POE Face Recognition Access Control & Video Intercom System



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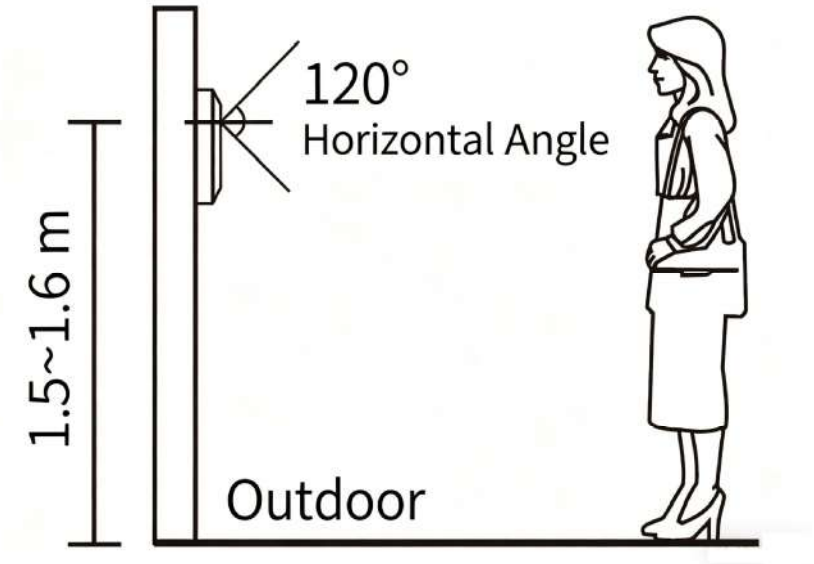
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4. Make sure to use the cable specifications specified by this system, otherwise uncontrollable problems such as video interference will occu

1. Specification

Screen	IPS HD Touch Screen
Camera	2 MP, wide-angle lens with IR LED illumination
Power Input	DC12V/2A
Operating Temperature	-20℃~ 60℃
System Connection	999 Indoor Monitors + 4 Door Stations + 4 Cameras
Internet	TCP/IP (RJ45)
Face Capacity	30,000
Card Capacity	500
Card Type	13.56MHz Mifare Card
Dialing Mode	Villa Mode (One-touch Call) / Multi-user Dialing Mode / Direct Call Mode (Max 32 Users)
Unlocking Way	Face Recognition, Mifare Card, Password
Language	English, Chinese, Russian, French, Spanish, Portuguese
Installation	Wall-mounted
Material	Tempered Glass Panel + Aluminum Alloy

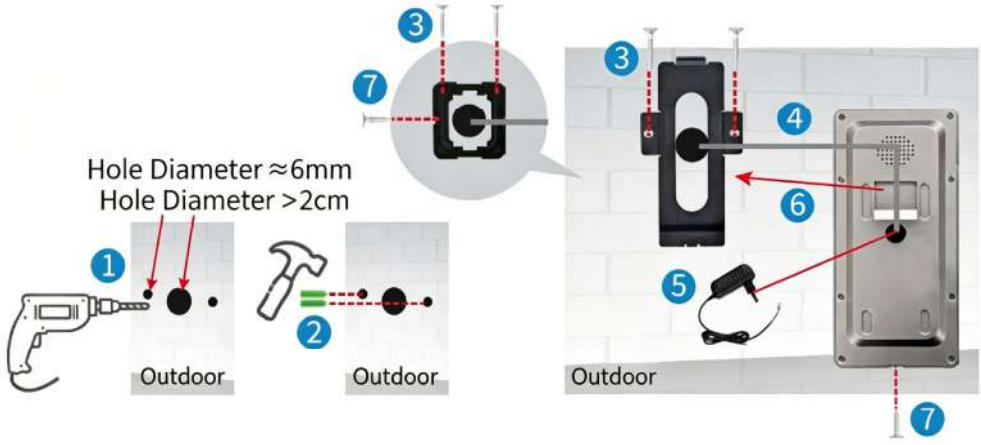
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The reference installation height of the door station is 150cm ~ 160cm from the ground to the screen center. Avoid strong radiation equipment as much as possible. Use screws to fix the mounting plate on the wall, wooden board or door.



Before installation, prepare the mounting plate and screw kit (including plastic expansion tubes and screws), and ensure you have suitable tools (such as electric drill).

