

# Installation Manual and Programming Guide



**VIDEO INTERCOM SYSTEM**  
Indoor Smart Monitor with Tuya app

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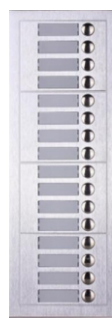
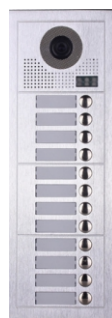
## Using Your Intercom

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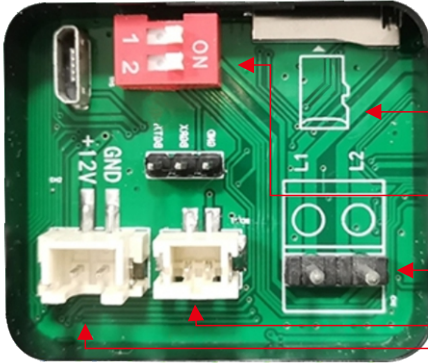
## Product introductions

- (1) Indoor monitor adopts multi-point capacitance touch screen, which is more stable and easier to operate.
- (2) 7-inch HD digital monitor with photo, video, visitor records and calendar functions.
- (3) Indoor monitor can manually and automatically take pictures, message function, ring back, the maximum support is 64G TF card.
- (4) Indoor monitor with monitoring, intercom, unlocking, photo-taking or video playback.
- (5) Volume, brightness, contrast and color adjustable, lock-in latency adjustment, multilingual OSD menu, the system supports 6 different languages: English, Russian, French, Spanish, German and Simplified Chinese
- (6) The indoor monitor can support the connection to five mobile phone APP users, and those mobile phone can monitor and unlock, and it can also support the communication between visitors and users of the Tuya Smart APP, which means you can talk to them anytime and anywhere.
- (7) The indoor monitor can be connected to the wireless WIFI.
- (8) The mobile phone APP can manually take photos, video recording and unlock functions.
- (9) Equipped with power supply and terminal cable, users can install it by themselves.

Note: Features and accessories are different for different outdoor unit types.







## Parts and functions



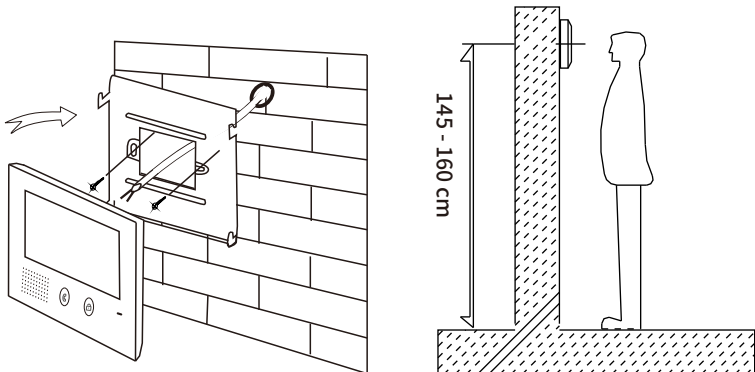
### 2. Functional description

- (1) Bus interface.
- (2) TF card socket.
- (3) Video matching switch.
- (4) Bell-ringing interface.
- (5) 12V additional power supply

