

tuya ICMSA-TY Smart Video Intercom with 2MP Camera



tuya ICMSA-TY Smart Video Intercom with 2MP Camera User Manual

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tuya ICMSA-TY Smart Video Intercom with 2MP Camera



Specifications

- **IP Rating:** IP65
- **Features:** Infrared night vision, NFC, IC card swiping

Product Information

• Product Structure

The product consists of an outdoor unit equipped with an HD camera, infrared night vision light, green indicator for unlocking status, and blue indicator for standby status.

• Product Parameters

Refer to the user manual for detailed product parameters.

• Operating Instructions

Read the instructions carefully before use to ensure correct product usage.

• System Information

Refer to the user manual for system information.

• Wiring Diagram

Refer to the user manual for the wiring diagram.

• Operating Instructions on Wi-Fi Network Connection

Refer to the user manual for Wi-Fi network connection instructions.

• APP Instructions

Instructions on using the mobile app include functions like mute mode, video recording, intercom volume control, and more. One account can be linked to one device at a time.

Installation Instructions

- Determine the installation location and height (145-160cm from ground).
- Avoid direct sunlight during installation.
- Drill the wall for embedding power cord.
- Route the power cable through the bottom box and fix it on the wall.
- Connect power cable to the wiring terminals on the back of the outdoor unit.
- Seal the unit with sealant for waterproofing.

Operating Instructions for Nameplate Placement

Follow the instructions in the user manual for placing nameplates correctly.

BOX CONTENT



Matters needing attention

• Test before installation

Open the package, check whether the accessories are complete, use the original test cable for the outdoor unit and indoor unit, whether it work normally, and then install.

Note: The wiring must be strictly in accordance with the connection diagram of the manual, otherwise the function not be used normally, or even damage the equipment; please refer to the purchased access control power supply manual for the use of the access control power supply, which is not included in the set.

• Maintenance

- Don't use it with any product not produced by our company;
- Users shall follow the user manual strictly to install and test the product. Please call our company for technical support if you have any question.

Product structure

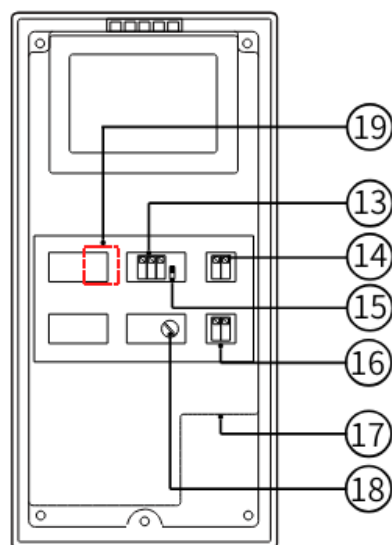
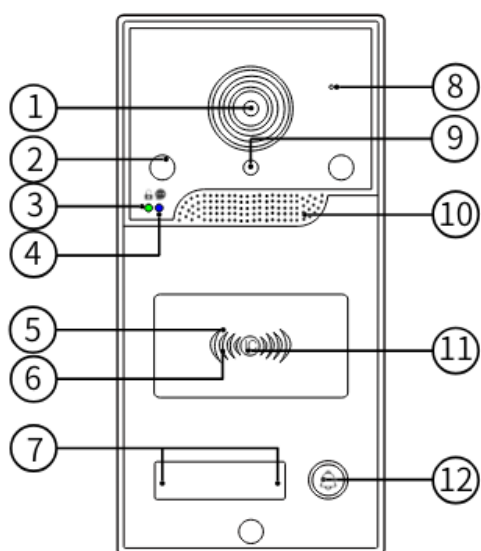


Figure 1

1. HD camera
2. Infrared night vision light
3. Green indicator representing unlocking status
4. Blue indicator representing standby status
5. Green indicator representing swiping/adding user card status
6. Red Indicator representing deleting user card/unregistered card Status
7. White indicator representing door number
8. Microphone
9. Night vision sensor
10. Speaker
11. White indicator light representing standby status
12. Call button
13. Pressing type conductive signal port
14. Pressing type electric lock port
15. Reset the management card toggle switch
16. Pressing type DC15V 1.2A power portort
17. Network cable port
18. Unlocking delay regulator
19. Built-in TF card, supporting up to 128GB (Rear cover to be disassembled)