1. Use an electric drill to drill holes at the installation position. The screw hole diameter is about 6 mm, and the cable hole diameter is larger than 2 cm to pass through the required cables. Please keep the holes vertical and stable to ensure firm installation. If installing the door station on brick or concrete walls, please use expansion bolts.
2. Gently tap the plastic expansion tube into the drilled hole to ensure a tight fit with the wall.
3. Place the mounting plate in a proper position, pass screws through the plate and tighten into the expansion tubes to fix the plate firmly on the wall. Please tighten the screws properly, but do not use excessive force to avoid damaging the screws or mounting plate.
4. Take out the door station and cables, pass cables through the reserved holes of the mounting plate to avoid extrusion or abrasion. Arrange cables neatly without entanglement or knotting, and connect correctly to the door station interfaces.
5. Connect the power adapter.
6. Snap the door station onto the fixed mounting plate to ensure firm stability.
7. Use screws to lock the door station to the mounting plate.



3. Cable Selection Standard

Use Cat5e / Cat6A pure copper 8-core network cable, with consistent wiring at both ends, as shown in Figure 1.

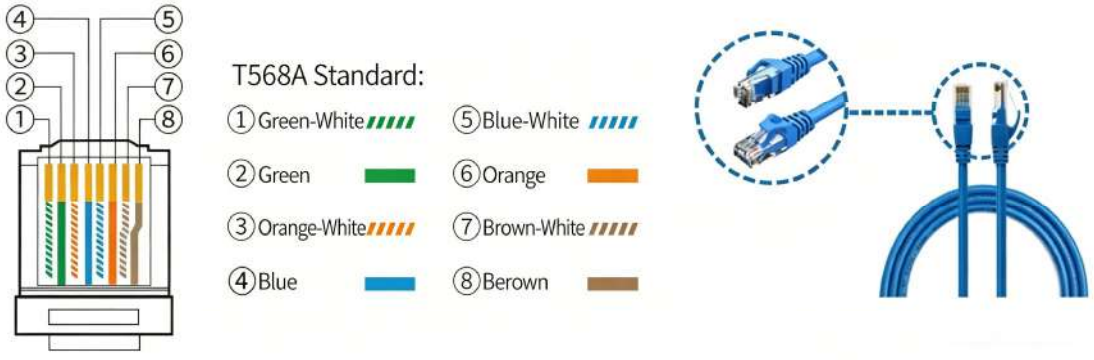


Figure (1)

