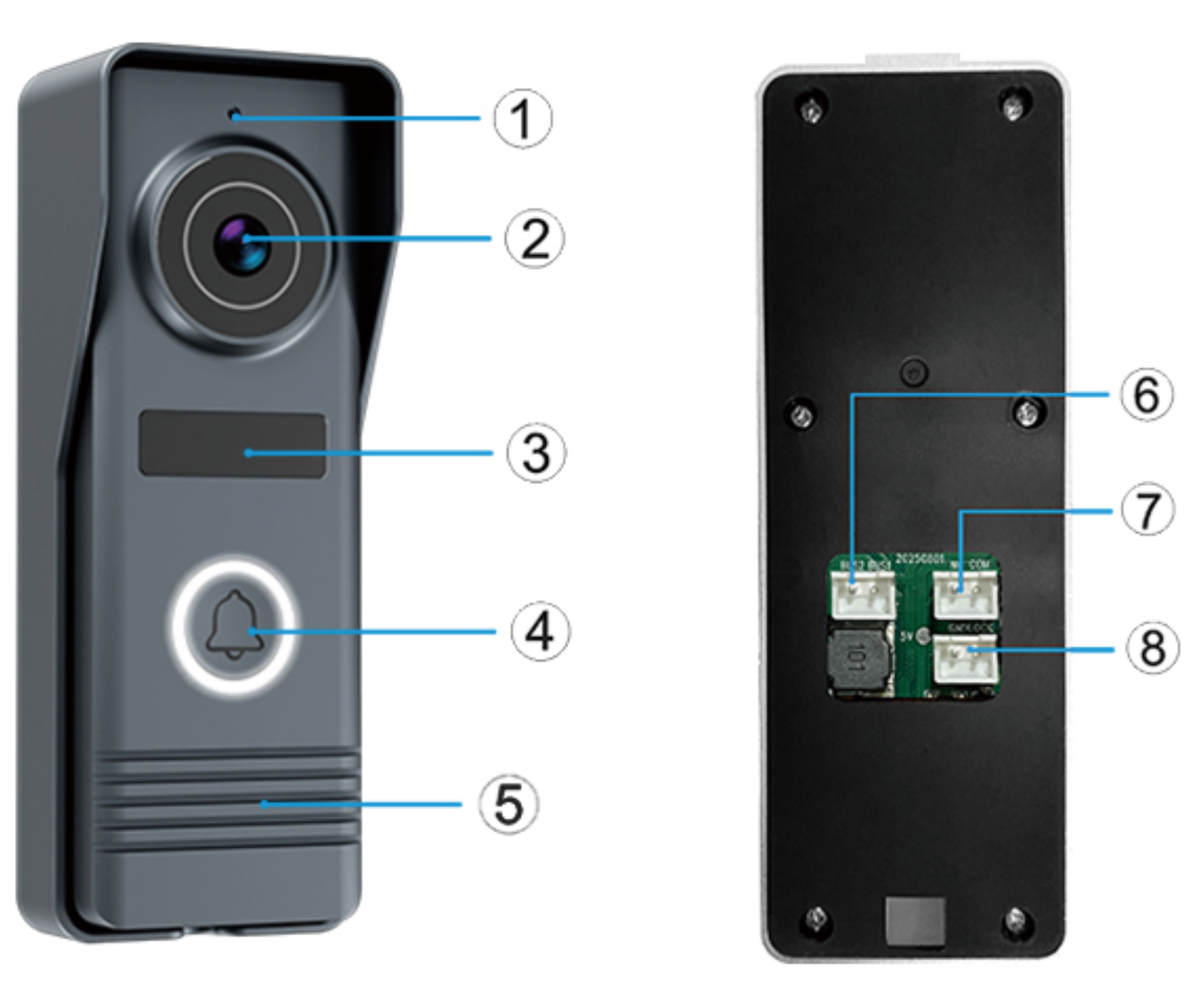
Luxurious HD 2 Wire IP Villa Intercom

- WiFi Tuya/ Smart Life
- Motion detection
- Monitoring
- Photo / Video Record
- 1080P HD Camera 2MP
- IP 65 Waterproof
- Multi Laugage
- Touch Screen
- Night Vision
- 115° View
- Open 2 Locks
- Support 128G card
- Dual-Way Intercom
- One Button to Call

Applications Scenarios

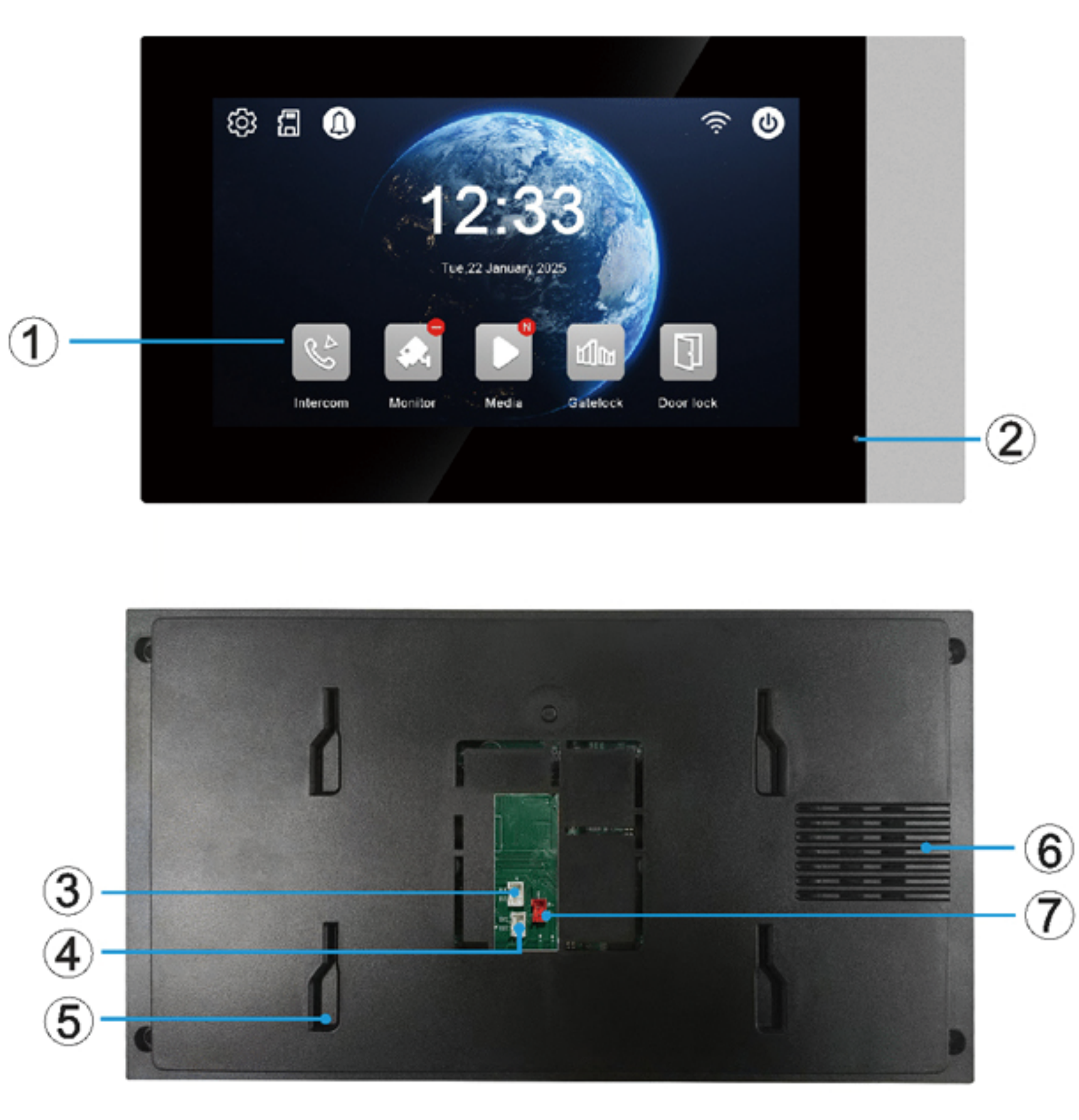
Front and Back Details

Outdoor Station



①	Microphone
②	Camera
③	LED
④	Call Button
⑤	Speaker
⑥	BUS2 BUS1
⑦	NO COM
⑧	GND Lock