Product parameters

Camera	2 megapixel
Power supply	Outdoor unit power supply(15V 1.2A)/national standard POE power supply
Power	Standby: $\leq 3W$
IC card frequency	13.56MHz
Camera angle	120 ° Wide-angle
Night vision sensitivity	0.001 Lux
Night vision distance	10M
Night vision function	Infrared night vision
Working temperature	-30 ℃ ~60 ℃
Waterproof class	IP65
Installation method	Embedded installation
Integral unlocking time	1-20S
Material	Aluminum alloy+ABS engineering plastic
Unlocking type	Mobile phone APP remote unlocking/IC card swiping/ NFC
Number of IC cards	2000 PCS
Card reading time	1s
Size	173*85*41mm

Operating instructions

1. Restore factory settings

After connecting the device correctly, Power on for 10 seconds → The blue indicator light flashes slowly in standby status (Figure 1.4)→ Press and hold the call button for 10 seconds until the blue indicator light goes out → Release the button → The blue indicator light enters slow flashing again → The factory settings are restored successfully.

2. Learn to create management cards

Note: Before the following steps, please read the operation steps carefully. If there is no continuous operation action within 10 seconds during the operation process, the system will automatically exit the operation interface after the system “Didi” twice. If the operation fails, it needs to be re-operated.

1. Registration management card

First, when the outdoor unit is not connected, the Down-toggle learning management card switch (Figure 1.15) Then connect the outdoor unit (buzzer “Drip” once) → The green indicator light flashes (Figure 1.5), swipe the first additional card (green card) (buzzer “Drip” once) → Swipe the second deleted card (red card) (buzzer “drip” once) → The outdoor unit power off→ Dial the learning management card switch up and reset → The management card is completed.

2. Add user card

Swipe the additional card (green card) (buzzer “Drip” once, and the green status indicator in the IC card swiping area is long on) → Swipe the blank card again (buzzer “Drip” once, and if you want to add multiple user cards at the same time, you can continuously swipe the blank card) → Swipe the additional card (green card) again to confirm (buzzer “Drip” twice, and the green light goes off to complete the addition)

3. Delete User Card

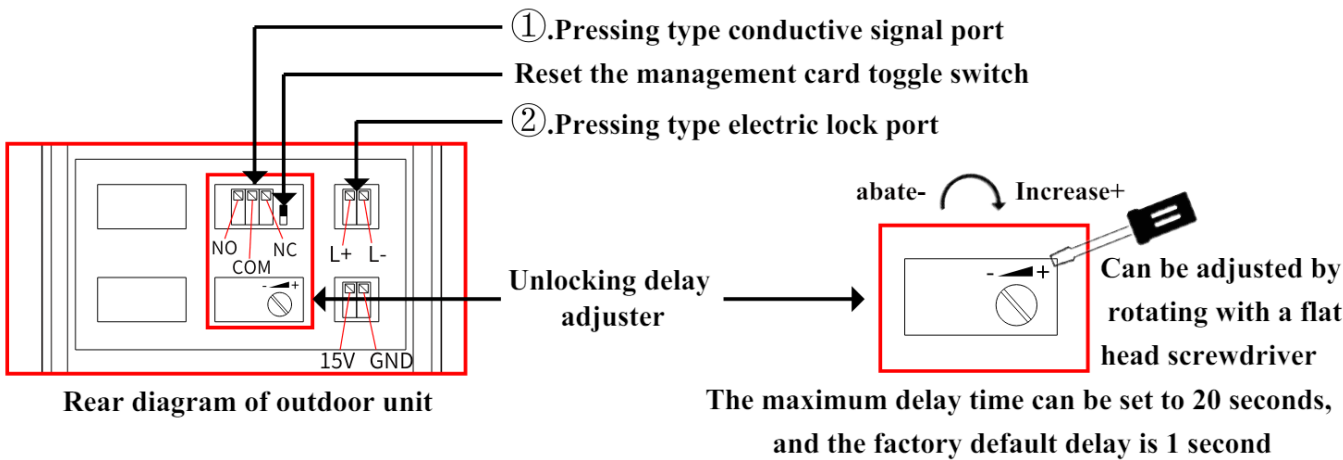
Swipe the deleted card (red card) (buzzer “Drip” once, and the red status indicator in the IC card swiping area is long on) → Swipe the card to be deleted again (buzzer “Drip” once) → Swipe the deleted card (red card) again to confirm (buzzer “Drip” twice, and the red light goes off to complete the deletion)