## DIP switches

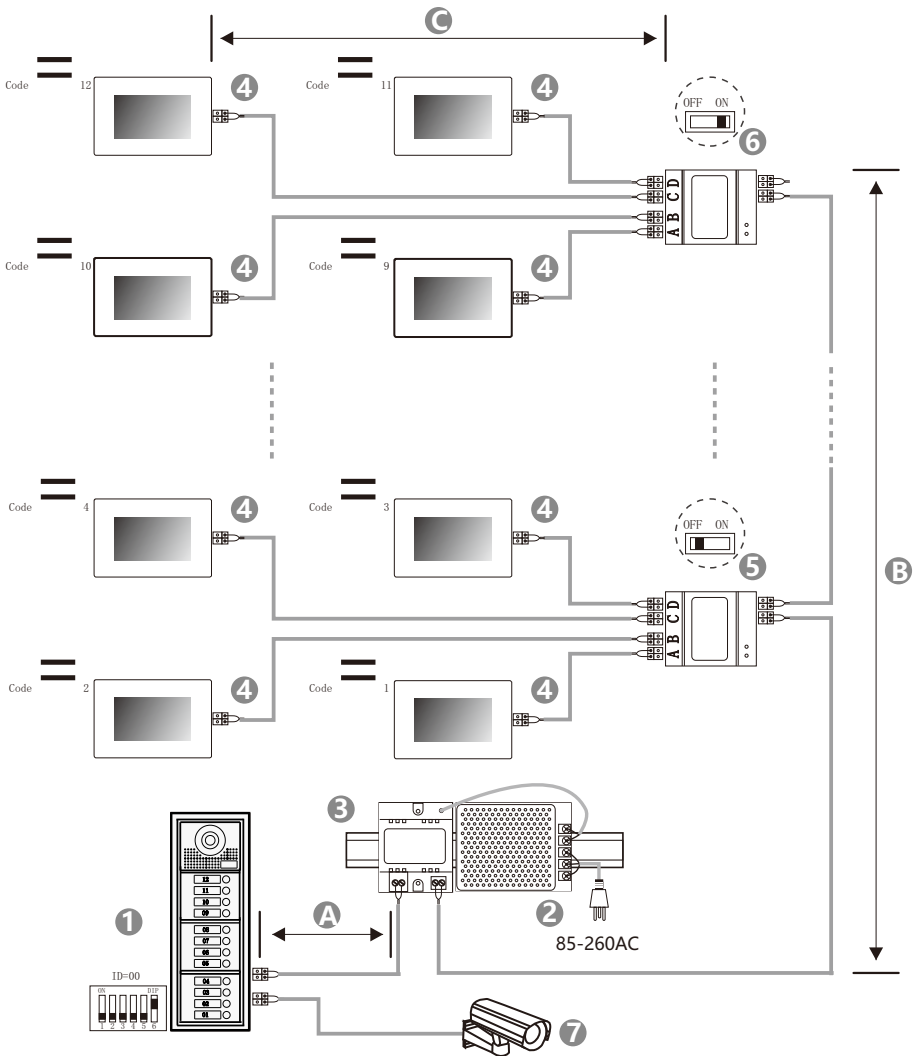
| Bit state   | Setting                            | Bit state   | Setting  |
|---|------------------------------------|---|----------|
|  | Monitor at the end of the line     |  | Reserved |
|  | Monitor NOT at the end of the line |  | Reserved |

## Monitor mounting



1. Using the screws to fix the mounting bracket on the wall.
2. Connecting the system correctly, then hang the monitor on the mounting bracket firmly.

# Diagram of the video intercom



## When monitor quantity < 20

| Cable Usage                          | A  | B  | C  |
|--------------------------------------|----|----|----|
| Parallel cable 2x0.75mm <sup>2</sup> | 60 | 60 | 30 |
| Parallel cable 2x1mm <sup>2</sup>    | 80 | 80 | 40 |

## When monitor quantity > 20

| Cable Usage                         | A  | B  | C  |
|-------------------------------------|----|----|----|
| Parallel cable 2x1mm <sup>2</sup>   | 60 | 60 | 30 |
| Parallel cable 2x1.5mm <sup>2</sup> | 80 | 80 | 40 |