Indoor Monitor



①	Screen
②	Microphone
③	Port 1
④	Port 2
⑤	Bracket Slot
⑥	Speaker
⑦	Power

Package

Packing List

Outdoor station * 1

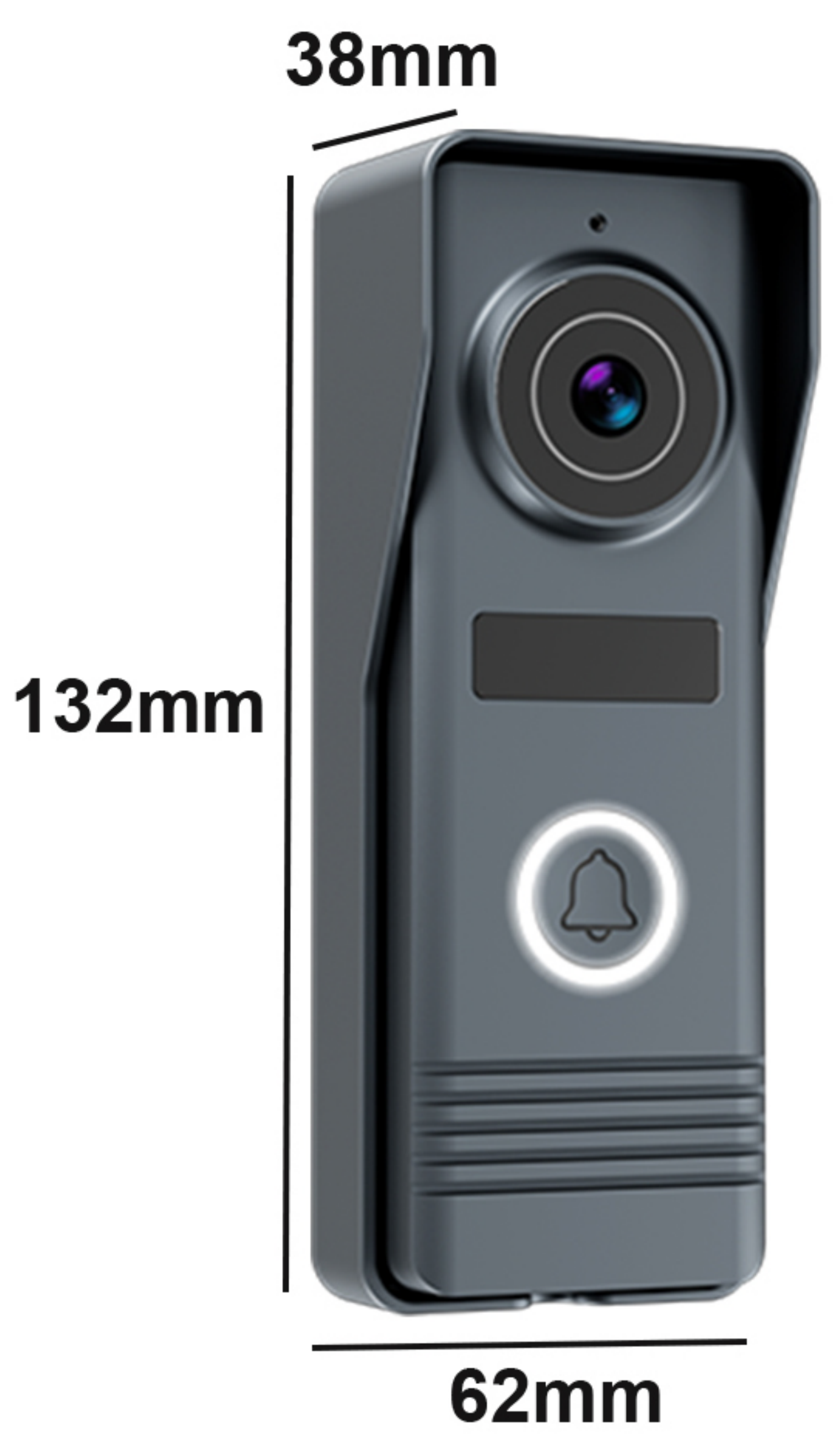
Indoor Monitor * 1

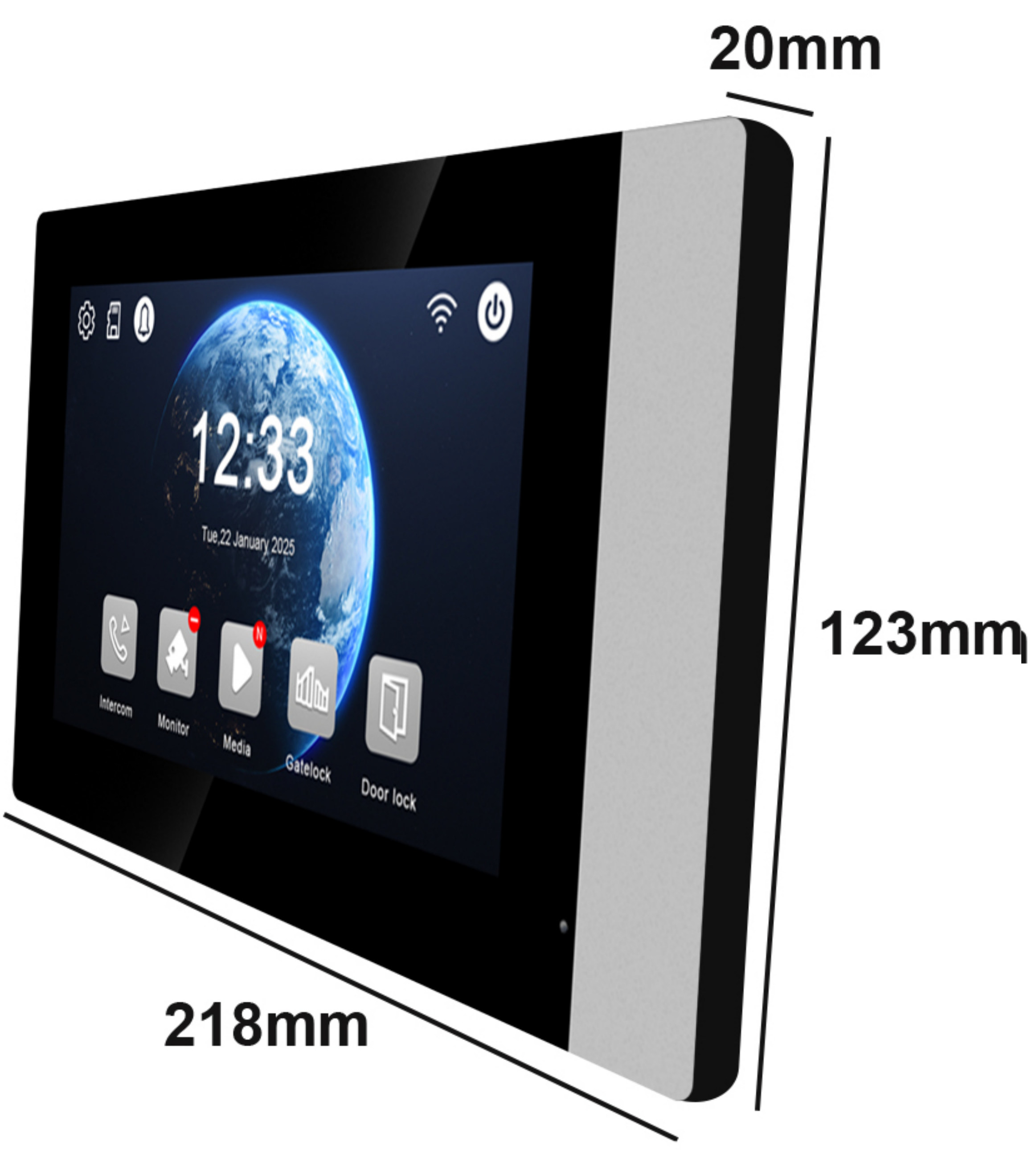
Power Adaptor * 1

User Manual* 1

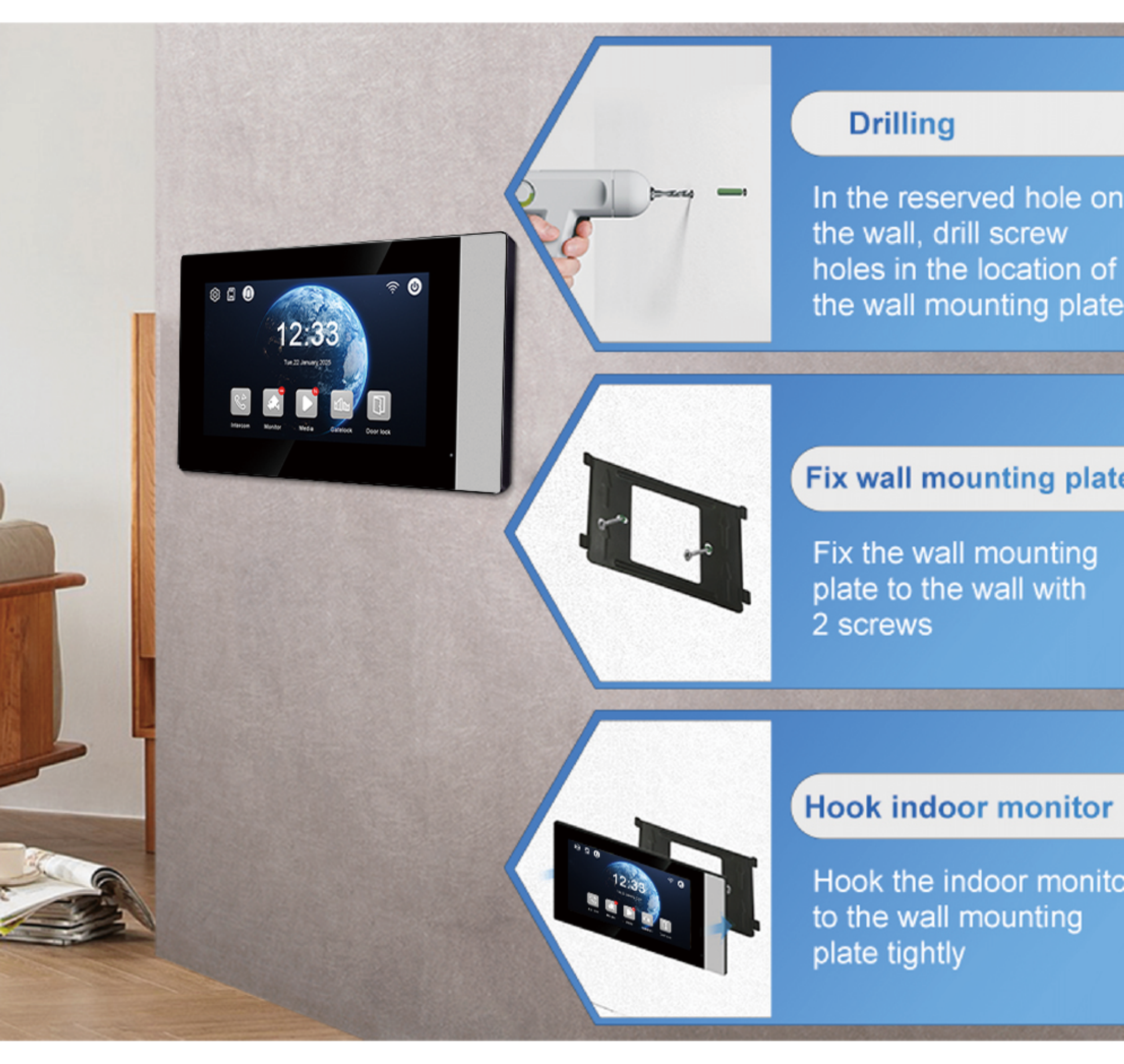
Mounting Bracket & Screws * 1

Size





Indoor Monitor Installation



Drilling

In the reserved hole on the wall, drill screw holes in the location of the wall mounting plate