4. System Wiring Topology

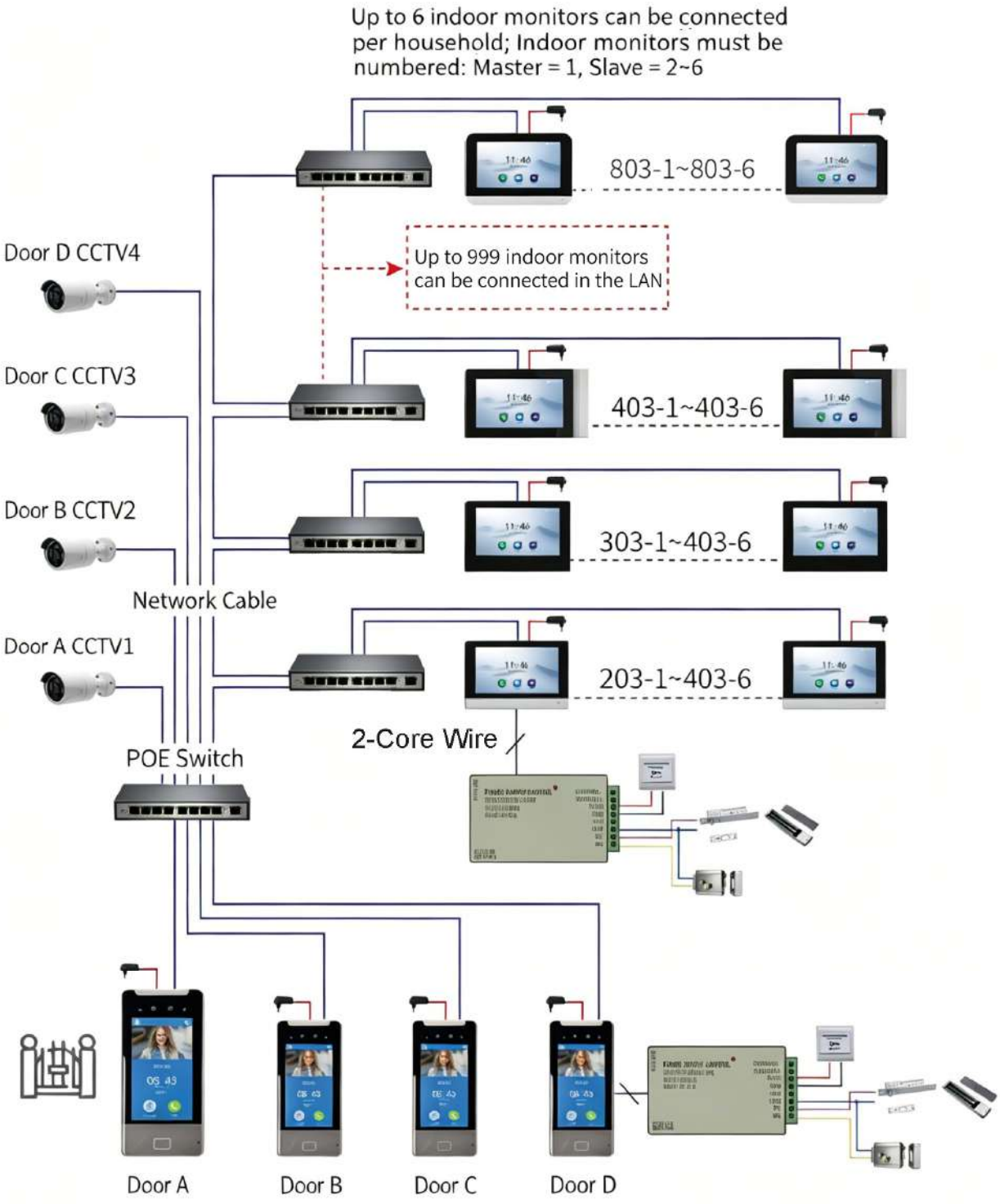


Figure (2)