4. Delete all user cards

Swipe the deleted card (red card) (the buzzer “Drip” once, and the red status indicator in the IC card swiping area is long on) → Swipe the additional card (green card) again, and the buzzer “Drip” once. Swipe the deleted card (red card) again to confirm (the buzzer “Drip” once, and the red light flashes quickly) → The buzzer “Drip” continuously for 7 times, then the user card is all cleared and deleted.

System information

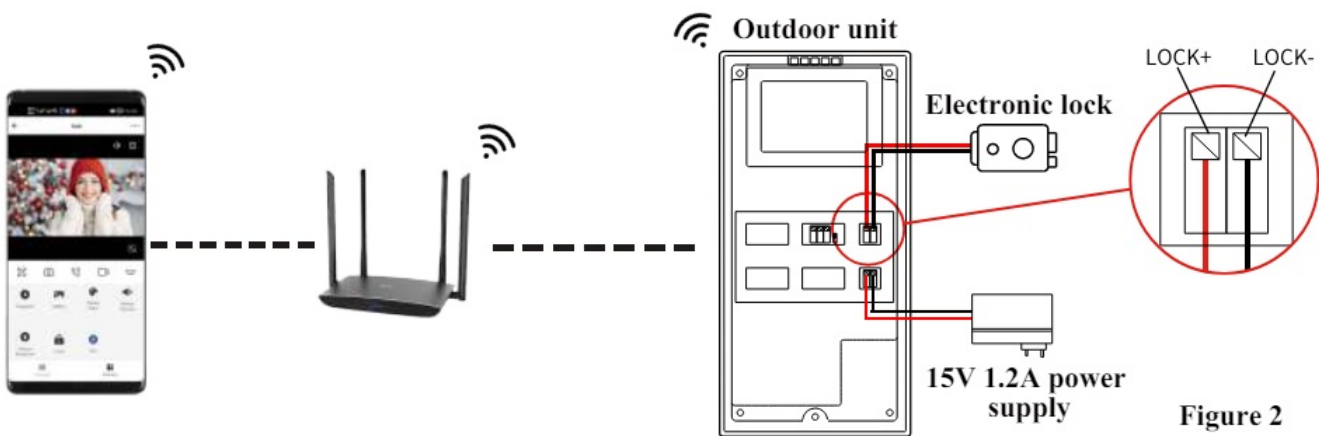
Set the unlocking delay adjuster



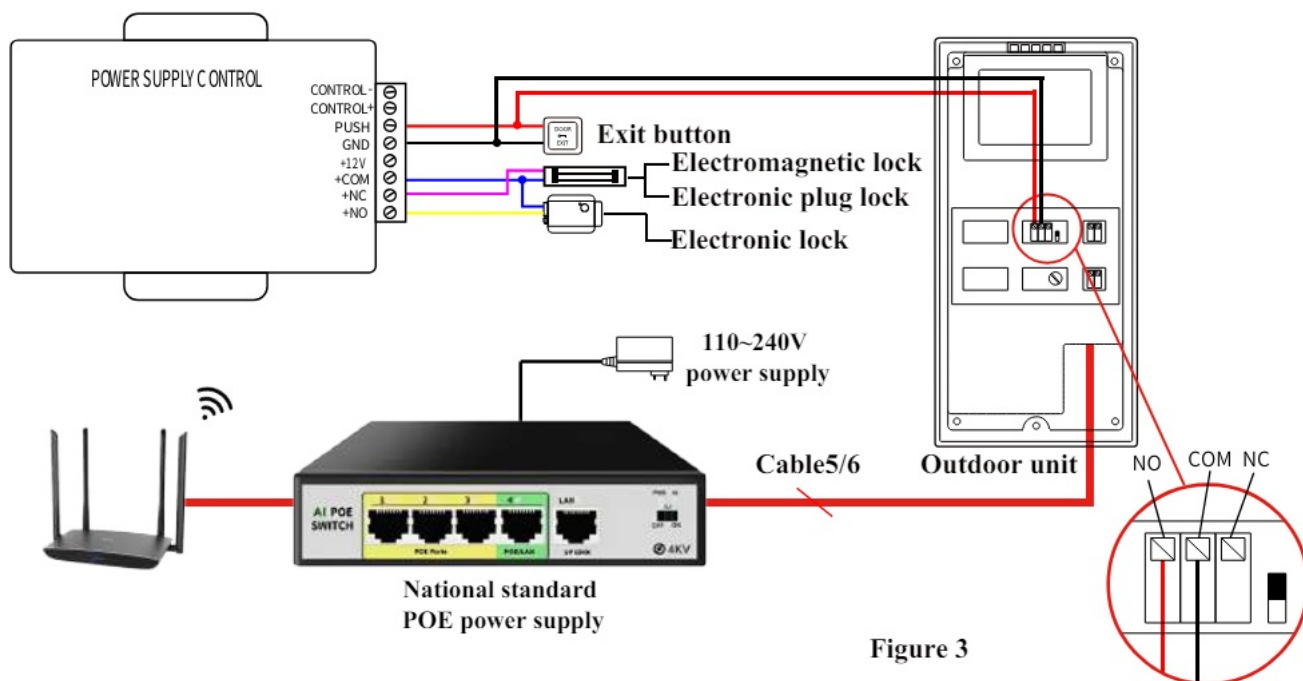
Note: If the electric lock is connected, it doesn't need to adjust the delay time