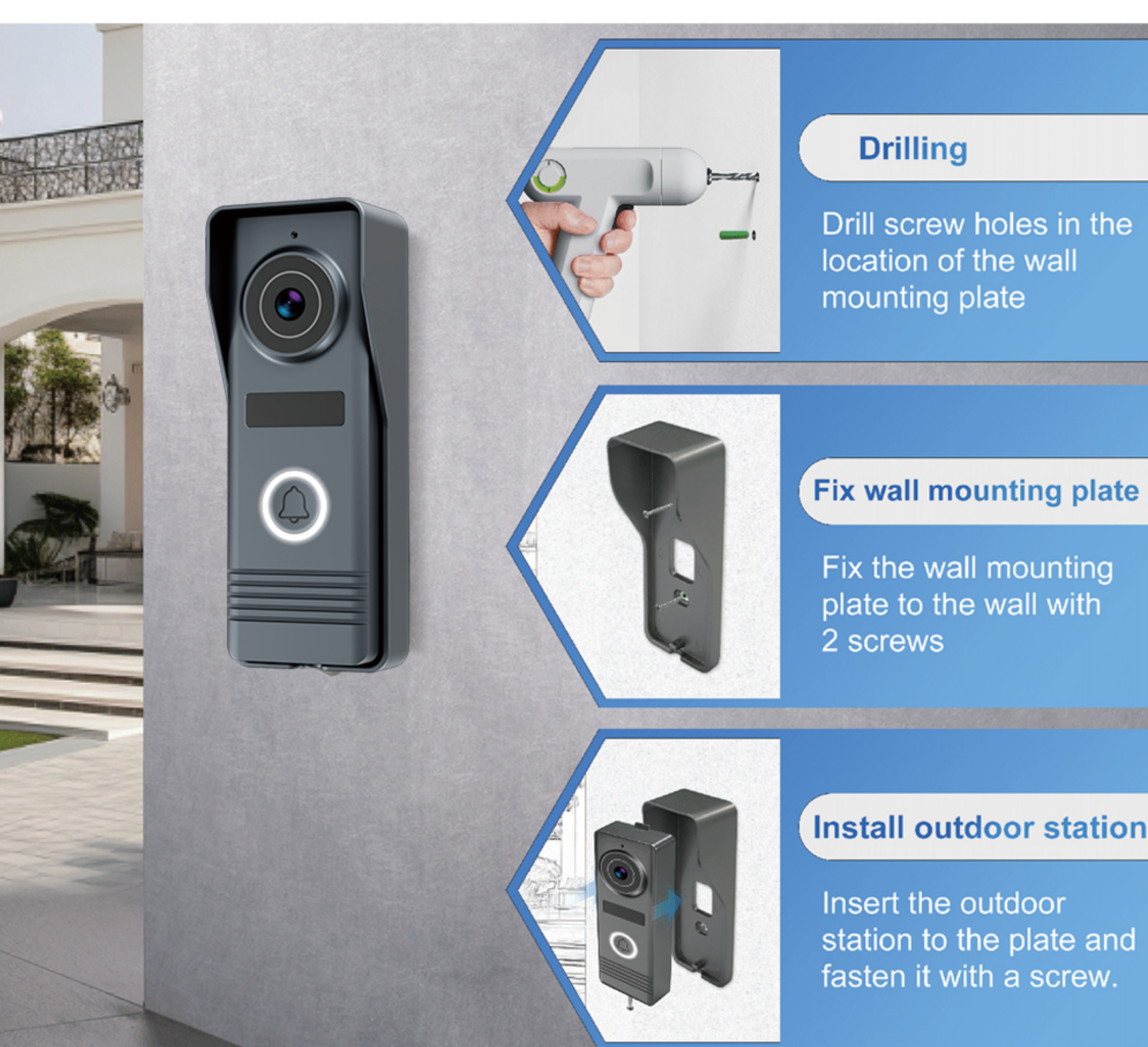
Fix wall mounting plat

Fix the wall mounting plate to the wall with 2 screws

Hook indoor monitor

Hook the indoor monito to the wall mounting plate tightly

Outdoor Station Installation



Drilling

Drill screw holes in the location of the wall mounting plate

Fix wall mounting plate

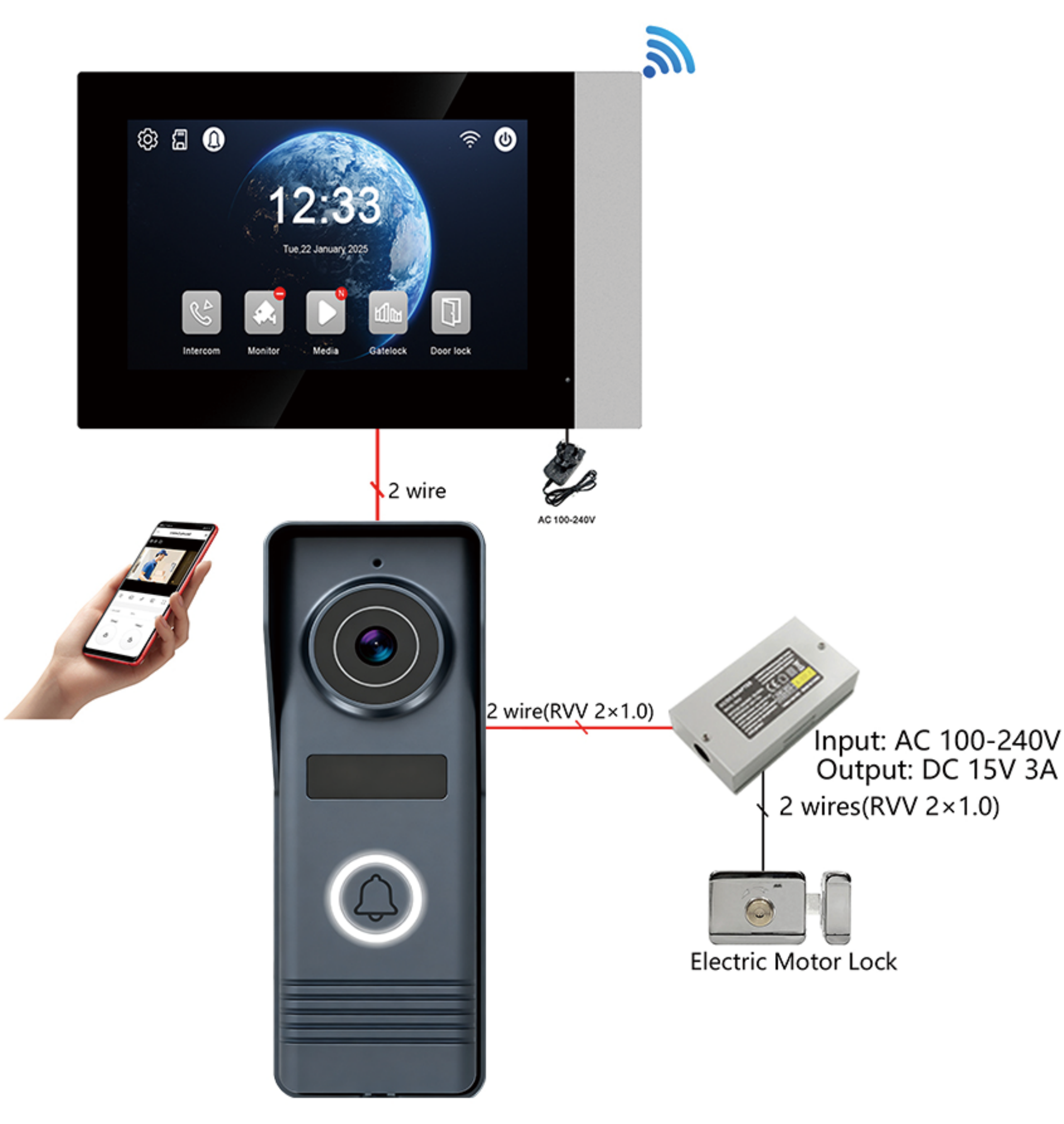
Fix the wall mounting plate to the wall with 2 screws

Install outdoor station

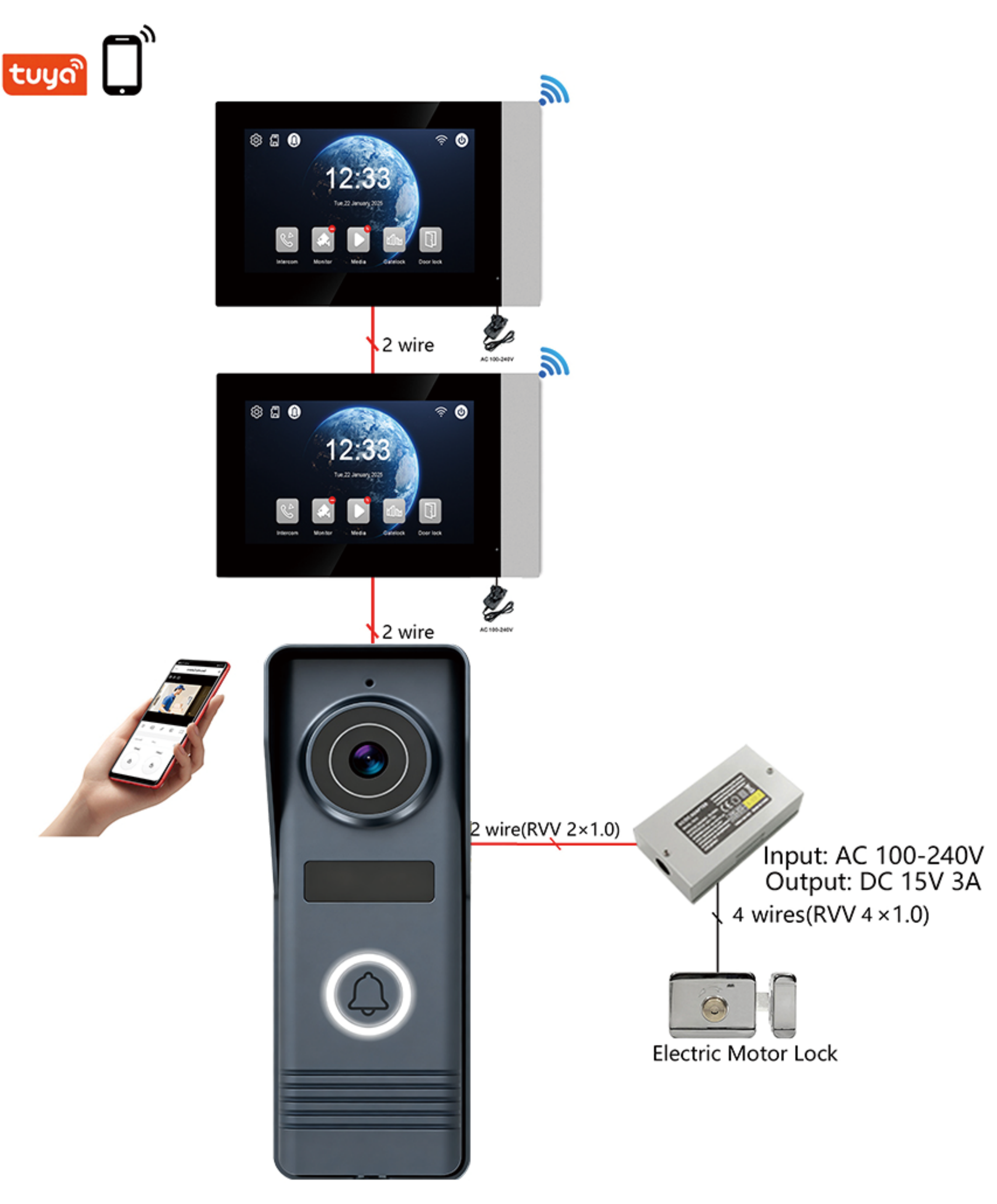
Insert the outdoor station to the plate and fasten it with a screw.