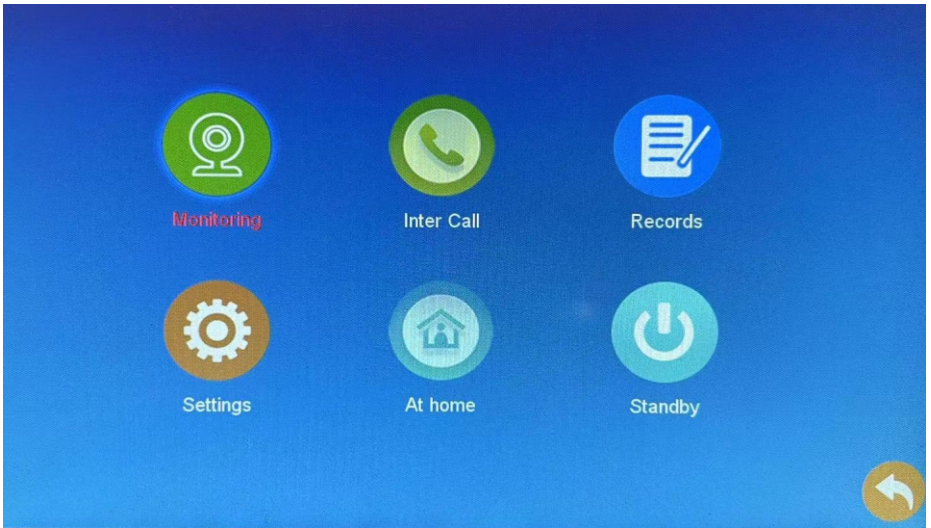
Main interface, time display and messages reminder. Time updates automatically after the device is connected to the network.



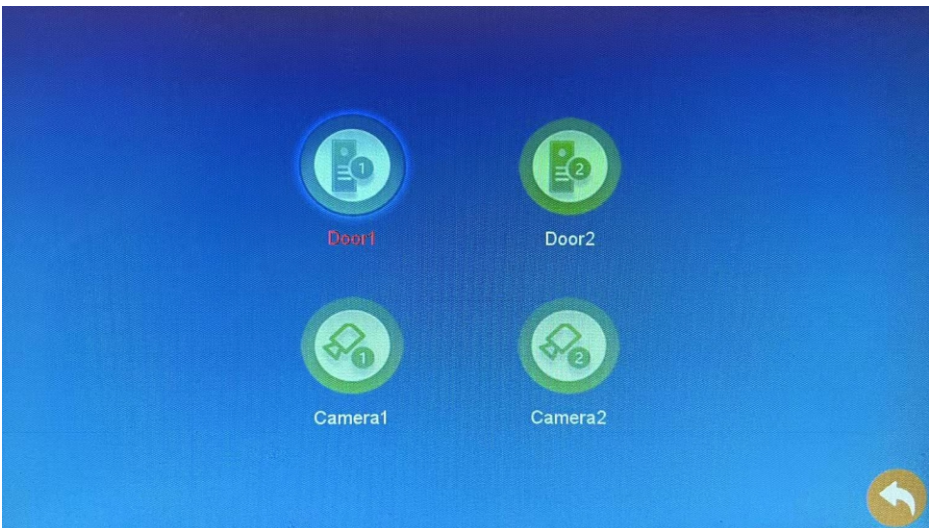
List of call video information. Record videos of each call and look back at any time.

| Call                          | 1/37   |
|-------------------------------|--------|
| 20230324180951_0001_Door1.jpg | Unread |
| 20230324180949_0001_Door1.jpg | Unread |
| 20230323162636_0001_Door1.jpg | Readed |
| 20230323160311_0001_Door2.jpg | Unread |
| 20230323160301_0002_Door1.mov | Unread |
| 20230323160259_0001_Door1.jpg | Readed |
| 20230323144851_0000_Door1.mov | Readed |
| 20230323134415_0000_Door1.mov | Readed |
| 20230323134352_0021_Door1.mov | Readed |
| 20230323134332_0018_Door1.mov | Readed |