5. System Wiring Diagram

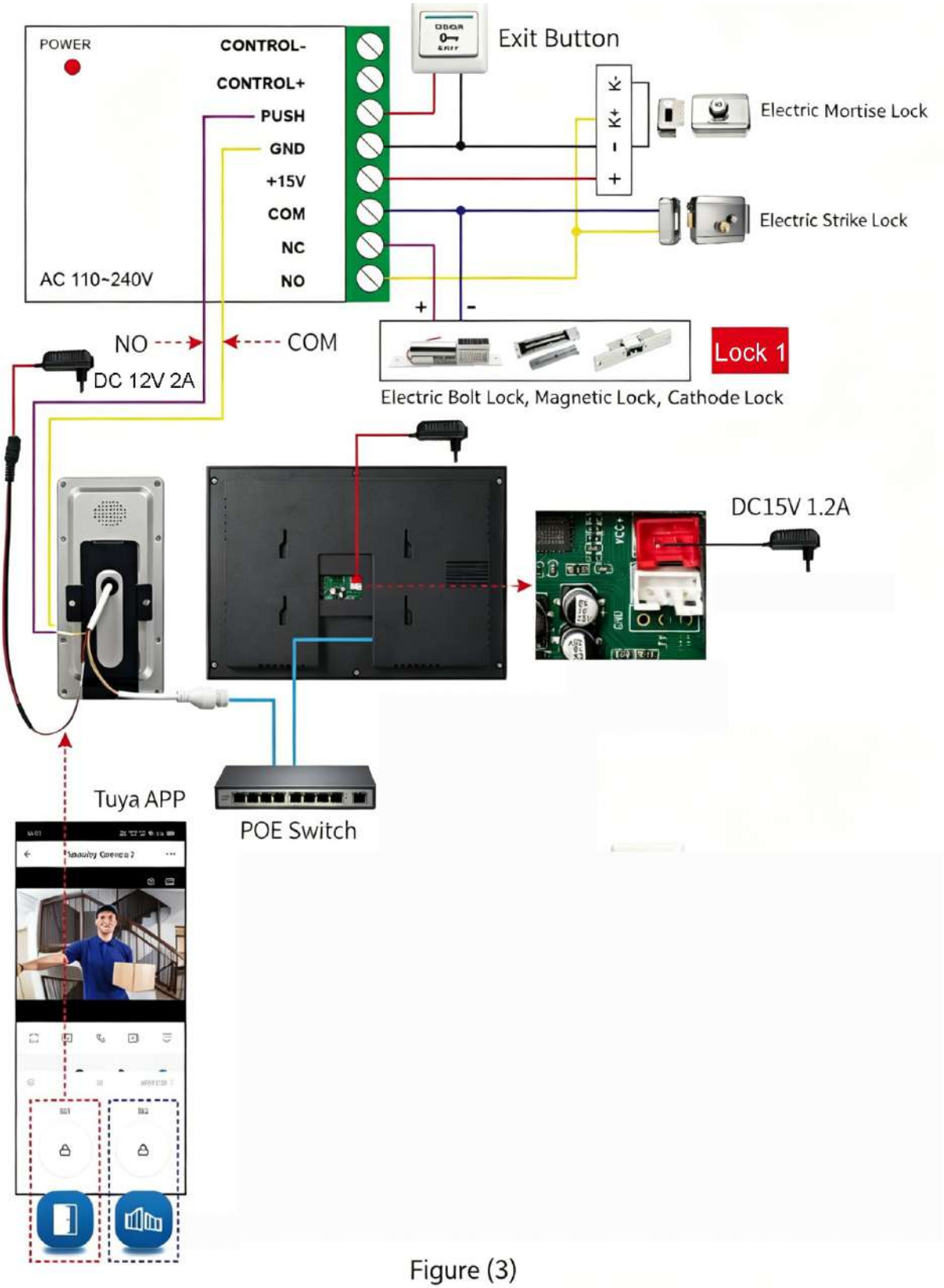


Figure (3)

6. Interface

6.1 Main Interface Functions



① LAN Status

Function: Displays in real time whether the door station is successfully connected to the local LAN.

② Face Recognition Capture Area

Function: Captures valid faces in the camera frame in real time and quickly enters face recognition comparison.

③ Password Unlock & Administrator Background

Unlock Password: 123456 (Factory default, modifiable)

Administrator Password: 666666 (For background only, modifiable, do not mix with unlock password)

④ Dialing & Calling

Function: Dials and calls online indoor monitors.

Figure (4)

6.2 Password Unlock & Room Calling

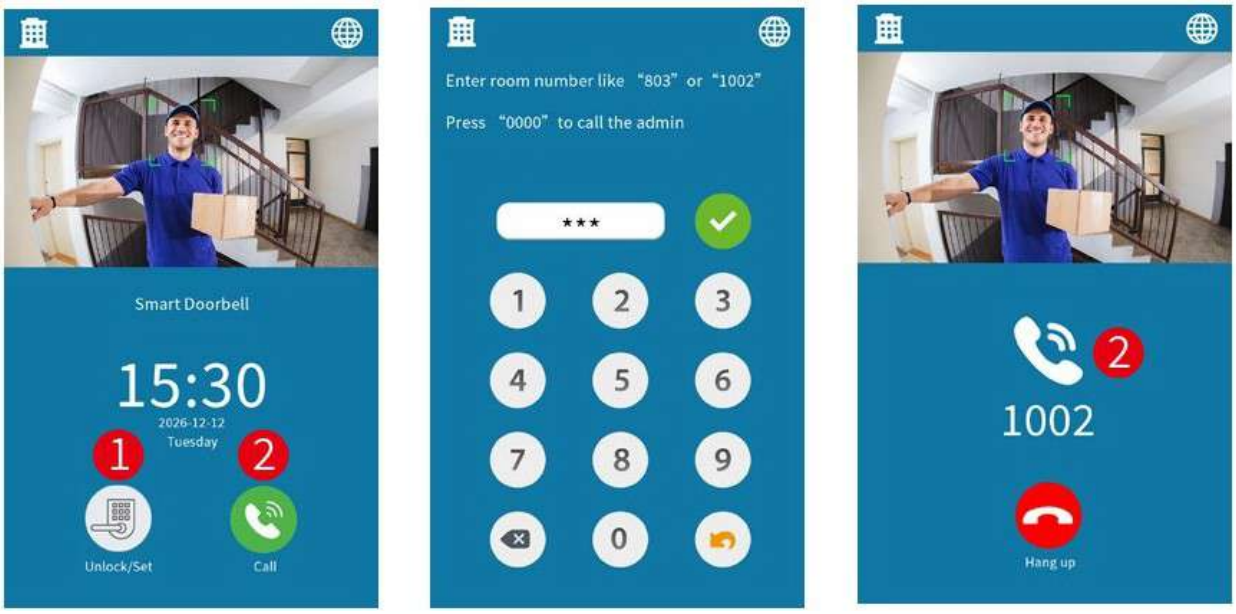


Figure (5)

① Password Unlock

Function: On the face recognition main interface, tap **[Unlock/Settings]** → enter the unlock password to unlock the lock connected to the door station.

Unlock Password: 123456 (Factory default, modifiable; see Section 8 Page 2 [System Settings] – [Unlock Password])

② Dialing & Calling

Function: On the face recognition main interface, tap **[Call]** → enter registered room number (e.g., 803 for Room 3, Floor 8; 1002 for Room 02, Floor 10) → tap “Call”. The system initiates a video intercom to the corresponding indoor monitor. The call can be established only when the room number is online. (Room number setup see indoor monitor user manual)

6.3 Administrator Settings

The system settings include 8 functions: System Settings, IC Access Card, Face Setting, Face Parameters, Pass Record, Call Method, Gate Device Setting, Device Info.