2Wire System Diagram

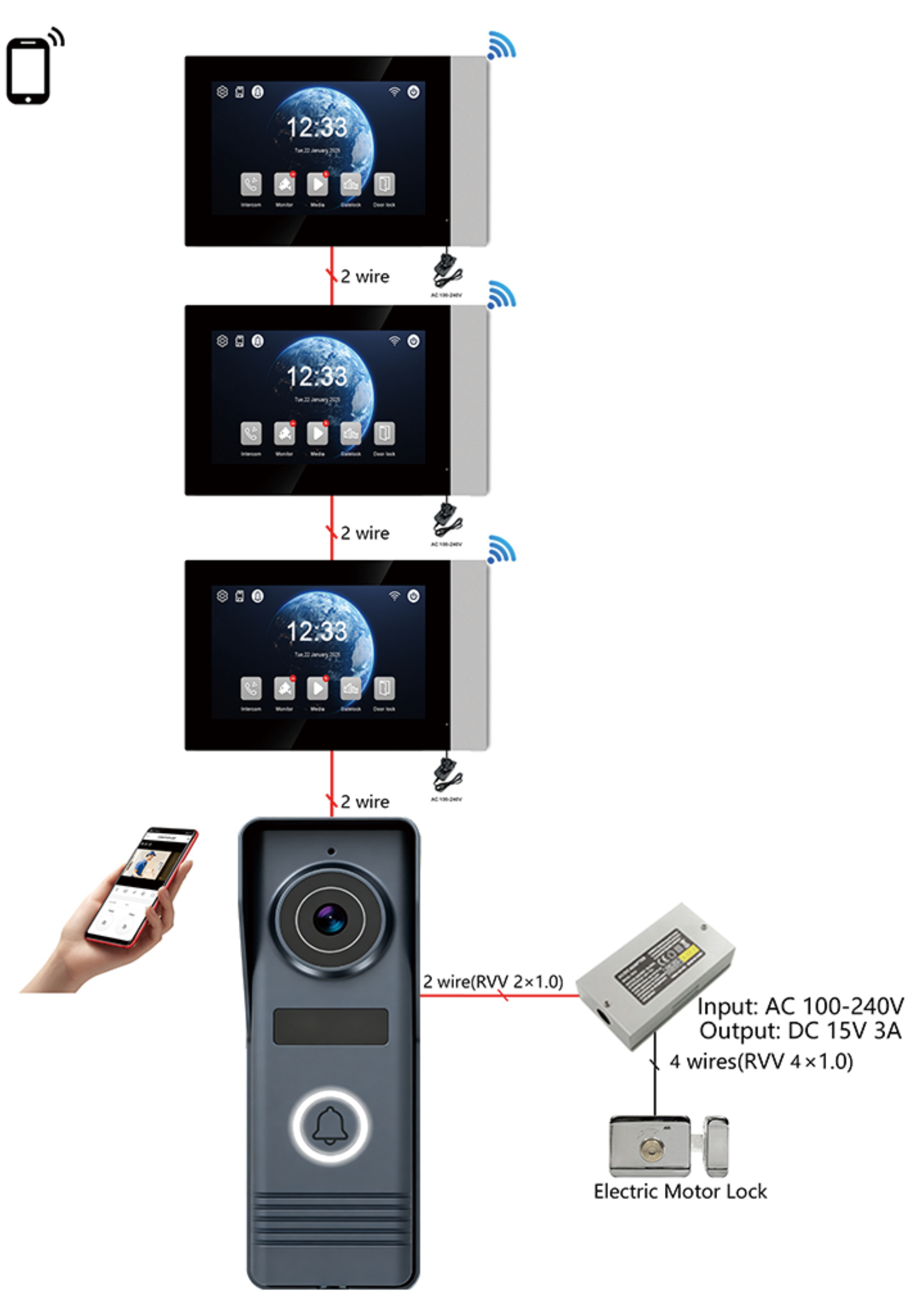
1 Call 1



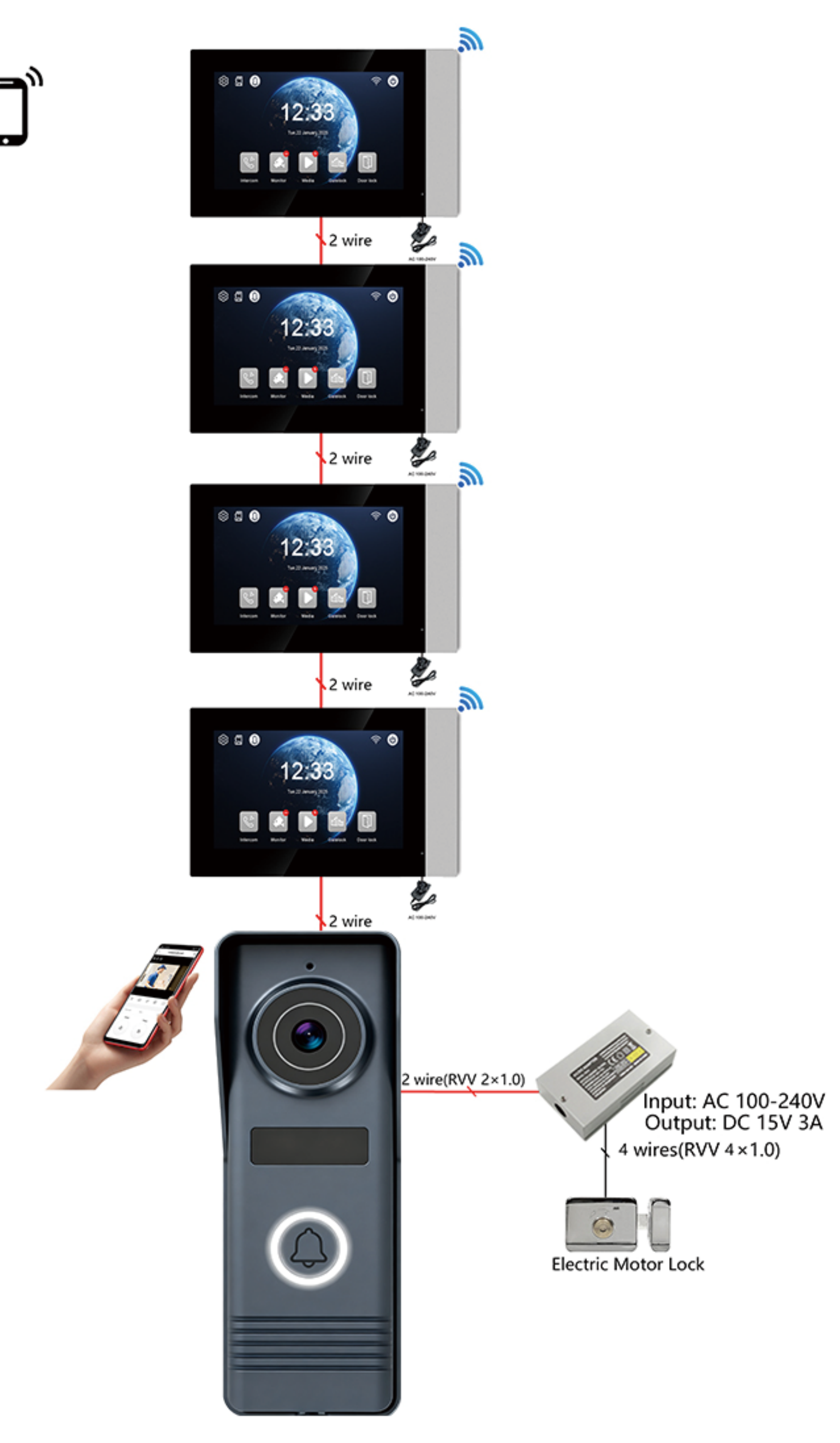
1 Call 2



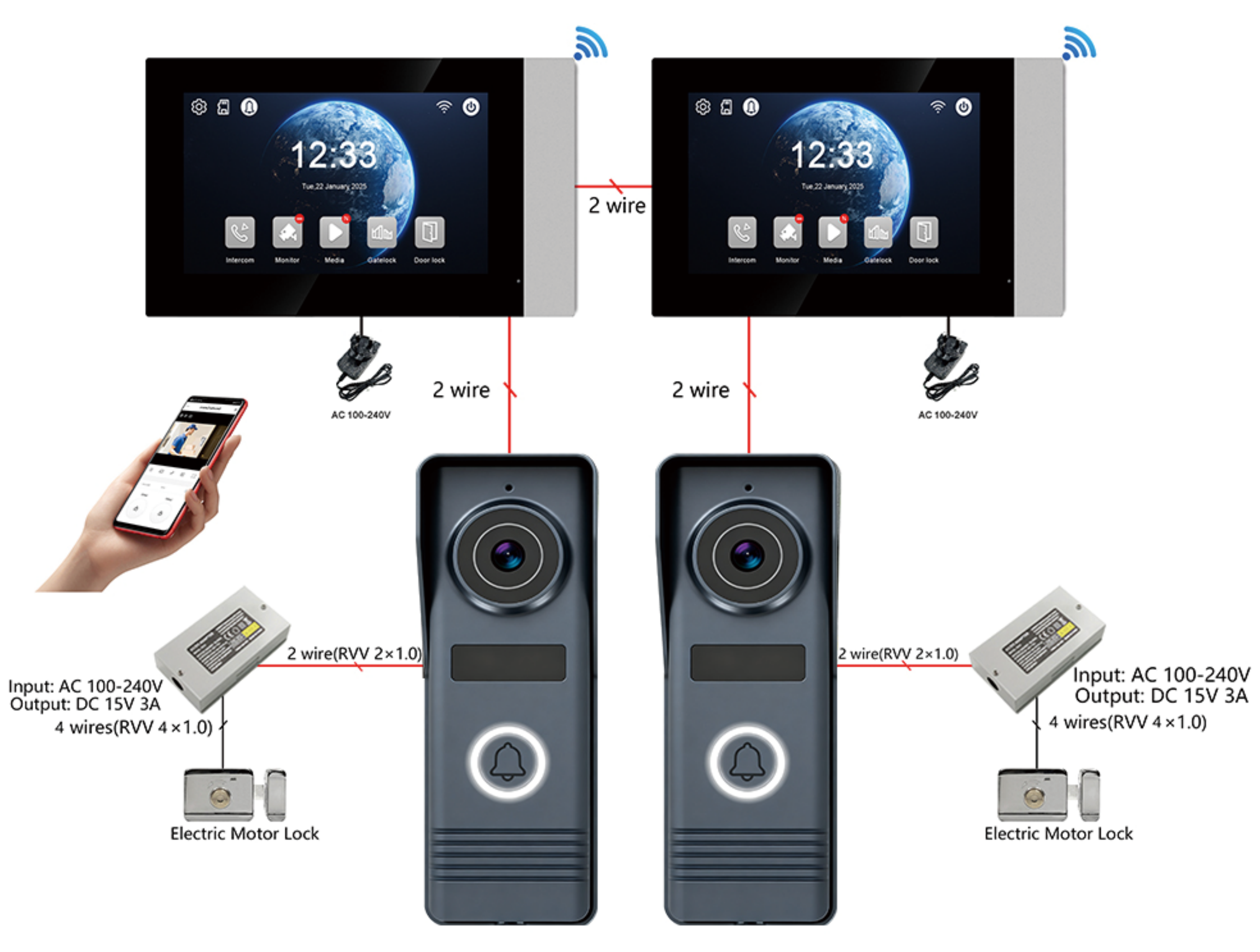
1 Call 3



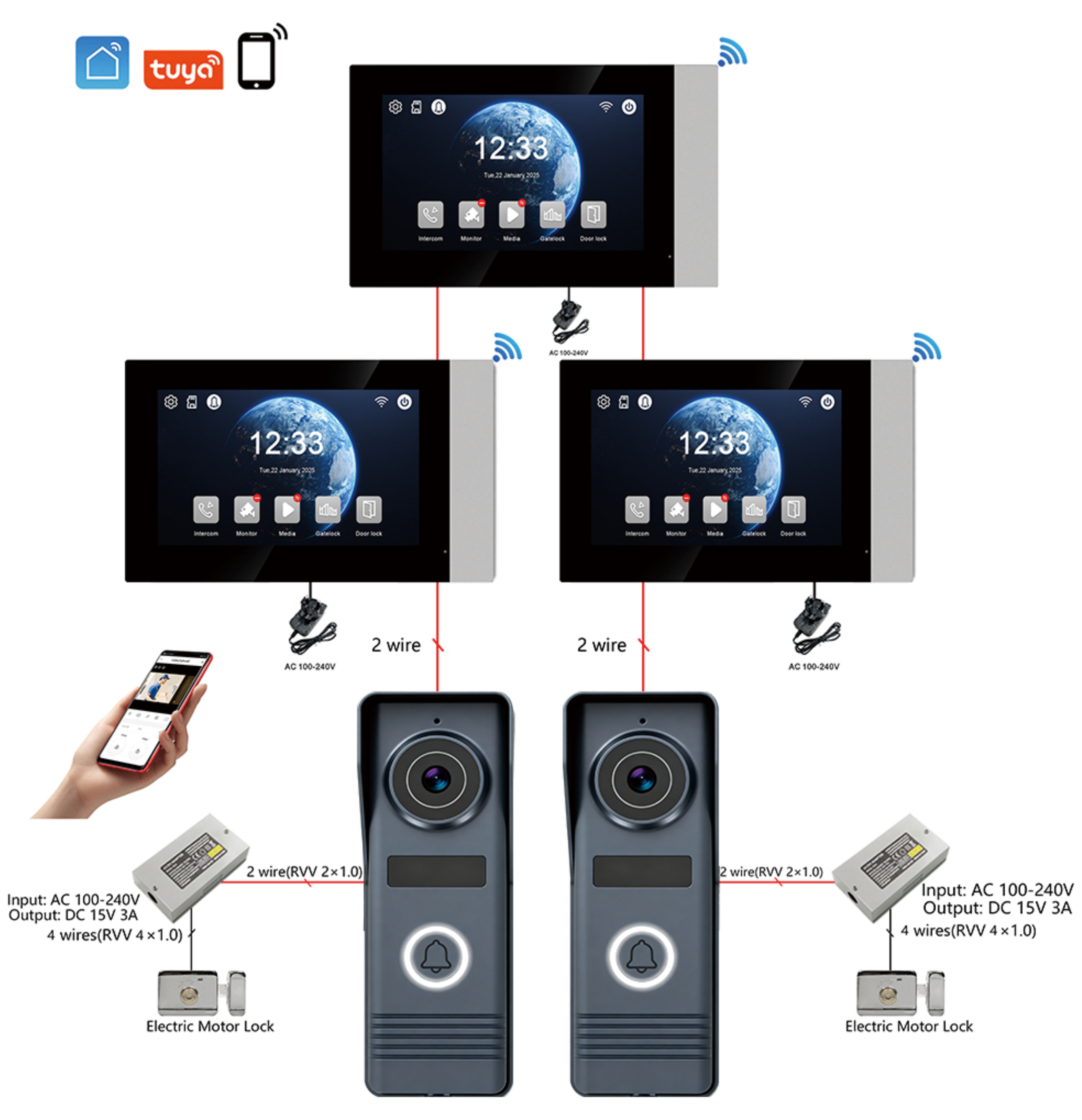
1 Call 4



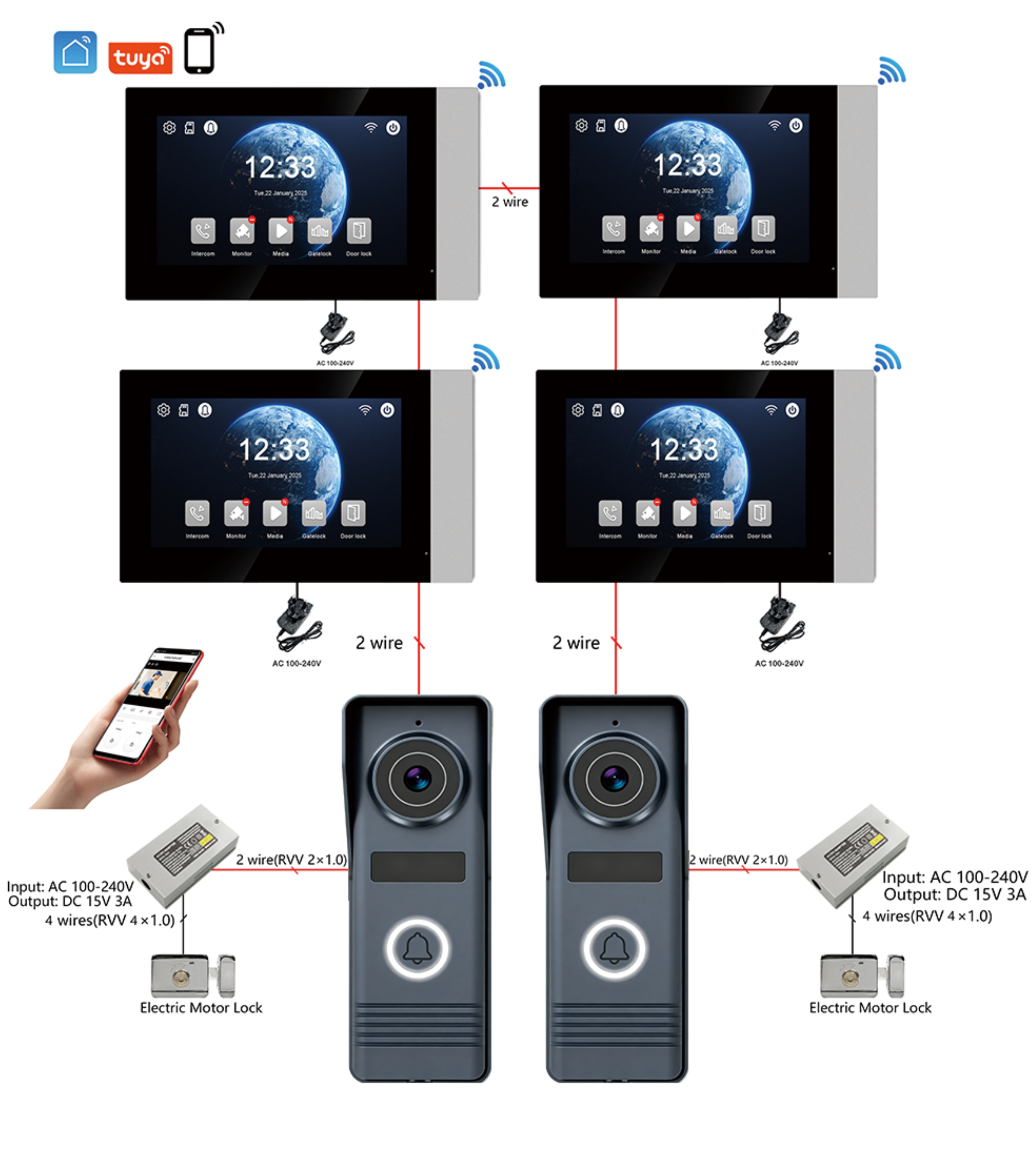
2 Call 2



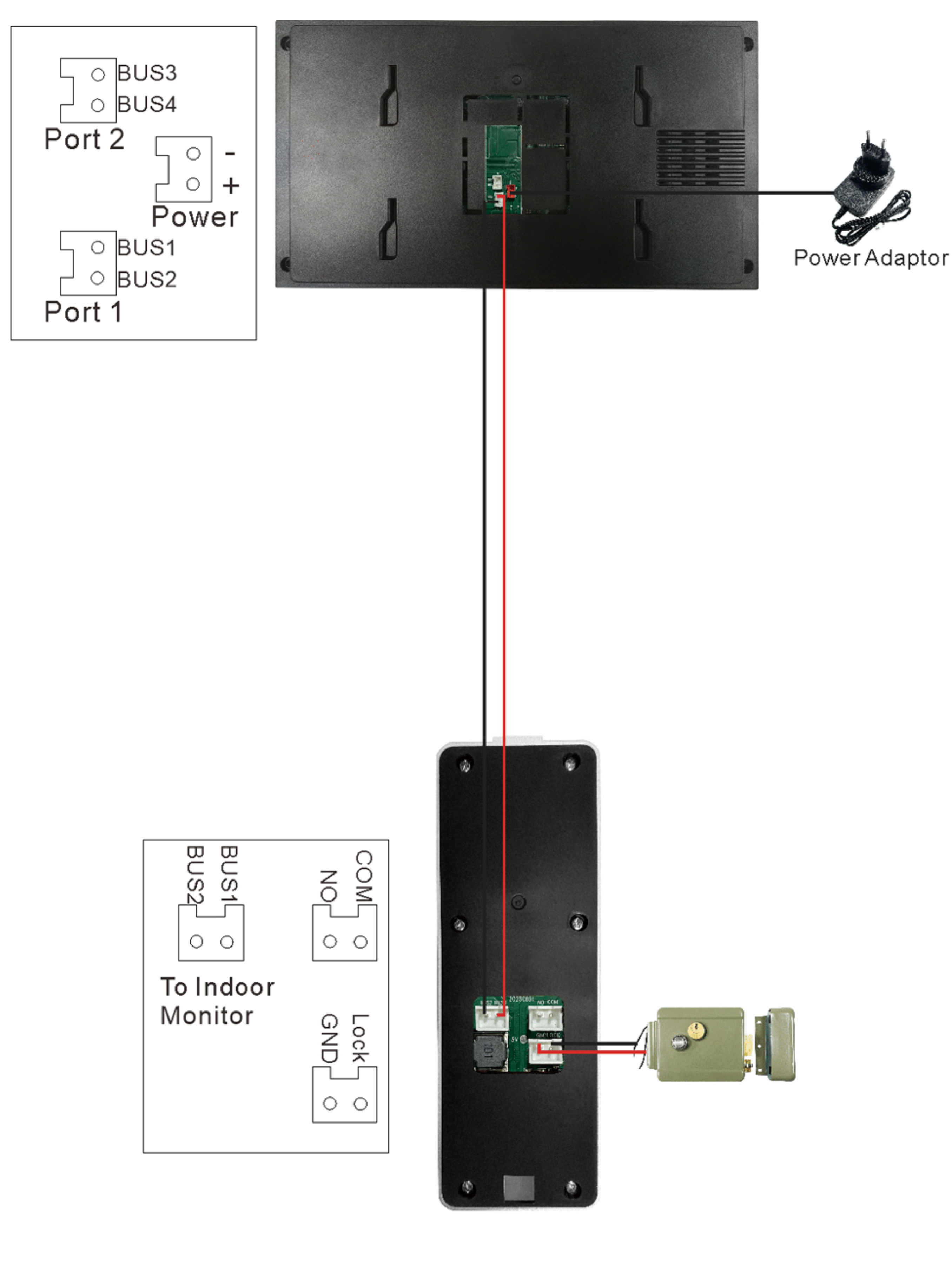
2 Call 3

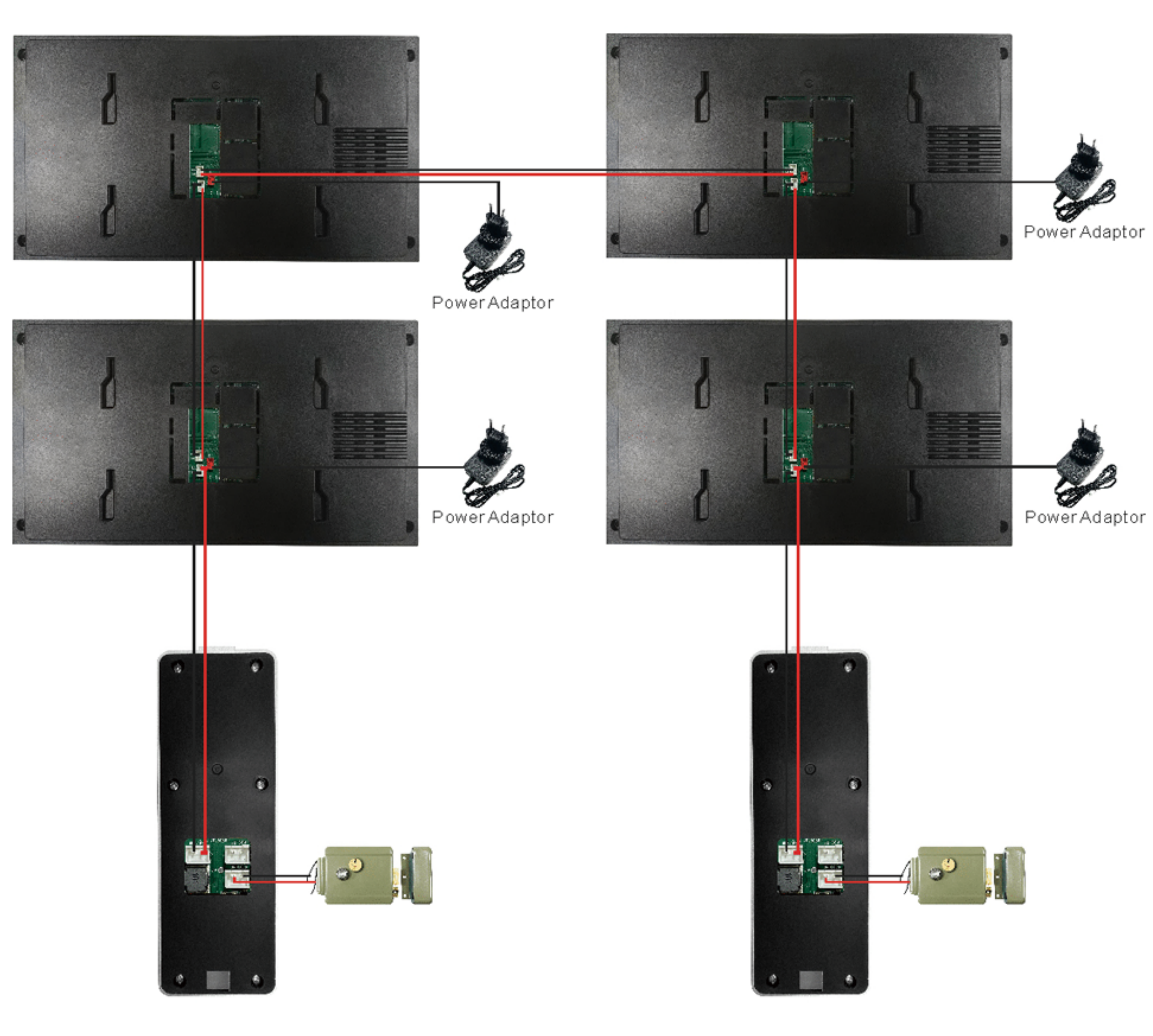


2 Call 4



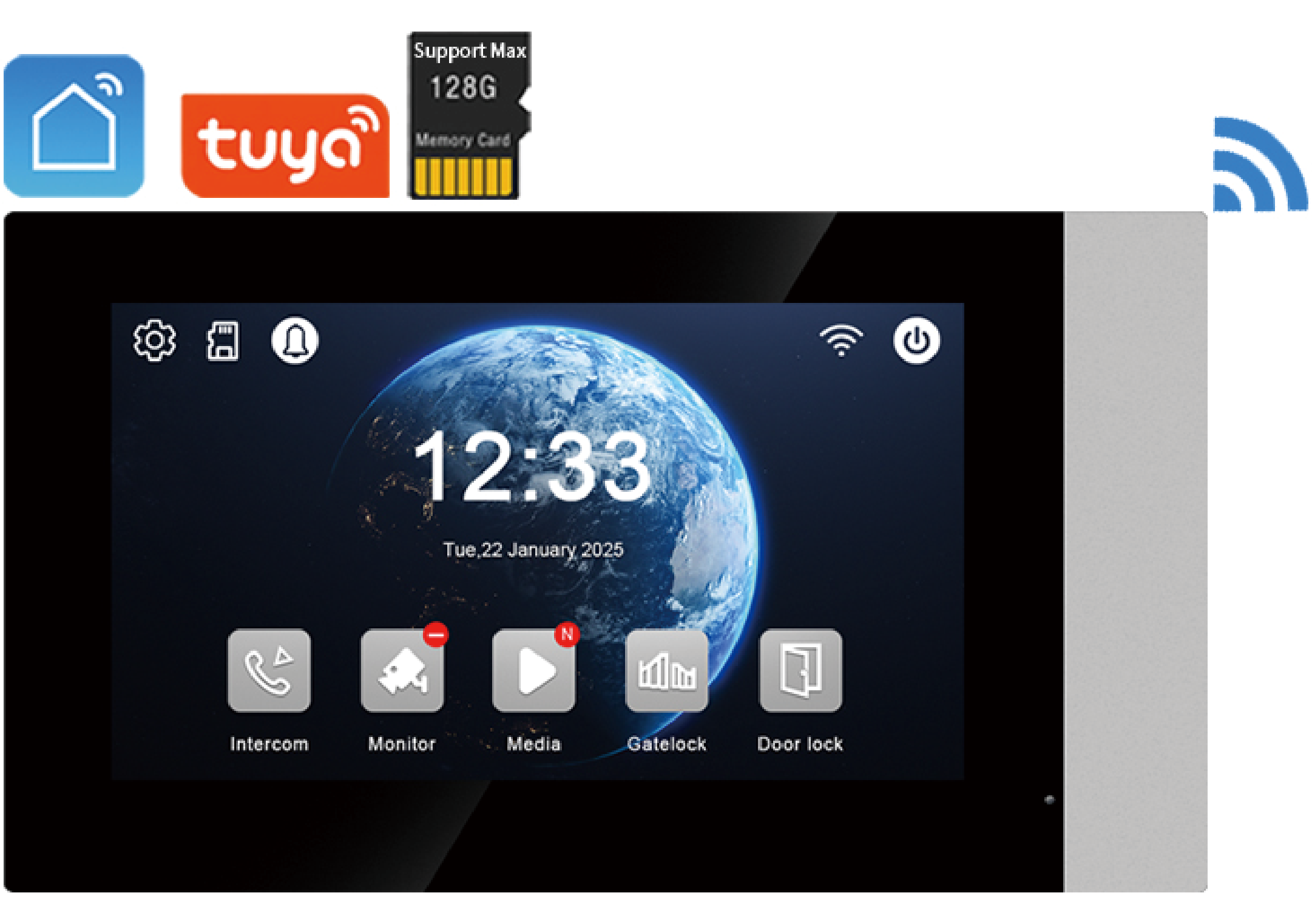
Lock Wiring Diagram

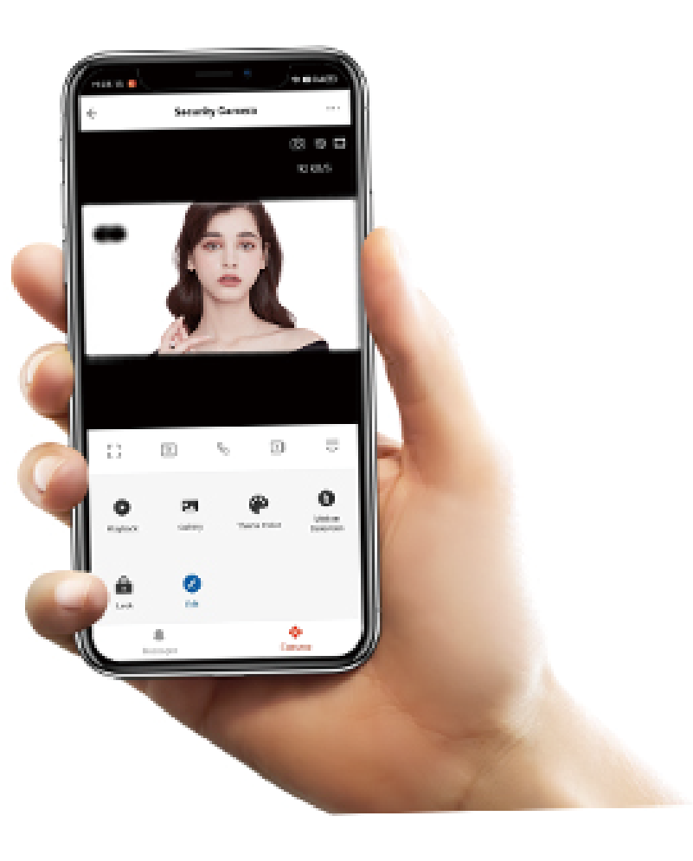




Specification

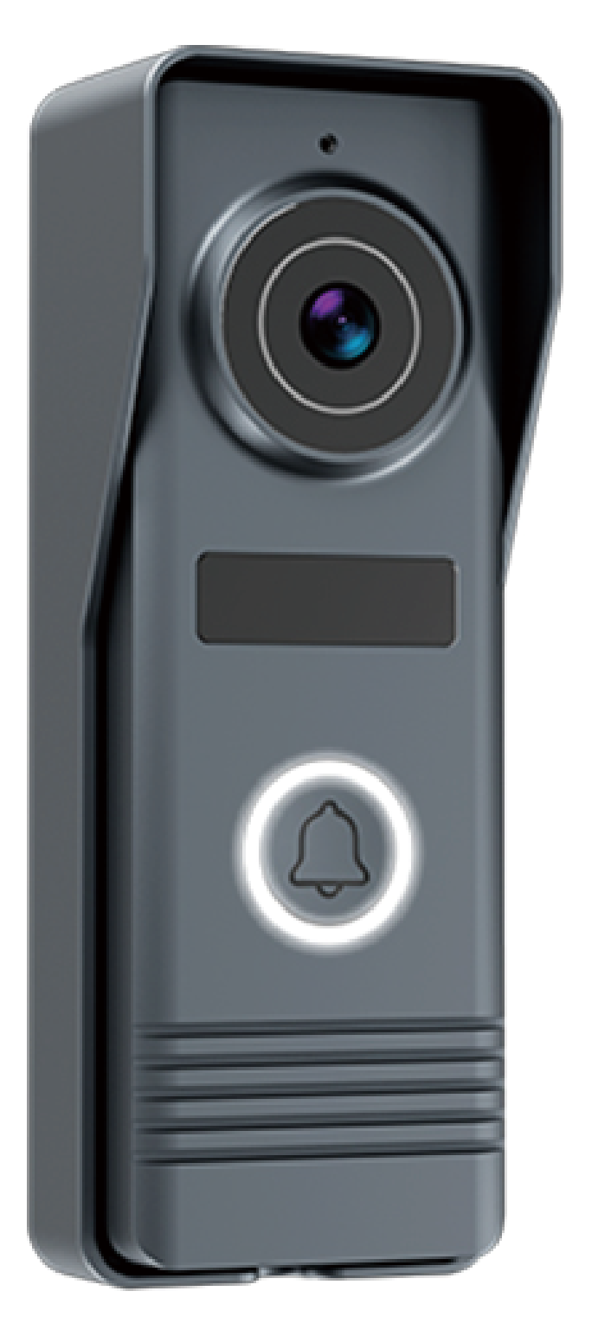
Indoor Monitor





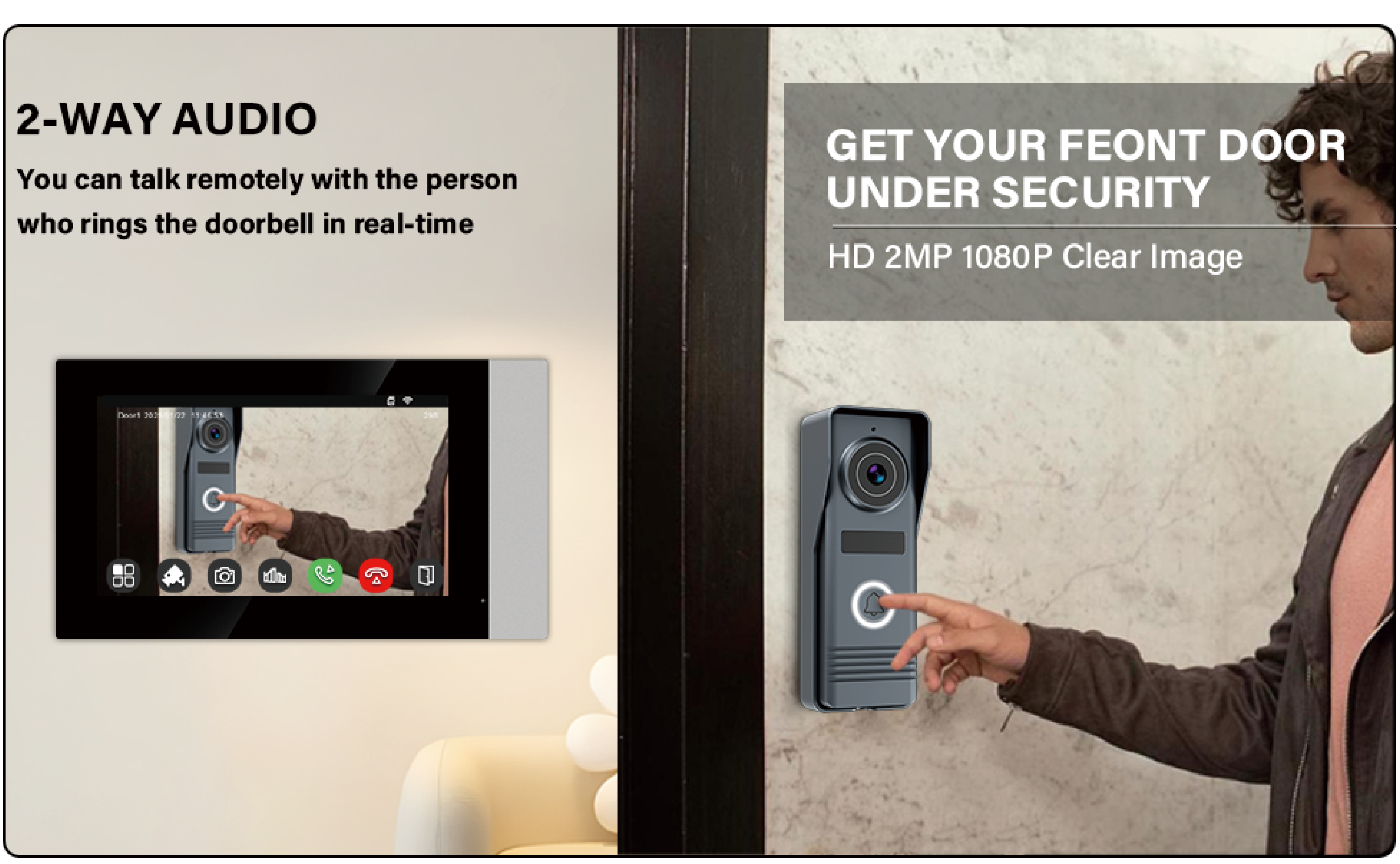
Operation System	Linux System
Display	7" IPS LCD Glass Screen
Resolution	1024*600 Pixel
Video Frame Rate	PAL: 25 fps
UI Operation Method	Touch Screen
Audio Input	Built-in Omnidirectional Microphone
Audio Output	Built-in Loudspeaker
Audio Quality	Noise Suppression and Echo Cancellation
Adjustment	Call & Ring Volume , Brightness,Contrast,Color Adjustment
Ringtones	10 Rintones
System Capacity	2 Call Panels + 4 Indoor Screens
Connection	2 Wire Cable ; Advice ≥0.75mm
POE	No need POE , Series Wiring
Monitor IP CCTV Camera	Yes Support ; 20 pcs by Onvif Protocal
Motion Detection	Strong capabilities in object detection/tracking and face detection/recognition
