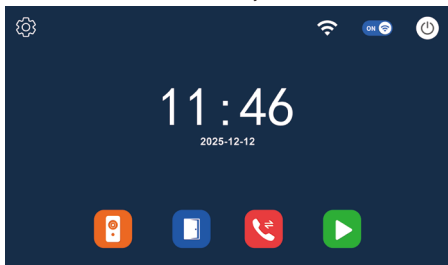


《Smart Wi-Fi Video Intercom System》

User Manual v1.0

Product interface shown for reference only



This series features 1-to-1 and 1-to-4 modes.
Please follow the instructions matching your model.

Due to ongoing system and product updates,
the actual product may differ slightly from this manual.
Please refer to your purchased unit.

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Precautions

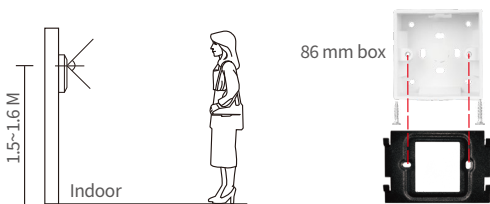
- 1) Do not mix with non-company products.
- 2) Power off during installation; route cables away from interference.
- 3) Do not disassemble; contact dealer or tech support for service.
- 4) Use specified cable only; improper type causes video interference.
- 5) Use supplied power adapter only; wrong voltage damages the unit.

1 Features

Screen	IPS 7 " touch screen, 1024×600 pixel display
Resolution	1080P
Network	Indoor monitor: dual-band 2.4 GHz / 5 GHz Wi-Fi
Power Adapter	DC15V 1.2A
Cable	RW 4-core cable
Monitoring Time	30s
Talk Time	90s
Functions	Auto-recording, intercom, unlock , brightness/contrast/saturation control, intercom volume1
TF Card	External TF card for video storage, up to 128 GB
Tuya App	Unlimited app accounts; up to 5 users can view live feed simultaneously
Playback	Monitor recording playback / visitor call recording playback

2 Installation Diagram

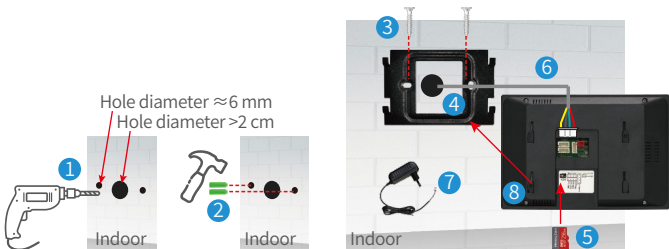
Mount indoor monitor with screen center 150–160 cm above floor; keep away from high-radiation devices. Fix bracket to wall, wood, door, or 86 mm box with screws.



Before installation, prepare bracket, screw pack (plastic anchors + screws) and tools (e.g. drill).

01. Drill 6 mm screw holes and >20 mm cable hole; keep drill vertical. Use expansion bolts for brick/concrete.
02. Tap plastic anchors flush with wall.

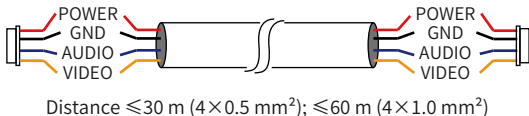
03. Align bracket, drive screws through it into anchors; tighten firmly without overtightening.
04. Feed cables through bracket hole; avoid pinch or wear; keep cables untwisted.
05. Insert TF card now if required.
06. Connect cables to monitor ports.
07. Plug in power adapter.
08. Hang monitor on bracket; ensure secure fit.



3 Cable Selection Criteria

For wire selection, see below—cable quality directly affects video & voice transmission distance.

A RVV 4-core cable



B Cat5e/Cat6 pure-copper 8-core network cable

(Use two cores as one; single core will not work)