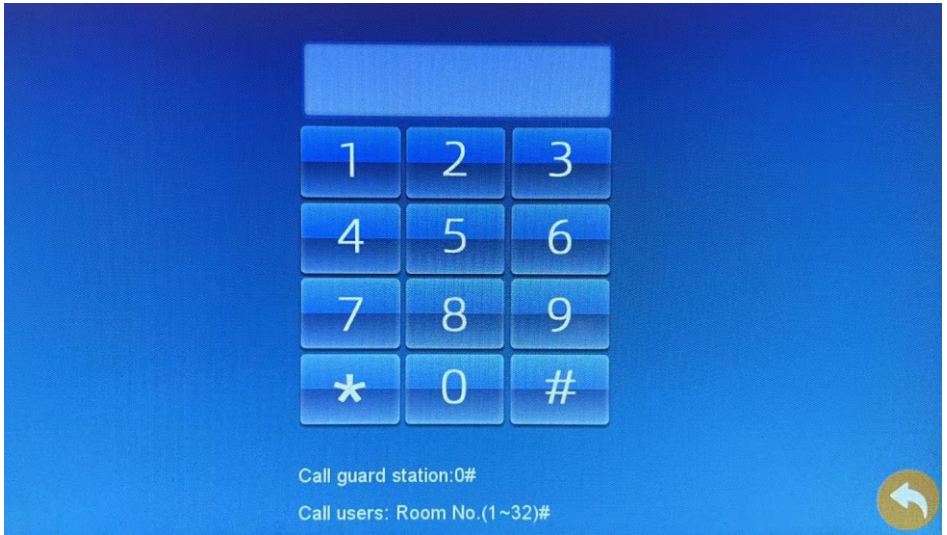
Function interface selection. Monitoring, internal calls, message records, system settings and at the time state.



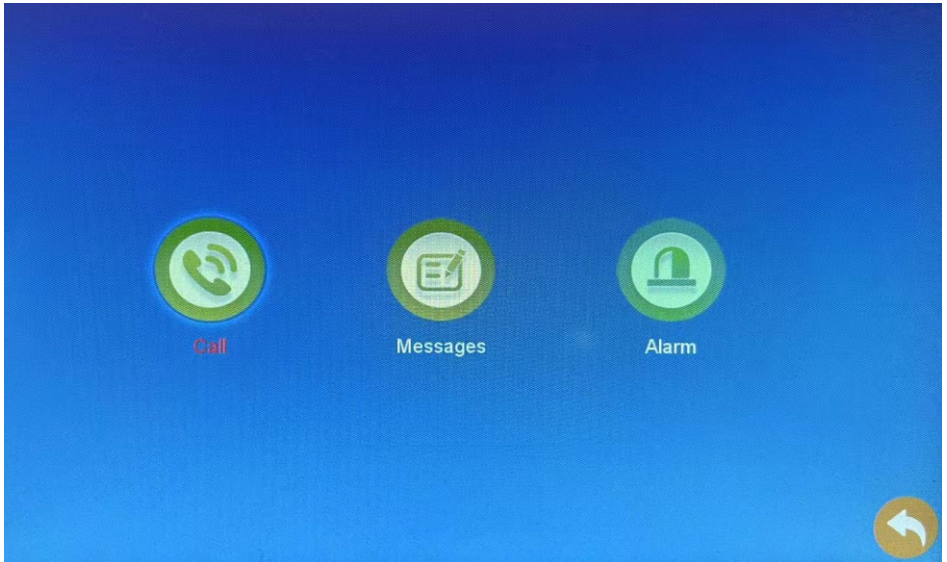
Monitoring function. Select door station 1, door station 2, external camera 1, external camera 2.



Internal call function. Enter the room number and press "#" to call.