Figure (6)

① Enter Administrator Background

On the face recognition main interface, tap [Unlock/Settings] → enter administrator password: 666666 to enter the administrator background.

② System Settings

Language: Supports Simplified Chinese, English, Russian, French, Spanish, Portuguese. Takes effect immediately after switching, no reboot required.

Time Settings: After the device and indoor monitors form a LAN, once the indoor monitor is connected to Wi-Fi and bound in the Tuya App, the system automatically synchronizes time with the cloud (synchronization cycle ≤ 5 min), no manual calibration required.

Admin Password: Permission password for entering the “Administrator Background” menu can be modified to any 6-digit number and takes effect immediately.

Unlock Password: 1. Customizable 6-digit public unlock password; 2. Support enable/disable function; when disabled, password unlock is invalid, only face/IC card unlock remains.
Door Magnetic Alarm: 1. Enable: Local buzzer beeps continuously if the door is left open for a long time or opened violently; 2. Disable: Door sensor signal is still reported, but no alarm is triggered locally or on the cloud.
Software Update: Upgrade software version; no operation is required unless an upgrade notification is received.
Factory Reset: Restores system settings of the door station; IC cards, face data and access records are retained to avoid re-registration. The device reboots automatically after execution.
System Restart: Manual soft reboot, reboot time ≤ 15 seconds. Registered face/card data is not affected.

③ IC Access Card

Add IC Card: Enter 3–4 digit room number → confirm → place IC card on the reading area. A beep and “Added Successfully” prompt indicate binding.
Delete a IC Card:
Method 1: Enter 8–10 digit card number → confirm → “IC Card Deleted Successfully”.
Method 2: Swipe card directly → system auto-reads card number → confirm → “IC Card Deleted Successfully”.
Delete All Cards for a Room: Enter room number → confirm → delete all IC cards bound to the room at once. Irreversible.
Delete All User Cards: Clear all registered IC cards; face data is not affected. Data cannot be recovered after deletion.

④ Face Setting

1. Tap the “+” in the upper right corner of Face Management to enter enrollment mode.
2. The device automatically captures images; keep front-facing, unobstructed, and even lighting → tap confirm.
3. Enter user name and corresponding 3–4 digit room/employee ID → tap save. “Registration Successful” indicates completion.
Note: Each person can register only once. If a similar face is detected, “Registration Failed” will pop up.
Modify/Delete Face: Tap the target face in the list to re-upload photo, modify name/room/ID, or delete.

⑤Face Parameters

Live Detection: 1. Enable to automatically judge real humans and block photo/video/mask attacks. Takes effect immediately. 2. After enabling, recognition time increases by about 0.2–0.5 seconds.
Live Detection Accuracy: Higher value = stricter, safer, slower. Lower value = faster, weaker anti-attack.
Face Recognition Accuracy: Higher value = stricter, lower false recognition, slightly slower. Lower value = faster, higher false recognition risk.

⑥ Pass Record

View the latest 50,000 records in reverse chronological order, including:
Call Records — Room number, unlock time
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Delete Records: Tap the clear icon in the upper right corner, confirm twice to delete all records irreversibly.

⑦ Call Method

Villa Direct Call: For villas, ≤ 4 indoor monitors; all ring simultaneously.
Multi-Unit Dialing: For >32 households; visitors input full room number.
Direct press (no more than 32 households): For small apartments; auto-generate buttons 1–32.

⑧ Gate Setting

Gate ID: Unique in the same LAN.
Unlock Delay: 1–10 seconds (default 2 seconds).
Reminder Volume: 0–10 (default 3).
Ring Volume: 0–10 (default 5).
Talk Volume: 0–10 (default 7).
Name: Customizable display name (e.g., South Gate Master).

⑨ Device Info

Displays basic parameters such as IP address, software version, camera/screen parameters. View-only, non-editable.