Cat5e/Cat6 pure-copper 8-core network cable: distance ≤ 60 m

4 System Diagram (For 1-to-4 mode setup, follow this connection diagram)

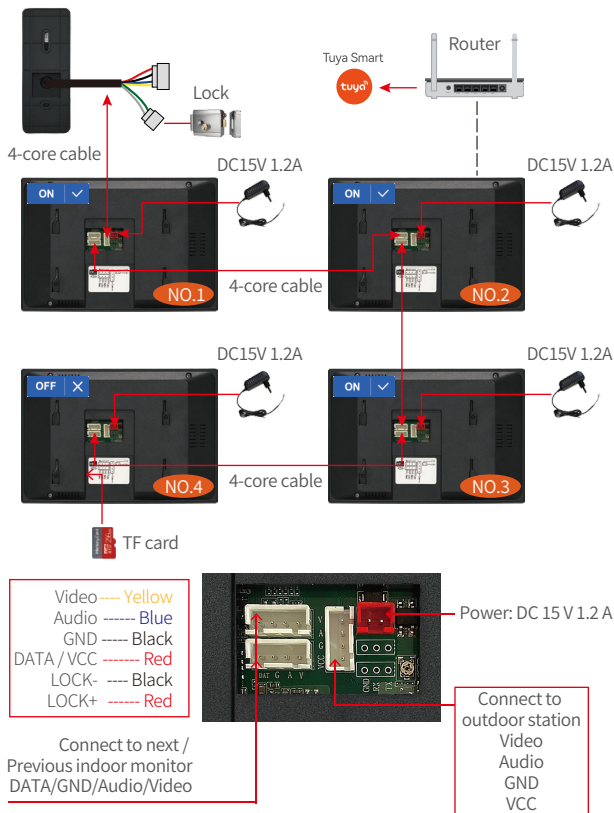


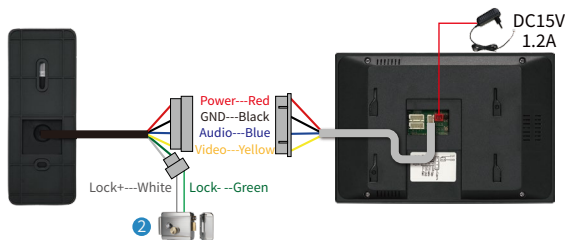
Fig. (1)

Note: Max 4 indoor monitors in series; supports intercom between extensions; any unit can perform network setup.

5 Wiring Diagram Switch on the indoor monitor power supply



A. Wiring Diagram for Electric Lock Connection



B. Door Access Power & Lock Connection Diagram

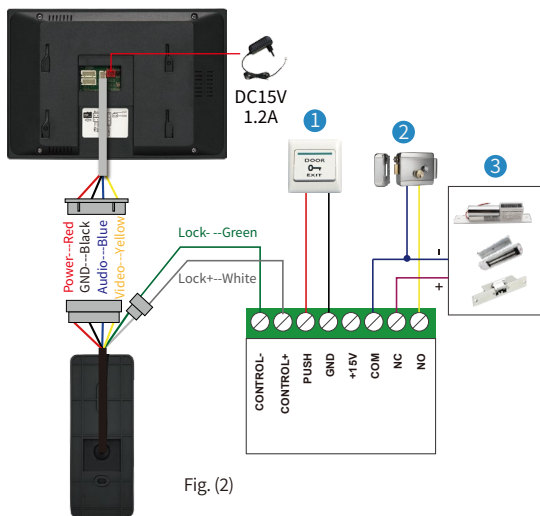


Fig. (2)

- ① Exit button
- ② Electric strike lock
- ③ Electric drop bolt lock, Magnetic lock, Cathode lock

6 Interface

A Main Interface Functions

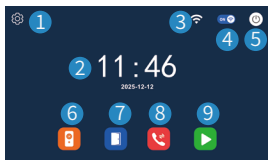


Fig. (3)

1 Settings

Function: see page 5, section B [Settings].

2 Time & Date

Function: adjust time & date—see page 6, section B [Settings] – Time & Date.

3 Wi-Fi Status

Function: displays current Wi-Fi status.

4 Bluetooth Pairing

Function: enable bluetooth pairing—steps on page 7, section G [Wi-Fi Setup & Tuya App Binding].

5 Standby

Function: turns off indoor-monitor screen in standby.

6 Monitor

Function: view live outdoor-station image.

7 Door lock

Function: unlock door lock wired to outdoor station—see page 4, Fig. (2) – Door Lock.

8 Internal call

This step is not required for 1-to-1 mode

Function: Intercom between monitors (additional monitor connected)

9 Playback

Function: one-tap playback to review recorded videos anytime.

B [Settings]

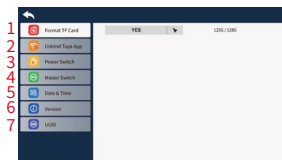


Fig. (4)

1 Format TF Card

Function: shows TF card free/total space; tap “” to format (all data erased).

2 Unbind Tuya App

Function: tap “” to reset network and unbind Tuya App.

3 Power Switch

Function: for card/keypad outdoor station, set switch to “” to power it from indoor monitor.

4 Multi-Monitor Connection Switch (Signal Boost Switch)

Function: When connecting only one indoor monitor, keep it " OFF X ".