Check the information records

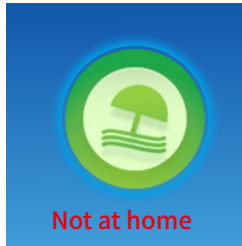


## Current Device Status:

At home



Not at home



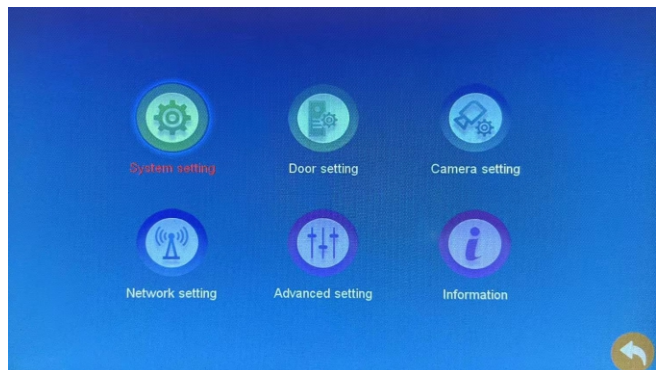
Dormant



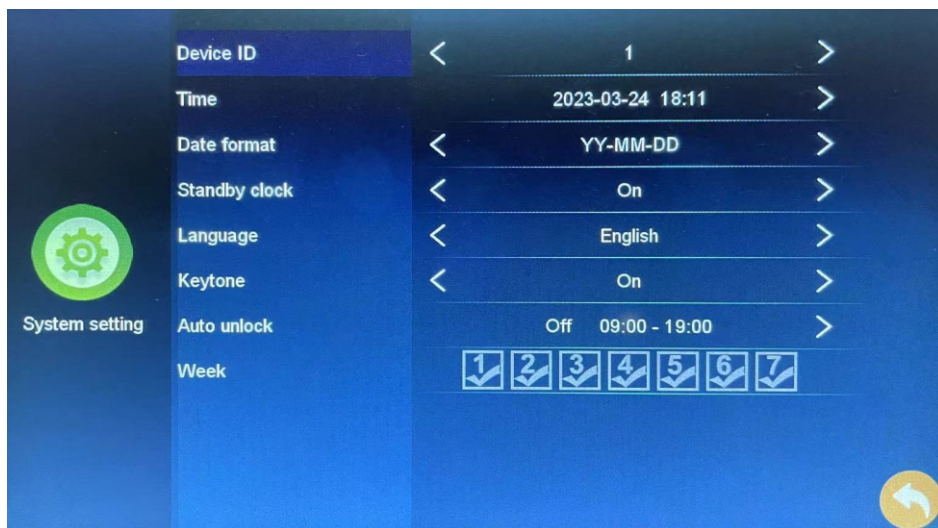
Intercom interface, answer the call, hang up the call, unlock, take photos and other functions.



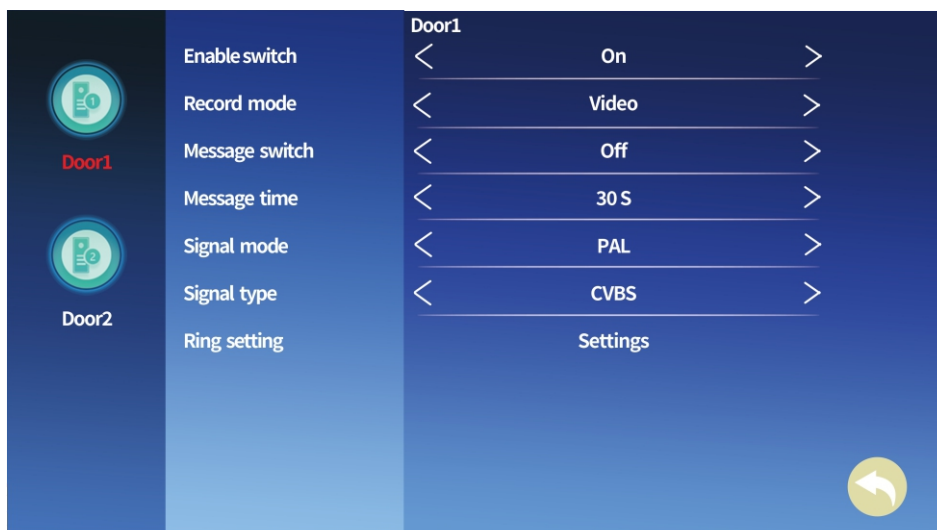
Parameter settings



System setting: Device ID, Time, Date Format, Standby Clock, Language, Keypad tone and auto unlock.



Door station parameter settings. Set the parameters of the door stations and the bell ringing tones.



## Ring settings.

The screenshot shows a settings menu for 'Door1/Ring1'. On the left, there are three ring options: Ring1 (selected), Ring2, and Ring3. The main settings list includes:

| Setting     | Value         |
|-------------|---------------|
| Schedule    | 06:00 - 00:00 |
| Time        | 30 S          |
| Ring mode   | Standard      |
| Ring select | 2             |
| Ring volume | 10            |

A back arrow is visible in the bottom right corner.