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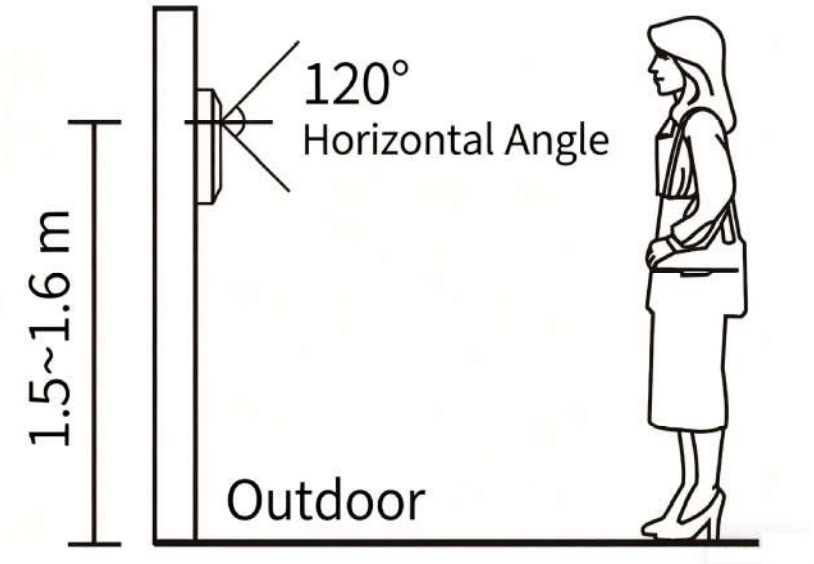
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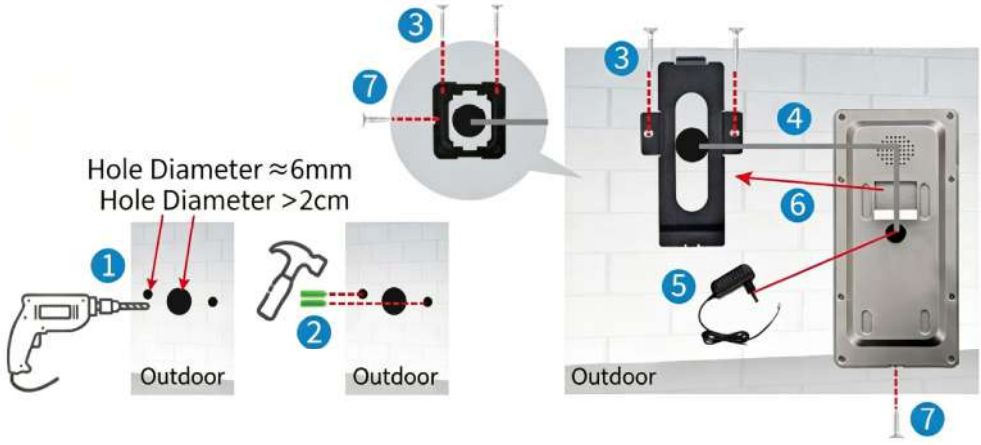
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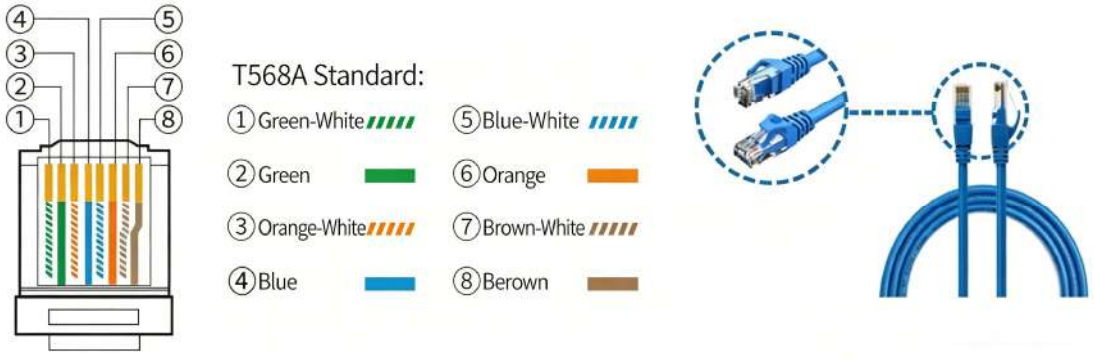