Function: If ≥ 2 indoor monitors are connected, only set the last one to " OFF X ", keep all others " ON V ", as shown in Figure (1). (Default: " OFF X ")

Note: When connecting ≥ 2 indoor monitors, set intercom volume to

maximum for clear calls (see page 6, Fig. 6).

5 Date & Time

Function: 24-hour format; syncs with network time once bound to Tuya App.

6 Version

Displays firmware version; view-only, non-editable.

7 UUID

Displays unit UUID; view-only, non-editable.

C [Live View]



Fig. (5)

1 Settings (tap to expand)

-  Pick any call melody
-  Adjust call volume
-  Adjust screen saturation
-  Adjust screen contrast

1) Answer Call

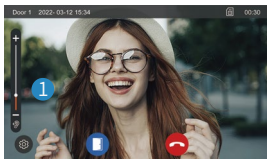


Fig. (6)

 Adjust screen brightness

2 Door lock

Function: unlock door lock wired to outdoor station—see page 4, Fig. (2) – Door Lock.

3 Answer Call

Function: press to answer and talk with outdoor station in real time.

4 End Call

Function: exit monitor/end call and return to main screen.

1 Settings (tap to expand)

-  After answering, adjust outdoor-station call volume.
Note: When connecting ≥ 2 indoor monitors, set intercom volume to maximum for clear calls.

D [Door lock]

From standby, tap “” to open the door lock wired to the outdoor station—see page 4, Fig. (2) – Door Lock.

E [Intercom]

The indoor call function is not available in 1-to-1 configuration.

01. With ≥ 2 indoor monitors, screen-to-screen intercom available: 60 s call, 90 s talk—wiring see page 3, Fig. (1).
02. No answer within 60 s: auto hang-up, no disturbance.
03. After 90 s talk: auto hang-up; press “Intercom” again to resume.

F [Playback]

01. Auto-records on active monitor or visitor call; saves to playback list (insert TF card first).
02. Silent monitor: 30 s default; tap screen to extend to 60 s.
03. Visitor call: 60 s total, covers ring + talk.
04. Export: eject TF card → card reader → PC → open “media” folder → copy .avi files.
05. Delete single clip: in playback, tap top-right trash icon.
06. Erase all: go to [Settings] – [Format TF Card].

G [Wi-Fi Setup & Tuya App Binding]

Switch the indoor monitor’ s bluetooth pairing key to “”, then use Tuya App for one-tap network setup. Read the steps below before starting.

1) Download the App

01. Search “Tuya Smart” or “Smart Life” in your phone’ s app store or Google Play.
02. Or scan the QR code on the right to download.



2) Register / Log In

1) Register on first use

01. After login, create a home: tap “Profile” → “Home Management” → “Create Home”, fill in and save. The creator becomes the owner and can manage members.
02. Once the owner adds the device, all family members see it in their app and can unlock.

2) Owner adds new member

01. Owner: “Profile” → “Home Management” → select home → “Add Member” → send invite code.

02. New member: “Profile” → “Home Management” → “Join a Home” → enter code → done.

3) Network-pairing steps(Supports 2.4 GHz / 5 GHz Wi-Fi)

Note: With ≥ 2 indoor monitors, any unit can perform pairing.

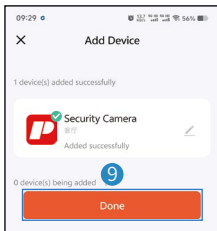
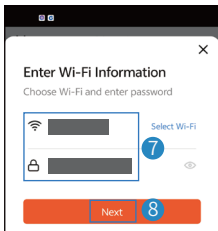
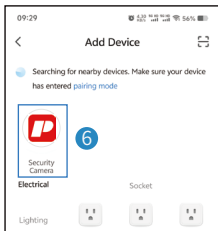
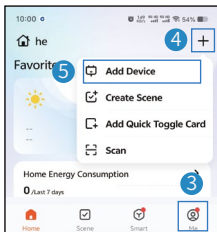
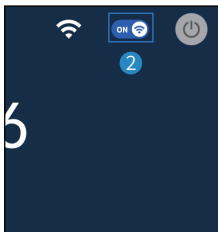
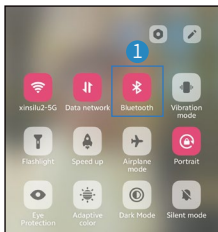
01. ① Enable phone Bluetooth “” → ② Power the indoor monitor → set its bluetooth pairing switch to “” .

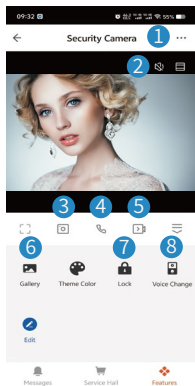
02. Open Tuya app → ③ “Profile” → ④ top-right “+” → ⑤ “Add Device” .