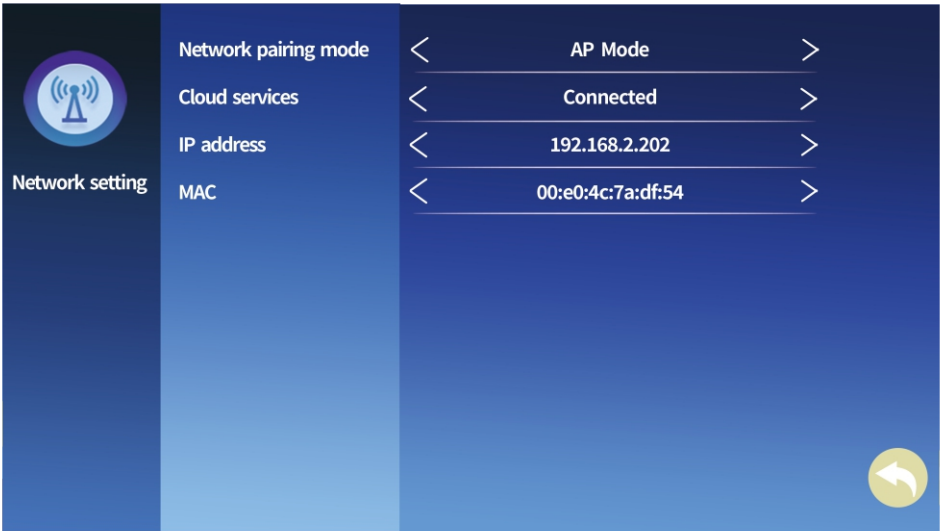
## Camera's parameter setting.

The screenshot shows a settings menu for 'Camera1'. On the left, there are two camera options: Camera1 (selected) and Camera2. The main settings list includes:

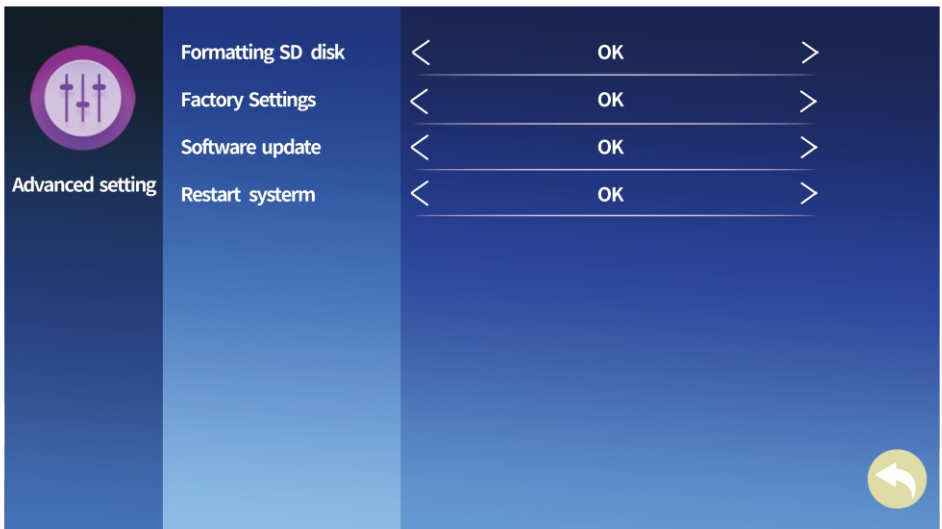
| Setting           | Value |
|-------------------|-------|
| Enableswitch      | Off   |
| Sensor type       | NO    |
| Alarm time        | 5 S   |
| Alarm record mode | Video |
| Signal mode       | PAL   |
| Signal type       | CVBS  |

A back arrow is visible in the bottom right corner.