Wiring diagram

Wiring Diagram of Entry Electronic control lock



Wiring diagram of door access control system



Note: For the operation of access control power supply, please refer to the operation manual for the access control power supply purchased by yourself.

Operating instructions on Wi-Fi network connection

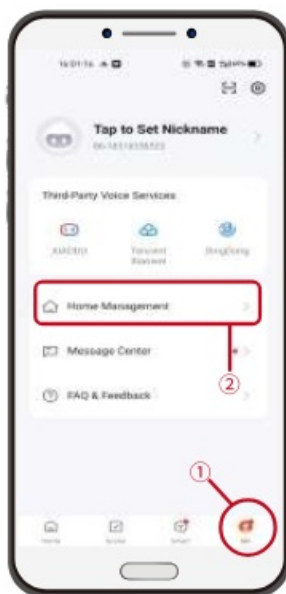
Download TUYA APP and complete the registration



Apple / Android
Scan QR Card Download APP

Create a Family Group

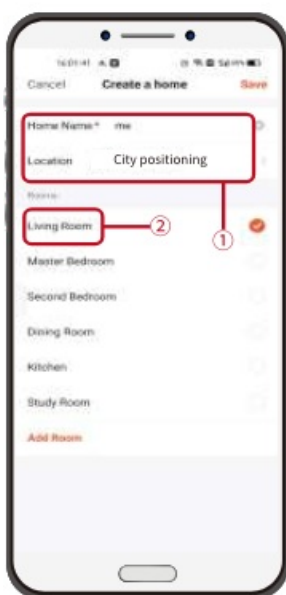
1. Open app Click ① “Me” Select ② “Home Management”
2. Click ① “Create a home”
3. Create ① “Home name” ② and select “City positioning” ② Select a room location
4. Click ① “Home page” ② Click the top left corner Select the “Family name” you just created in “My home”



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5. Now, the Family Group is created

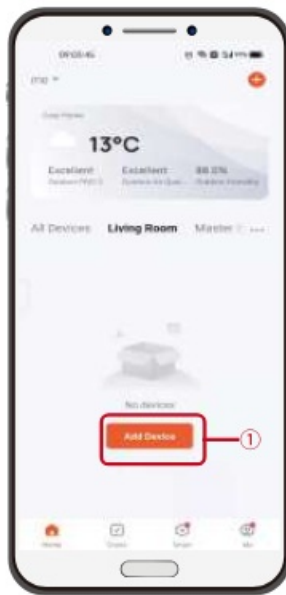


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Method 1(Wireless Network Connection)

Power on the machine (as shown in Figure 2) → Standby indicator flashes (as shown in Figure 1.4), and 01 02 Startup tone is heard → Open TUYA APP → Follow the following steps.