03. ⑥ Auto-search lists the device; tap to add.

04. ⑦ Enter Wi-Fi name & password → ⑧ “Next” .

05. Wait for connection → ⑨ “Done” → live view opens automatically.





- ① Settings
- ② Speaker: enable to hear outdoor sound
- ③ Photo: capture snapshot
- ④ Mic: tap to talk with outdoor station
- ⑤ Record: press once to start, again to stop
- ⑥ Album: snapshots & clips stored here; tap to view
- ⑦ Lock: One-touch unlock– wiring see Fig. (2)
- ⑧ Voice-changer intercom protects privacy for solo users, gender, age, etc.

01. No push on call: enable all app notifications; delay is usually network—check connection and retry.

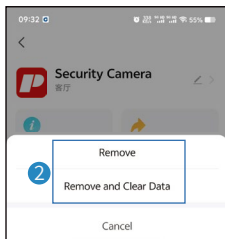
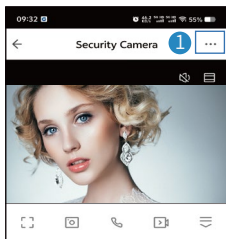
02. User management: owner can share to unlimited phones; max 5 simultaneous live viewers.

7 Remove Bound Tuya App

A. Remove from Phone

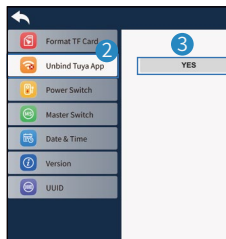
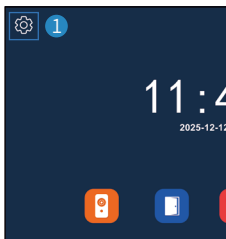
01. ① In Tuya app live-view, tap top-right Settings.

02. ② Choose “Unbind” ; device reboots and network is cleared.



B. Remove from Indoor Monitor(One-tap local unbind)

01. ① Tap the [Settings] icon “⚙️”
02. ② Select the [Unbind Tuya App] icon “📶✕”
03. ③ Tap “YES” → monitor reboots → Wi-Fi & Tuya App unbound → removal complete.



8. Product Structure

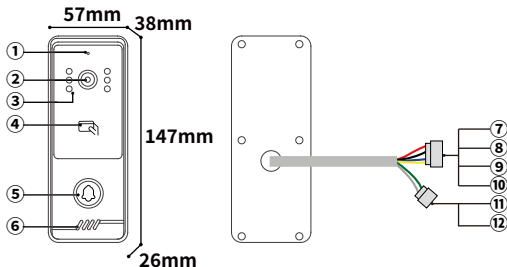


Fig. (7)

- | | |
|---------------------------------|-------------------|
| ①. Microphone | ⑦. Power (Red) |
| ②. HD Camera | ⑧. GND (Black) |
| ③. Infrared Night Vision Lights | ⑨. Audio (Blue) |
| ④. IC Card Swipe Area | ⑩. Video (Yellow) |
| ⑤. Call Button | ⑪. L- (Green) |
| ⑥. Speaker | ⑫. L+ (White) |

9 Features

Camera	2MP (1080P)
Camera Viewing Angle	120°
Night Vision Function	Infrared Night Vision
Visible Range (at Night)	0.2~3 m
Power Supply	Powered by Indoor Monitor
Audio Input	Microphone *1 (Omni-directional)
Audio Output	Built-in Speaker
Two-way Intercom	Supported
Unlock Methods	IC Card + NFC
IC Card Capacity	2,000 (1:N) (Standard)
IC Card Frequency	13.56MHz
Power Consumption	Standby: ≤2W Operation: ≤5W
Protection Rating	IP65
Operating Temperature	-30°C ~ +60°C
Operating Humidity	10% to 90% Relative Humidity (Non-condensing)
Housing Material	Aluminum Alloy + Acrylic Lens
Installation Method	Surface Mount (with Rain Cover)

Note:Some smartphones may not support NFC (mobile card-swiping unlock) functionality.

10 Learning to Create and Manage Cards

Note:

- 1). Please enable the power supply function at the indoor monitor end to provide the outdoor station with a 15V DC power supply to ensure its normal operation. For specific operating methods and function details, please refer to the indoor monitor user manual.

- 2). Before performing the following steps, please read the operating procedures carefully. If there is no continuous operation within 10 seconds during the operation, the system will automatically exit the operation interface after beeping twice ("drip, drip"), resulting in an unsuccessful operation. In this case, you need to repeat the operation.
- 3). The management card has been added at the factory (ADD for adding a card, DEL for deleting a card). If the management card is lost, you can create and add a new one according to the operating instructions.