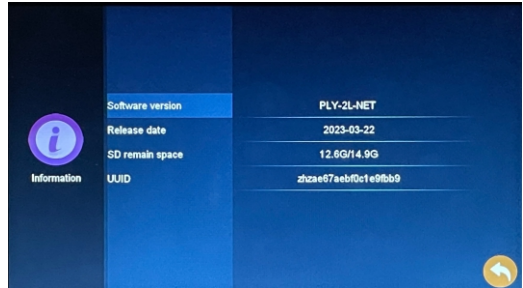
The WIFI network settings.Select AP MODE and ZE MODE to restart system to take effect.Under AP MODE,the default WIFI password is



Advanced setting. Format the SD card, restore the original factory setup, the software update, and restart the system.



Check the device information, each device has a unique Tuya ID.



## Indoor Monitor' s network configuration :

(1) Overview:

The third-party cloud service used in this product is "Tuya Smart", which supports two network configuration modes, WIFI fast connection mode and WIFI AP mode.

(2) Steps of configuration network:

First, download the "Tuya Smart" APP in the application market and register your account.

Step 1: click the corresponding configuration network mode on the machine, setting--network setting--configuration network mode (note: switching the configuration network mode needs to be restarted);

Step 2: After selecting the configuration network mode, then to select the corresponding distribution network mode on the APP and enter the configuration network;

WIFI AP mode device select "AP mode", WIFI fast connection mode device selection "ZE mode"

Configuration network of WIFI fast connection:

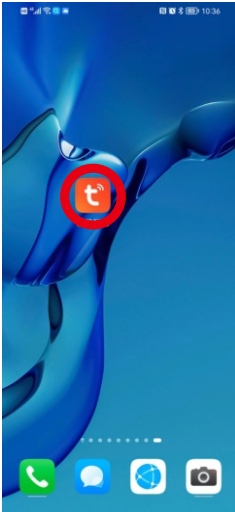
- 1) Mobile phone is first connected to the WIFI network (2.4G);
- 2) Select "ZE mode" on the machine (the default);
- 3) Click "Tuya Smart" APP, add equipment- - security sensing- - smart camera- - select "WI\_FI mode" in the upper right corner -- enter the user name and password of the current WIFI network- - start the network configuration- configuration done- -complete.

Specific operation progress of WIFI AP mode:(WIFI AP mode configuration network is recommended)

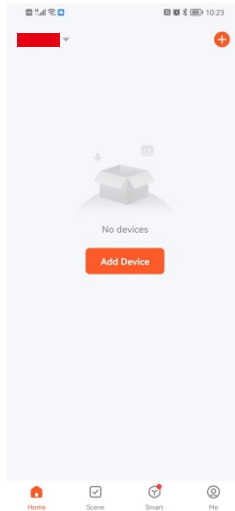
Click Tuya Smart APP

# Specific operation process of WIFI AP mode EZ mode (WIFI AP mode configuration network is recommended)

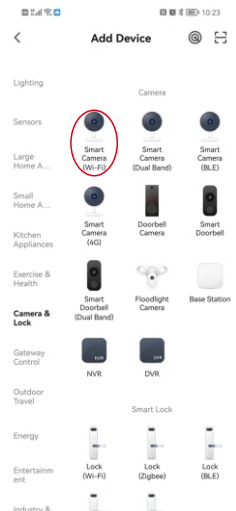
Click Tuya Smart APP



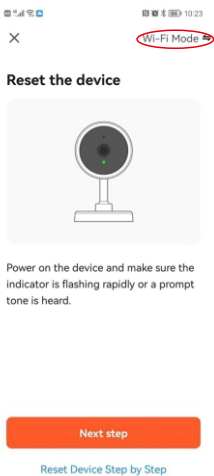
Add Device



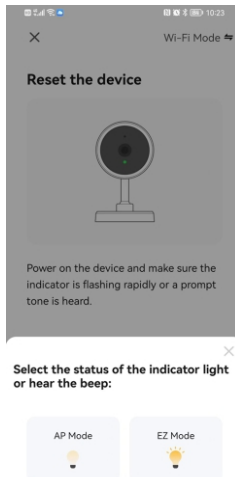
Select Camera & lock, double click Smart Camera(WiFi)