Micro SD Card Storage	Max 128G SD card (Not Include the kit)
Photo / Video Record	Call Triggered Photo / Video Snapshot ; Can check in Mobile APP or SD Card
Mobile Application	Tuya / SmartLife APP
WiFi	2.4GHz
Power Supply	DC 12-24V Adaptor
Power Consumption	≤5 W
Working Temperature	-30°C to +60°C
Working Humidity	10% to 95%
Language	English, Russian, Ukrainian, Polish, Portuguese, Arabic, Hebrew, French, German, Spanish, Italian, Czech, Turkish
Material	ABS plastic + Glass mirror
Color	Black+Silvery edge
Dimension ((L x W x H)	218 × 20 × 123 mm
Installation	Wall-mounted

Call Panel



Camera	**HD Camera with Auto Exposure** Supports WDR technology, enabling clear image details to be displayed even in strong light or backlit conditions.
Sensor Type	**Monocular sensor， 1/3 CMOS 2Mega** It has excellent light sensitivity and can present detailed picture details under various lighting conditions.
Viewing Angle	115°
Resolution	**1080P 2MP （1920×1080）** Ensure the video plays smoothly without any lag, providing users with a clear and real-time visual experience.
Infrared Light Compensation	Support 5 to 10 meters night vision range , ensuring clear imaging even in low light or complete darkness.
Video Frame Rate	PAL: 25 fps
Minimum Illumination	Colorful： 0.005Lux@F1.2