1. Click ① “Add device”
2. Click ① “Camera & Lock” ② Select “Smart camera (Wi-Fi)”
3. Click ① in the upper right corner to select “QR Code for Network Connection”, ② Tick and Click “Next”.
4. Select 2.4GHz Wi-Fi Network Enter ① “Current WiFi name and password” Click ② “Next”



01



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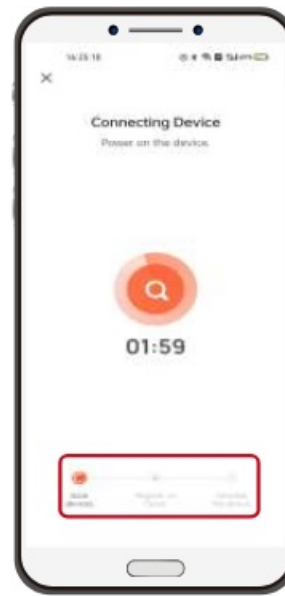


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5. Make the camera of the outdoor unit directly face to the pop-up QR code, with a scanning distance of 15-20cm, ① click “Hear the prompt tone” after you hear it
6. The mobile phone starts to connect to Wi-Fi



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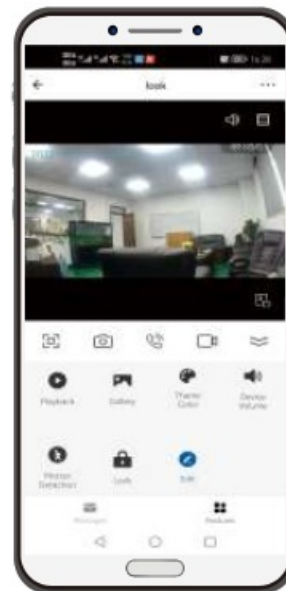


7. ①click “Complete” in the upper right corner after successful network pairing

8. Now, network connection is complete



07



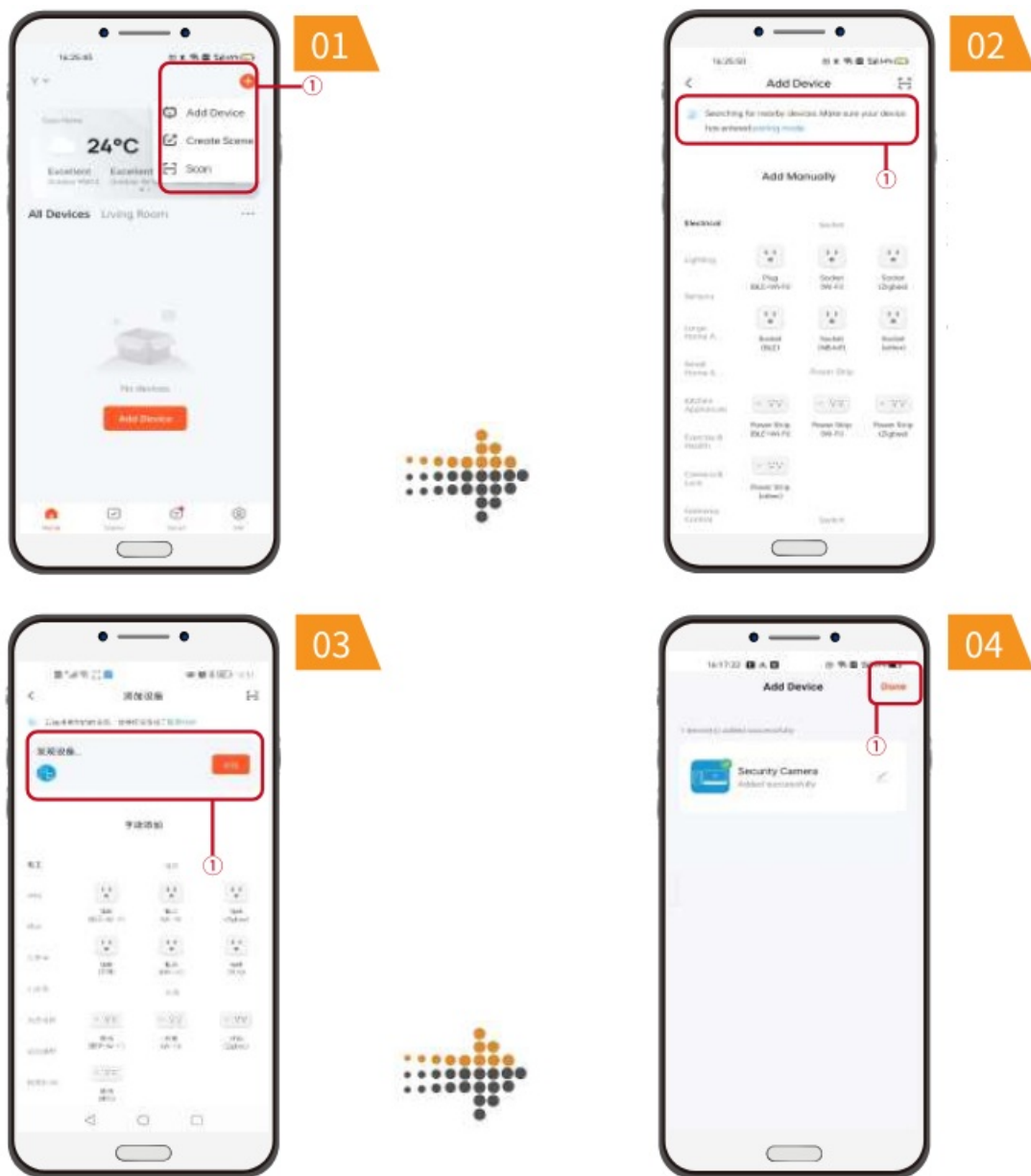
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Method 2(POE Switch Wired Network Connection)