Selection WiFi mode to configure network



Choose AP mode or EZ mode Choose the mode of configuration network based on the indoor monitor settings



Both AP and EZ mode can set the WIFI account and password here

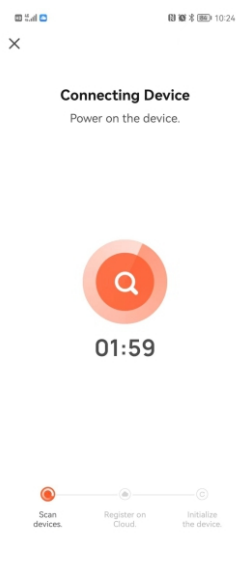
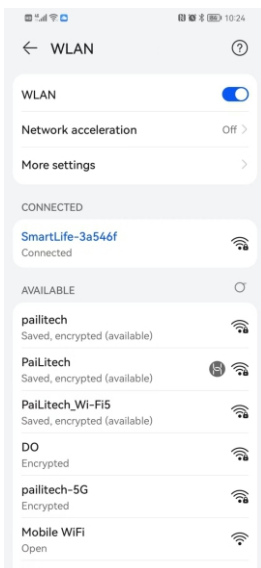
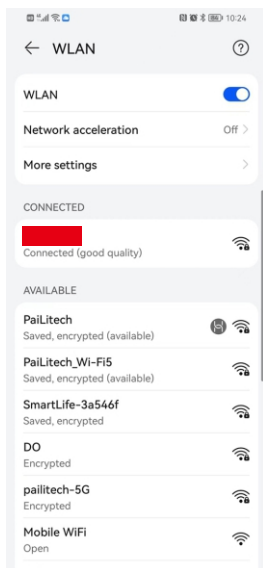


Choose the hotspot for AP mode to connect the device

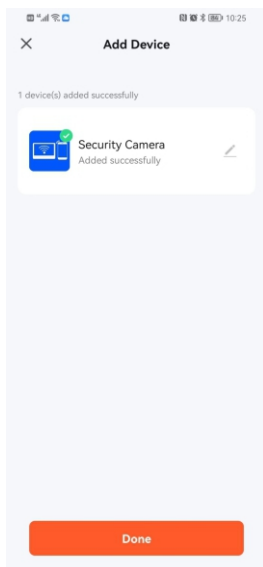
Account: SmartLife\*\*\*\*\*

Password: 12345678

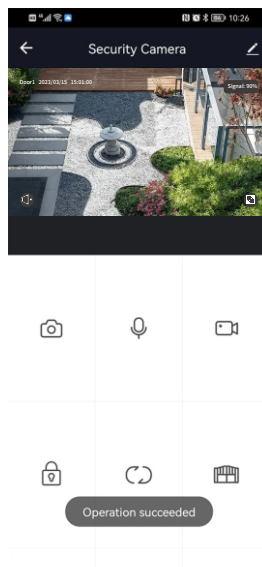
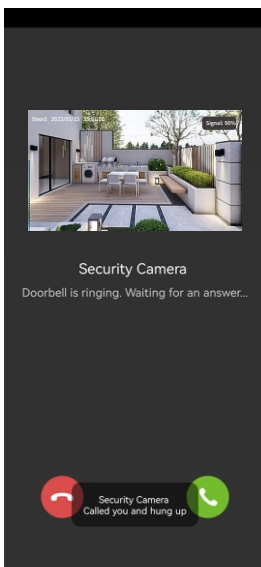
Back to Tuya app to do network configuration after hotspot connected  
In EZ mode type home's WIFI account and password, then enter this page



Add device successfully



Call Operation



## Product Technical Parameters

|                                  |               |
|----------------------------------|---------------|
| Bus power supply:                | DC24V         |
| External auxiliary power supply: | DC12V         |
| Operation current:               | 24V--500mA    |
| Standby current:                 | 24V--150mA    |
| Operation temperature:           | -20 °Cto+55°C |