Wide Dynamic	80dB
Audio input	Built-in Omnidirectional Microphone
Audio output	Built-in Loudspeaker
Audio Compression	PCM
Audio Rate	128kbit/s
Audio quality	Noise Suppression and Echo Cancellation
Key Press Backlight	YES , Support
Protect Rating	IP65 weatherproof
Unlock Relay	2 Relay , Unlock 1 ; Unlock 2
Lock Compatibility	Electric Lock / Electric Door Strike Lock / Magnetic Lock / Electric Drop Bolt Lock : Requires Dedicated Power Supply
Power Supply	Power from Indoor monitor
Power Consumption	≤5 W
Working Temperature	-30°C to +70°C
Working Humidity	10% to 95%
Material	ABS plastic + Acrylic Lens Cover
Color	Iron Grey
Dimension ((L x W x H)	62× 38 × 132 mm
Installation	Wall-mounted

Call / Talk / Two-Way Intercom


2-WAY AUDIO
You can talk remotely with the person who rings the doorbell in real-time
GET YOUR FEONT DOOR UNDER SECURITY
HD 2MP 1080P Clear Image

When a visitor presses the doorbell button to quickly call the owner, the indoor monitor will ring, and at the same time, the mobile phone Tuya APP will also give a ringing sound alert. The owner can clearly see the person outside on the screen or through the Tuya APP, then pick up the call and start the conversation. The sound is clear, enhancing home security and providing convenience and speed for modern life.