Functions	Operating Procedures
Register Management Card / Reset Management Card	Connect the indoor monitor to the outdoor station with the terminal wires. Without power, long press the call button on the outdoor station → Keep the call button pressed and power on the device → After the device is powered on (the buzzer sounds "beep" once), release the call button on the outdoor station → Swipe the first card to add (ADD) (the buzzer sounds "beep" once) → Swipe the second card to delete (DEL) (the buzzer sounds "beep" once). The operation is now complete.
Add User Card	Swipe the ADD card (the buzzer sounds "beep" once) → Swipe a blank user card (the buzzer sounds "beep" once; if you want to add multiple user cards at the same time, you can swipe blank cards continuously) → Swipe the ADD card again to confirm (the buzzer sounds "beep beep" twice, exiting the operation) → The operation is now complete.
Delete a Single User Card	Swipe the DEL card (the buzzer sounds "beep" once) → Swipe the user card to be deleted (the buzzer sounds "beep" once) → Swipe the DEL card again to confirm (the buzzer sounds "beep beep" twice, exiting the operation) → The operation is now complete.

Delete All User Cards	Swipe the DEL card (the buzzer sounds "beep" once) → Swipe the ADD card (the buzzer sounds "beep" once) → Swipe the DEL card again to confirm (the buzzer sounds "beep" once) → The buzzer then sounds "beep beep beep beep beep beep beep" seven times (all user cards are cleared and deleted) → The operation is now complete.
Invalid Card Swipe	The buzzer sounds "beep beep beep" three times.

Note: If the outdoor station does not respond to card swipes, please check if the power supply function for the outdoor station is enabled at the indoor monitor.

11 Installation Instructions

A. Outdoor Station Installation Positioning

Determine the installation location and height of the outdoor station; the recommended installation height is with the camera center 150cm to 160cm above the ground.

B. Rain Cover Installation Steps for the Outdoor Station

Before starting the installation, please prepare the rain cover, screw pack (including plastic wall plugs and screws), and ensure you have the appropriate tools (such as a power drill).

- 1). Drilling: Use a power drill to make holes at the installation location, with a hole diameter of about 6 millimeters. Please pay attention to keeping the drilling vertical and stable to ensure the stability of the subsequent installation.
- 2). Installing plastic wall plugs: Gently tap the plastic wall plugs into the holes that have just been drilled, ensuring that the wall plugs fit tightly against the wall.
- 3). Securing the rain cover: Place the rain cover in the appropriate position, pass the screws through the rain cover, and screw them into the plastic wall plugs to firmly fix the rain cover to the wall. Make sure the screws are tightened, but do not over-tighten to avoid damaging the screws or the rain cover.

C. Outdoor Station Installation Steps

- 1). Remove the outdoor station and the cable. Pass the cable through the reserved hole in the rain cover of the outdoor station to ensure that the cable is not squeezed or worn by the rain cover.
- 2). Organize the cable to ensure that it is not tangled or knotted. Then correctly connect the cable to the interface of the outdoor station.
- 3). Hang the outdoor station flat on the already fixed rain cover to ensure that it fits tightly against the rain cover.
- 4). Secure the outdoor station to the rain cover with screws at the bottom to ensure that it is firmly and stably fixed.

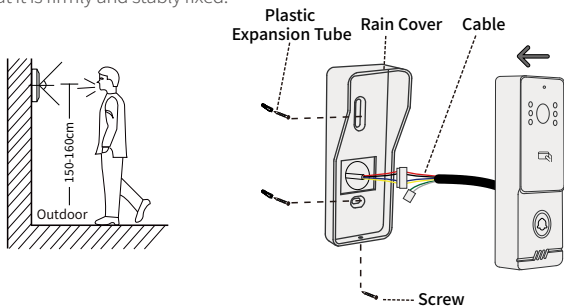


Fig (8)

Precautions:

- 1). Power Off for Installation: Turn off the power before installation.
- 2). Avoid Interference: Keep the device away from high radiation equipment, AC power lines (maintain a distance of more than 60cm), damp environments, magnetic fields, and chemicals. Also, avoid pointing the lens directly at the sun or reflective surfaces of strong light sources to ensure proper operation and longevity of the device.
- 3). Waterproofing: Ensure that the contact surface between the rain cover and the wall is properly sealed with waterproof sealant to prevent water ingress.
- 4). Check Stability: After installation, gently shake the outdoor station to ensure it is firmly attached and stable.
- 5). Prevent Damage: During installation, avoid applying excessive force to the outdoor station or cables to prevent damage to components.