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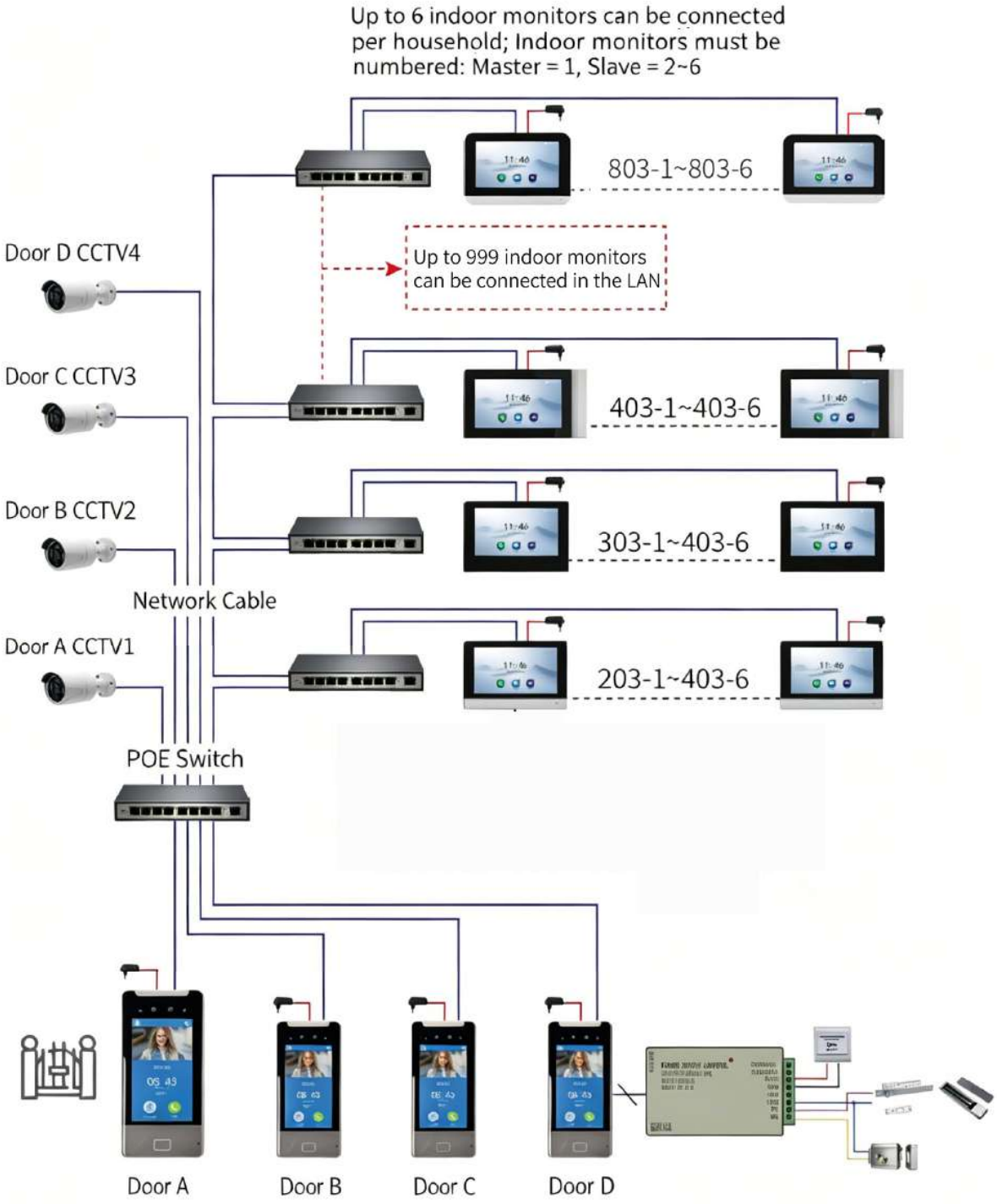