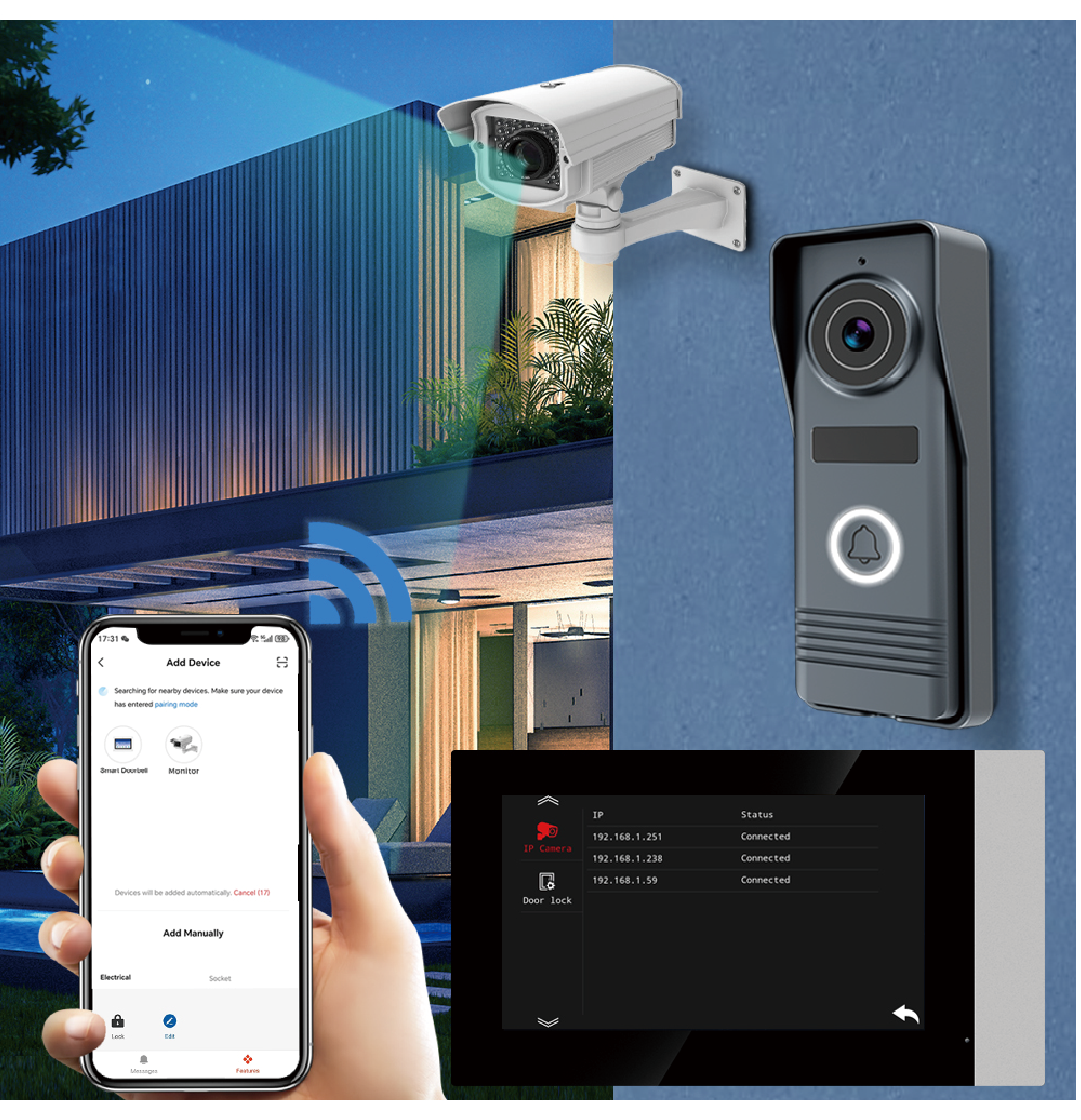
Unlock 2 Door , Mobile APP Unlock

The outdoor panel has two relays and can be connected to two locks. The indoor screen can unlock door 1 and unlock door 2, and it can also be unlocked through the Tuya APP on the mobile phone anytime & anywhere.

Motion Detection , Detecting Human

The owner can set up automatic screenshot or automatic video recording on the indoor extension. Note: There is 1 screenshot, and the video recording can be set to 10 seconds, 20 seconds, or 30 seconds. The owner can view the screenshot/video records on the indoor screen or in the Tuya APP. Enhance home security and check for suspicious persons.

Connect IP Camera (Max 20pcs)



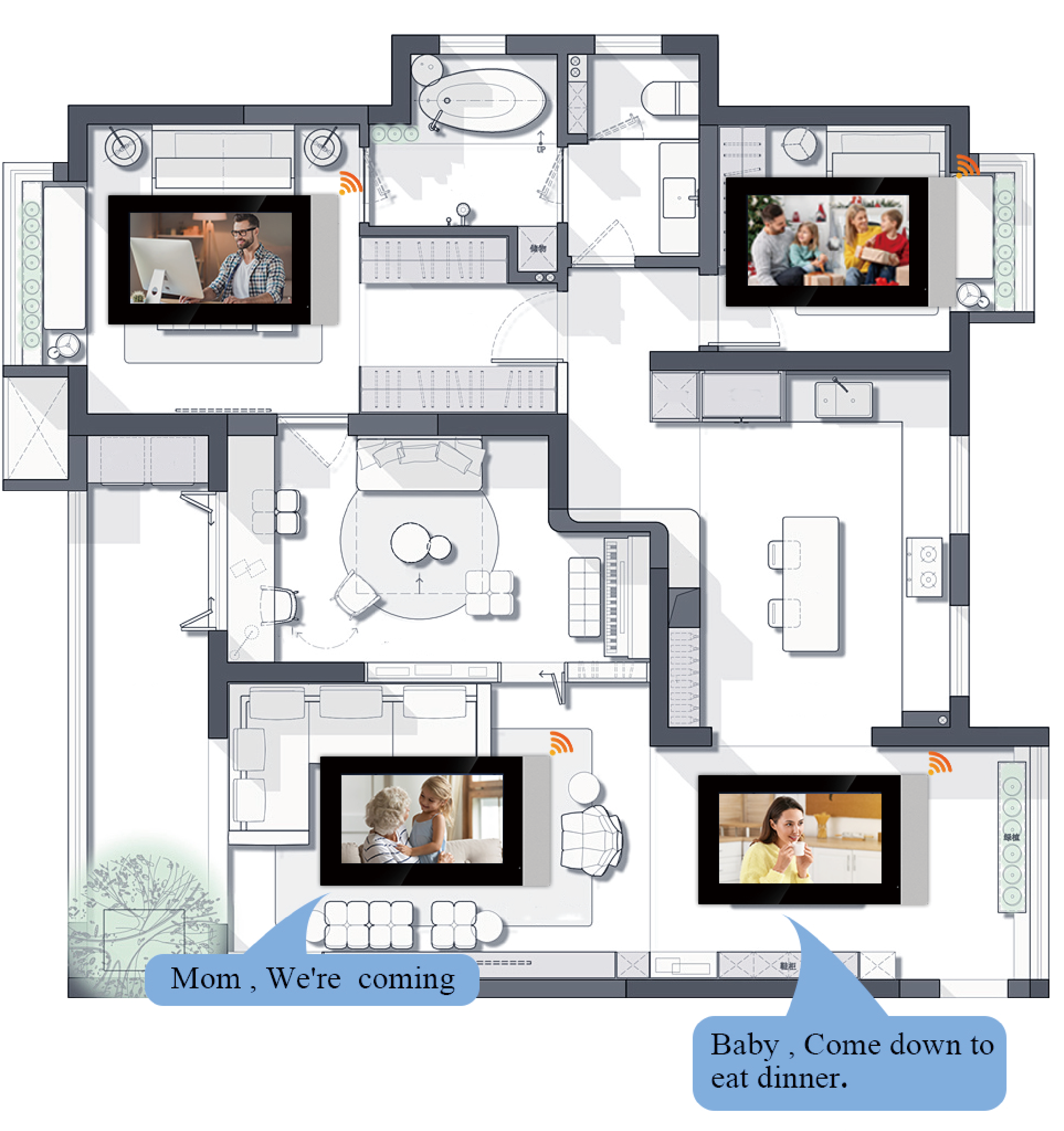
Searching for nearby devices. Make sure your device has entered pairing mode

Devices will be added automatically. Cancel (17)

IP	Status
192.168.1.251	Connected
192.168.1.238	Connected
192.168.1.59	Connected

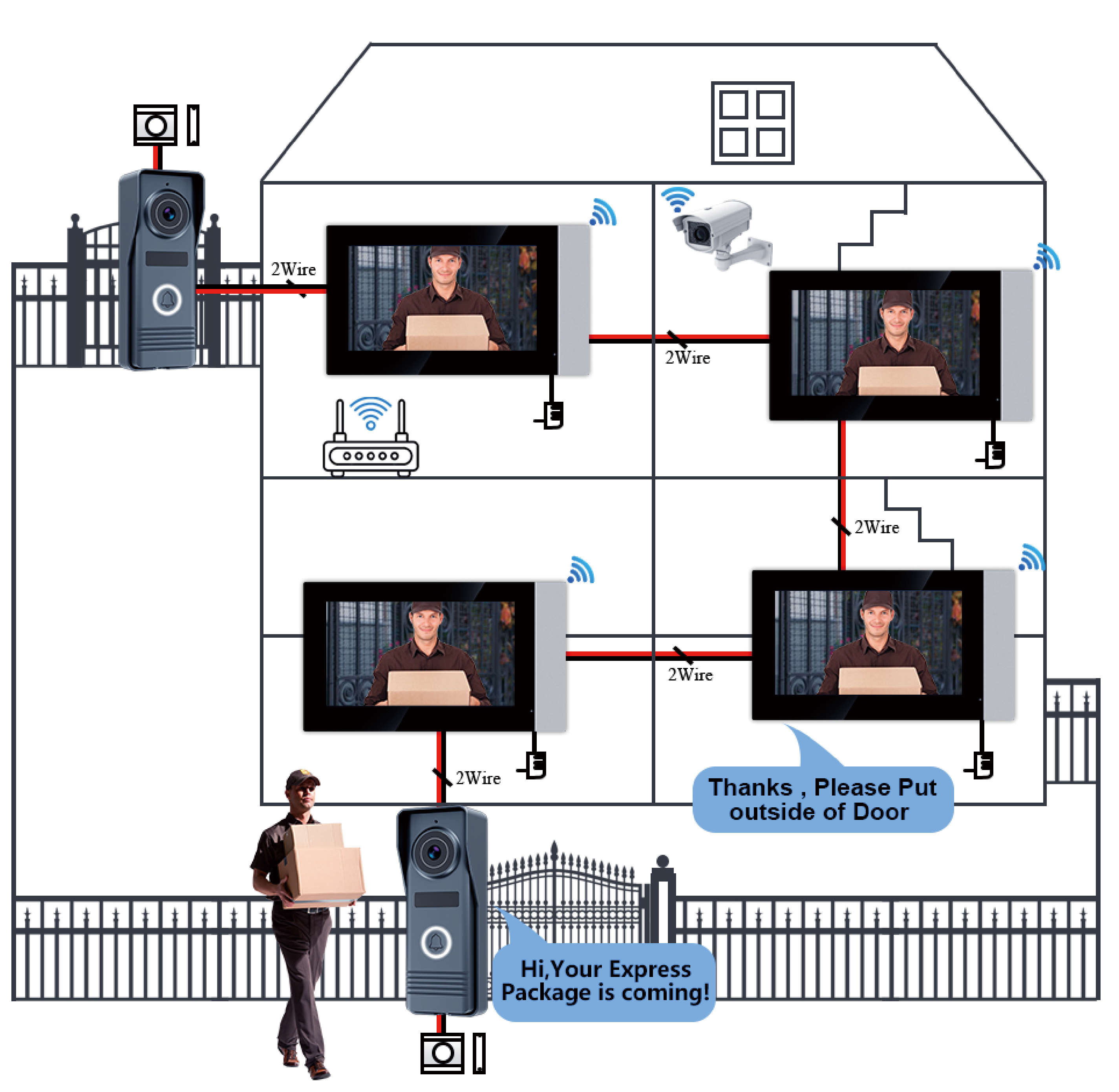
The indoor monitors can monitor IP cameras by Onvif protocol, it can connect up to 20 cameras. Both the indoor monitors and the IP cameras are connected to the same WiFi at home. By clicking "Monitor IP CCTV Camera" on the monitor, you can search and bind them. Later, the owner can view various outdoor scenes of the surveillance, which enhances home security and convenience of life.