Power on the POE switch → Connect the network cable to the outdoor unit → Connect the network cable to the switch → Connect the phone and router in the same WIFI(as shown in Figure 3)

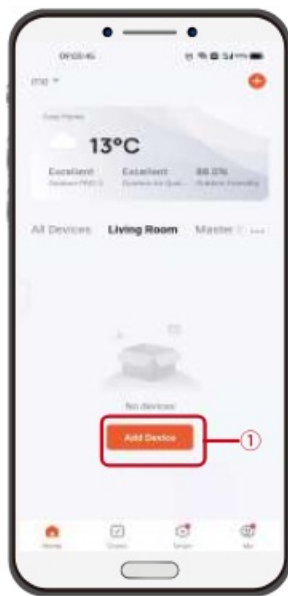
1. Click ① in the upper right corner “+” and select “Add Device”
2. Activate the phone Bluetooth, ① System will automatically search for the device or the searched device will pop up
3. ① When the device is found, click “Add”
4. ①click “Complete” in the upper right corner after successful network pairing



Method 3(Router Wired Network Connection)

Connect the network cable to machine and power on → Connect the network cable to router → Connect phone and router in the same WIFI

1. Click ① “Add device”
2. Click ① “Camera & Lock” ② Select “Smart camera (Wi-Fi)”
3. Click ① in the upper right corner and select “Wired Network Connection”
4. ①Tick the option,
②Click “Next”



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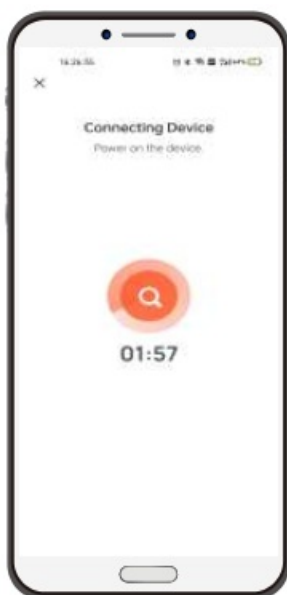


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5. The mobile phone starts to connect Wi-Fi