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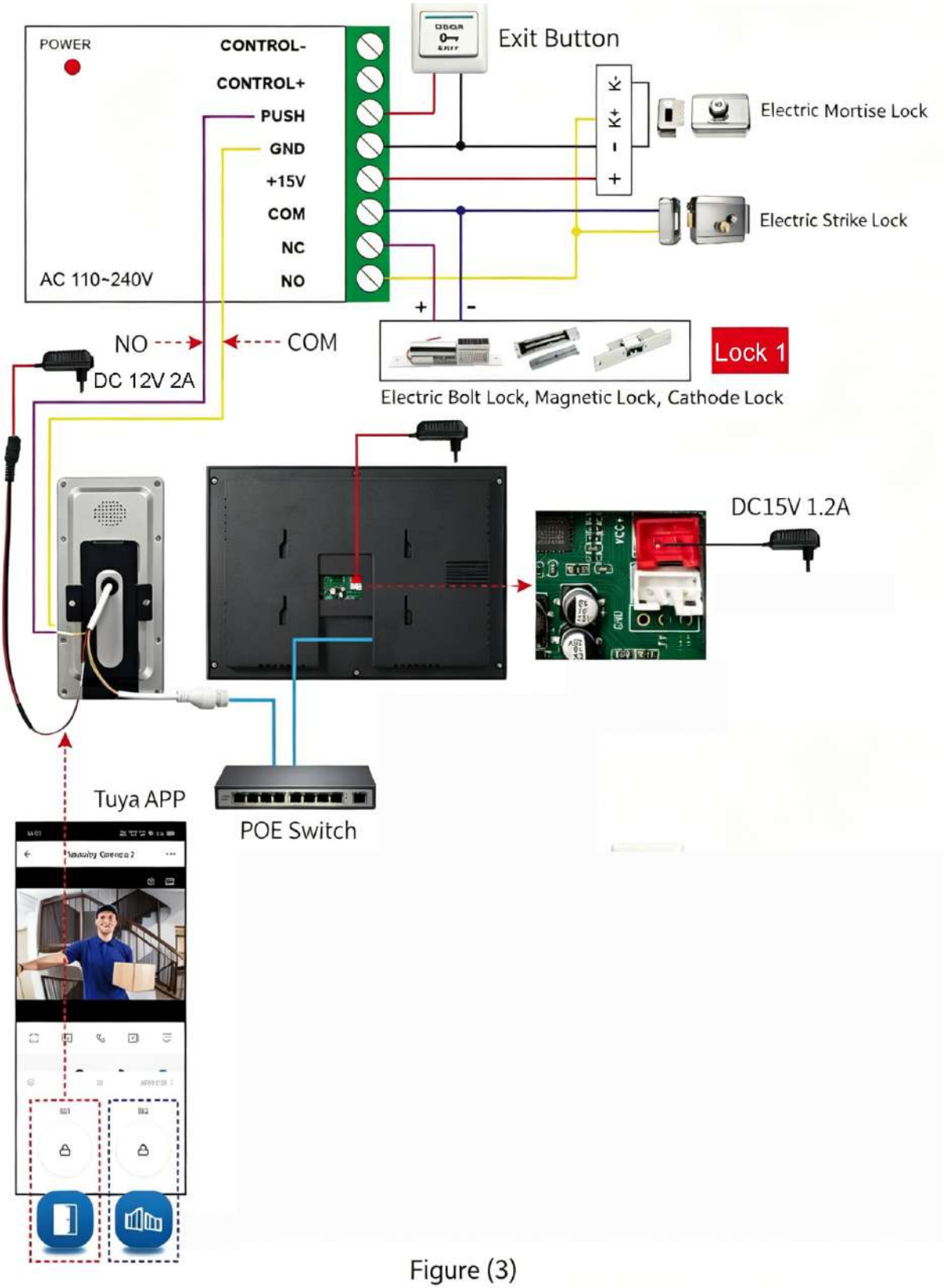


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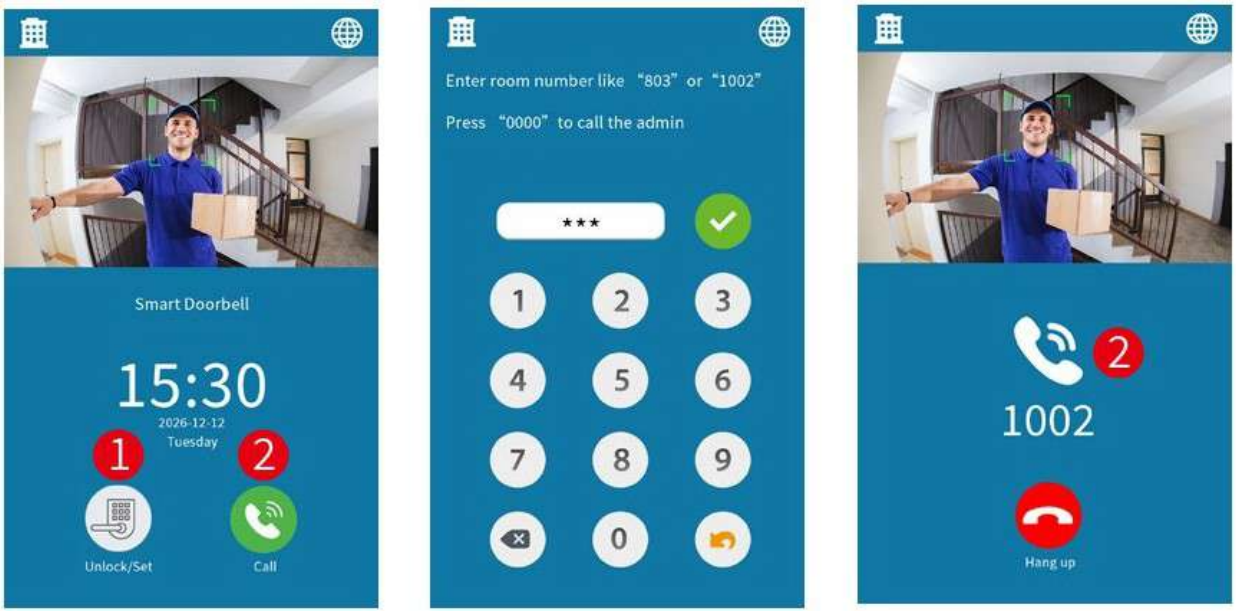


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