Room to Room Call



In the same house,Support max 4 indoor monitors can be installed in different rooms, such as the living room, bedroom, kitchen, etc. These different indoor monitors can call each other and make voice talk. This greatly improves the convenience of family life.

Max 2 Outdoor Panels + 4 Indoor Screens


2Wire
2Wire
2Wire
2Wire
2Wire
Thanks , Please Put outside of Door
Hi,Your Express Package is coming!

In one household, Max support 2 outdoor panels connect with 4 indoor screens. As long as the outdoor panels connect door lock, when a visitor presses the doorbell to call, all 4 indoor screens will ring simultaneously. You can answer the call, make a call, unlock from any one of the indoor screens . When one screen answers the call, the other 3 screens will automatically hang up. This provides endless convenience and joy for your family life.

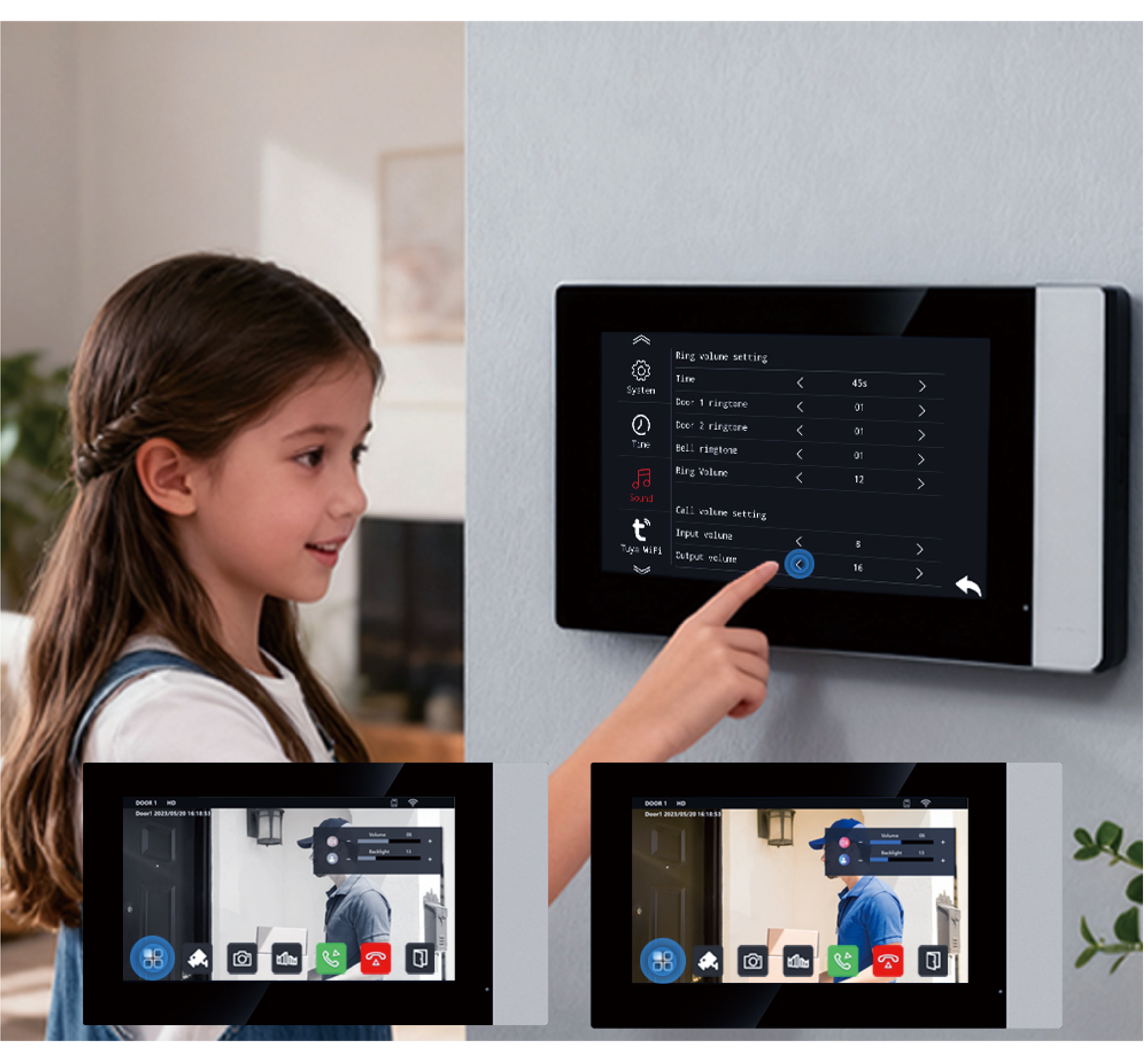
7" IPS LCD Glass 1024* 600

It adopts 7-inch IPS LCD glass screen, featuring a high-end and luxurious appearance, a silky touch feel, high-definition resolution 1024* 600 pixel , clear colors and character effects. It fully showcases the high-end taste of life.

HD Clear UI ,Simple Operation

The simple function icon is clear and straightforward, easy to understand at a glance. Even children and the elderly can operate it easily, bringing endless convenience and a wonderful experience to your life.

Call & Ring Volume , Brightness Contrast,Color Adjustment



Ring volume setting

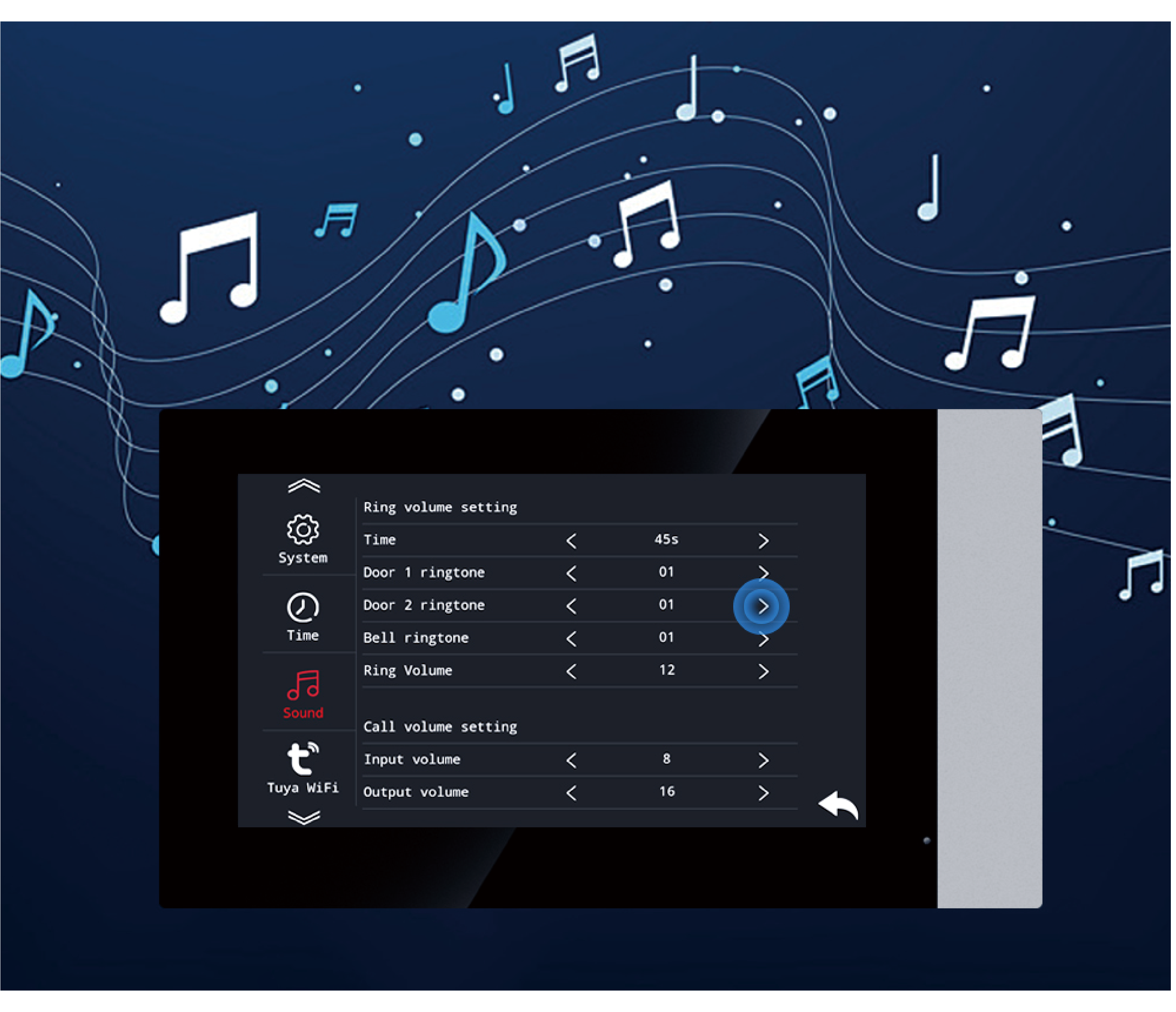
Time	45s
Door 1 ringtone	01
Door 2 ringtone	01
Bell ringtone	01
Ring Volume	12

Call volume setting

Input volume	8
Output volume	16

Call and talk ringtones can be adjusted to a lower or higher level based on user preferences, and the screen brightness can be adjusted to brighter or darker in the visitor call interface.

10 Ringtones Optional



Ring volume setting
Time < 45s >
Door 1 ringtone < 01 >
Door 2 ringtone < 01 >
Bell ringtone < 01 >
Ring Volume < 12 >

Call volume setting
Input volume < 8 >
Output volume < 16 >

There are 10 ringtones available for setting, and you can set the ringtone for each indoor unit. The ringtone of the ringing call from Outdoor panel 1 or Outdoor panel 2 can also be set differently to distinguish which outdoor panel is calling.

HD Camera with Auto Exposure

Supports functions such as digital noise reduction and backlight compensation to enhance image quality. Supports WDR technology, presenting clear image details even in strong light or backlight environments.

Monocular sensor,1/3 CMOS 2Mega

It adopts a 1/3-inch 2-megapixel CMOS sensor and features excellent light-sensing performance . It can present fine picture details under various lighting conditions.

1080P 2MP

Wall Mounted
Day Vision
Thanks , Please Put outside of Door
IP65Waterproof
115°
Night Vision
Hi,Your Express Package is coming!

Supports 1080P high-definition resolution (1920×1080) to ensure smooth video without lag, providing users with a clear and real-time visual experience.

Night Vision

It is equipped with built-in infrared night vision and supports a night vision distance of 5 to 10 meters, ensuring clear imaging even in low-light or completely dark environments At night, the outdoor characters and scenes are displayed in black and white.

IP65 weatherproof

Whether it's thunder, lightning, rain or foggy weather, none of them will affect the use and quality of the product. IP 65 protection rating, high quality & durable.

Low & High Temperature

Whether it is the high temperature in summer or the low temperature in winter, it does not affect the normal use of the product at all. It is resistant to high temperature, cold and freezing. high quality & Durable.