6. ①click "Complete" in the upper right corner after successful network pairing



05

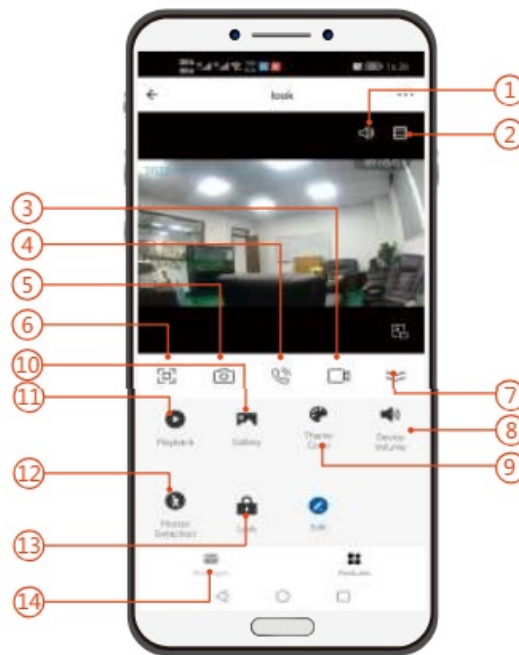


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APP instructions

Introduction of functions on the APP interface



1. Mute mode
2. Magnification display
3. Video recording
4. Microphone
5. Photograph
6. Full-screen display
7. Hidden menu
8. Intercom volume.
9. Set theme colour
10. The storage location of photo and video recordings
11. The storage location of call and motion detection recordings
12. Open or close motion detection
13. Remote unlocking button
14. Call message list

Note: One account for one device only. Please delete the bound device before connecting to new account; otherwise, the new device may fail to be added.

Add members

1. Take out the mobile phone bound with the device, enter the APP, click "My" in the lower right corner → select "Family management" → select the created family group → "Add members" → invite members to join through "WeChat", and click on the members you want to invite to "Share" the invitation code.
2. The invited members shall also download the "TuYa smart" APP and log in (without binding the device)→ click "My" in the lower right corner → select "Family management" → join a family → open "WeChat" to view the invitation code → return to the APP and enter the invitation code.
3. On the bound mobile phone, click "Family management" → select family → view the newly added family

members → The number marked with “Family owner” is the main number → you can click family members for editing → there are functions of “Family role” / “Remove from family”, etc.

4. Newly added members shall click the “Home page” → click “My home” on the upper left corner to select “Home name” to keep the home on top.
5. The dominant administrator of a family can share and add unlimited mobile phone users, and remotely monitor and view the outdoor conditions with 5 mobile phones at the same time.

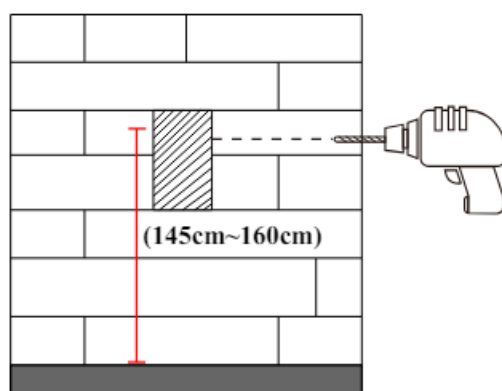
How to open motion detection

Click the motion detection icon to open it. Any moving object will automatically open its recording function, and click the icon again to close the motion detection.

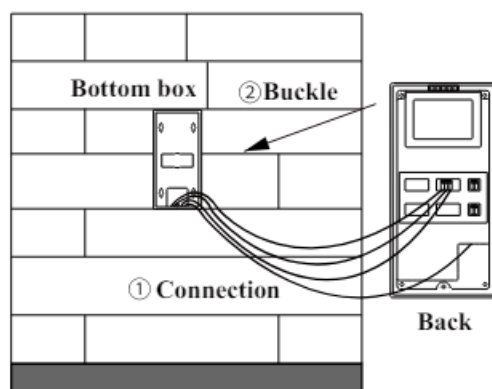
Playback function

Only the recordings of calls and motion detection can be played back.

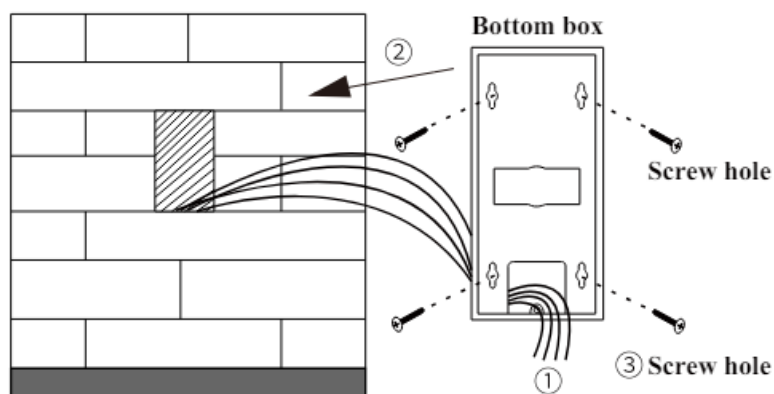
Installation instructions



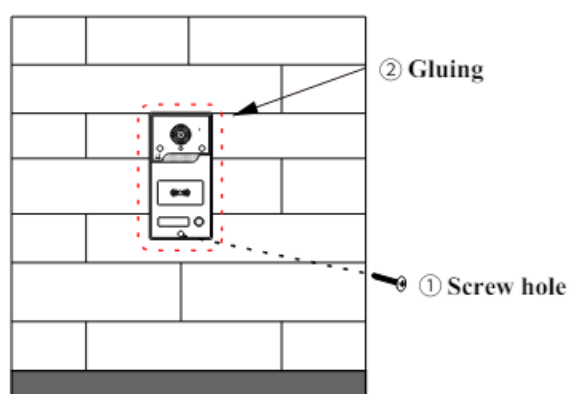
1. Determine the location and height for installation; the reference height is 145-160cm from the Camera center to ground;
2. It's required to avoid installing the outdoor unit at any place with strong direct sunlight;
3. Locate the position and groove the wall with a percussion drill, with a depth of about 3 cm;
4. Embed the required power cord.



1. Correctly connect the power cable to wiring terminals on the back of the outdoor unit ;
2. Buckle the outdoor unit into the bottom box that has been fixed on the wall.

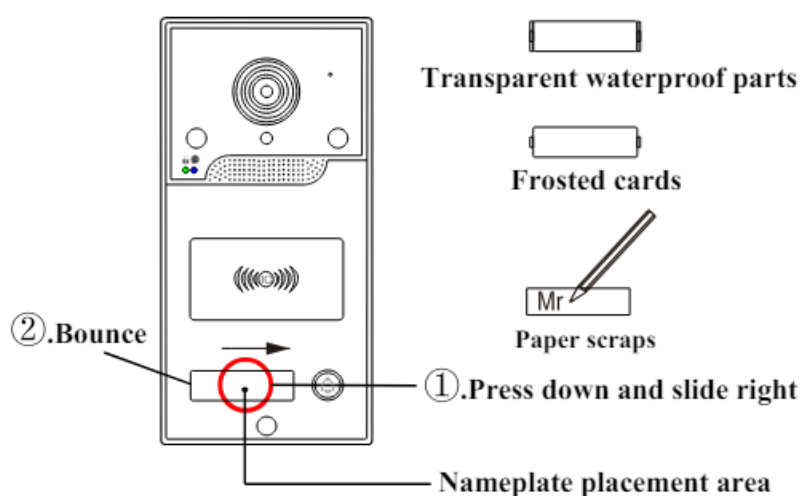


1. Route the power cable through the built-in bottom box of the outdoor unit;
2. Arrange and finish the power cord and fix the bottom box on the wall slot position;
3. Attach the box to the wall with expansion screws.



1. Fix the outdoor unit with screws
2. Seal the periphery of the outdoor unit with sealant to ensure waterproof edges;
3. The installation is completed.

Operating instructions for nameplate placement



1. You can fill in the floor/nameplate and other information as you like.
2. Press down the middle area of the transparent part and slide right;
3. The transparent piece bounces, and remove the built-in transparent card and paper;

4. Fill in the information and put it back into the card slot to complete the operation.

FAQ


How to open motion detection?

Click the motion detection icon to open it. Any moving object will automatically trigger recording. Click the icon again to close motion detection.

Can recordings be played back?

Only call and motion detection recordings can be played back.

Documents / Resources

	tuya ICMSA-TY Smart Video Intercom with 2MP Camera [pdf] User Manual ICMSA-TY, ICMSA-TY Smart Video Intercom with 2MP Camera, Smart Video Intercom with 2M P Camera, Video Intercom with 2MP Camera, Intercom with 2MP Camera, 2MP Camera, Came ra
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References

- [User Manual](#)

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