



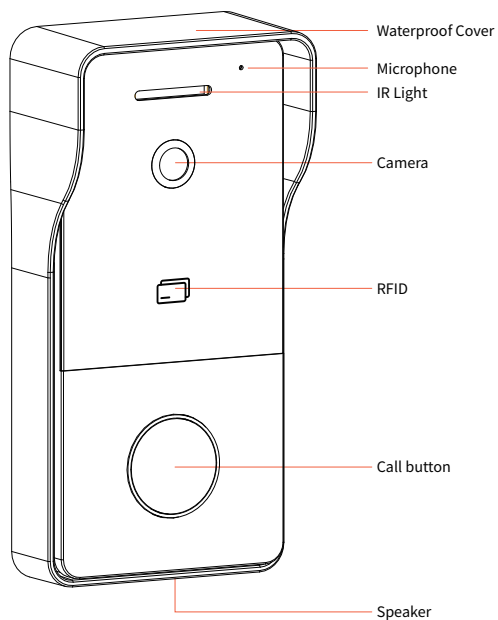
User Manual

For 2-Wire IP Systems



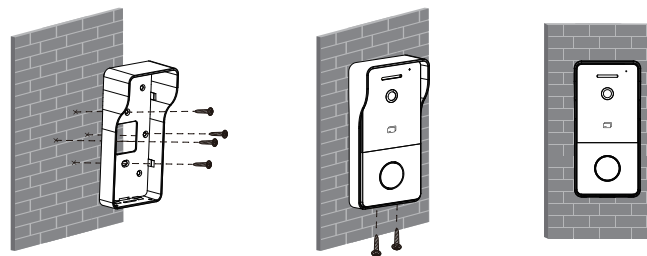
Due to the regular upgrades of systems and products, could not guarantee exact consistency between the actual product and the written information in this manual.

Product Overview



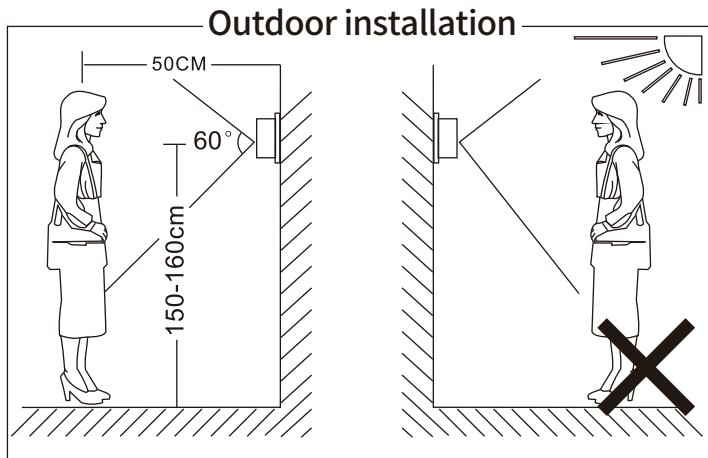
Specification and Installation

Camera	1/2.7" CMOS
View Angle	148°
Definition(Hor.)	4MP
Supplement Light	IR supplement
Working Current	< 200mA
Power Supply	External switching power supply: DC 24V
Working Temperature	-40 to +50°C
Installation	Surface



Installation process:

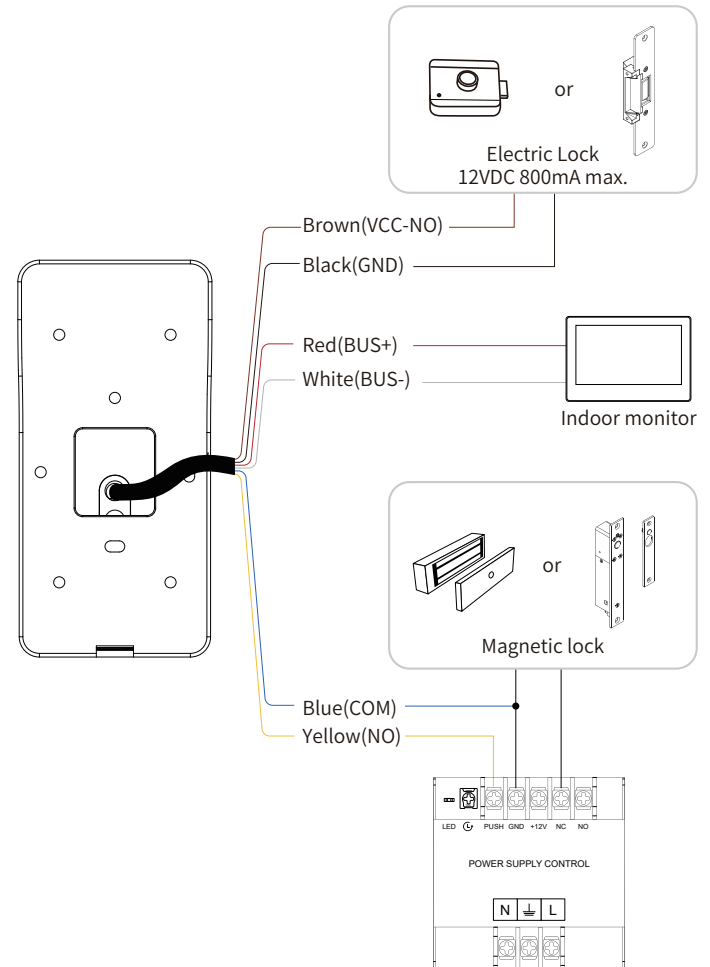
1. First drill 4mm~6mm diameter holes on wall
2. Install the rain cover with the 4pcs expansion bolts & screws
3. Connect the wires through the hole
4. Fasten the bottom screw



NOTE:

- Do not install the call panel in this environment e.g. Straight sunshine , contact rain , high temperature , high humidity , full of dust and chemistry corrosive.
- Switch off power supply before installation.
- Keep more than 30cm away from AC power supply to avoid external interference.
- Choose the best position to install, the horizontal view is 150cm.

Wiring Diagram



Operation and Setting

Operation

RFID unlock

In standby mode, Swipe a card within 5 seconds to unlock directly. If an incorrect card is swiped, a "BiBi" beep will prompt, and the operation needs to be restarted.

Face unlock

In standby mode, press and hold the call button for 3 seconds (a "Bi" beep will sound). Scan your face within 10 seconds to unlock directly.

Palm vein unlock

In standby mode, press and hold the call button for 3 seconds (a "Bi" beep will sound). Scan your palm vein within 10 seconds to unlock directly.

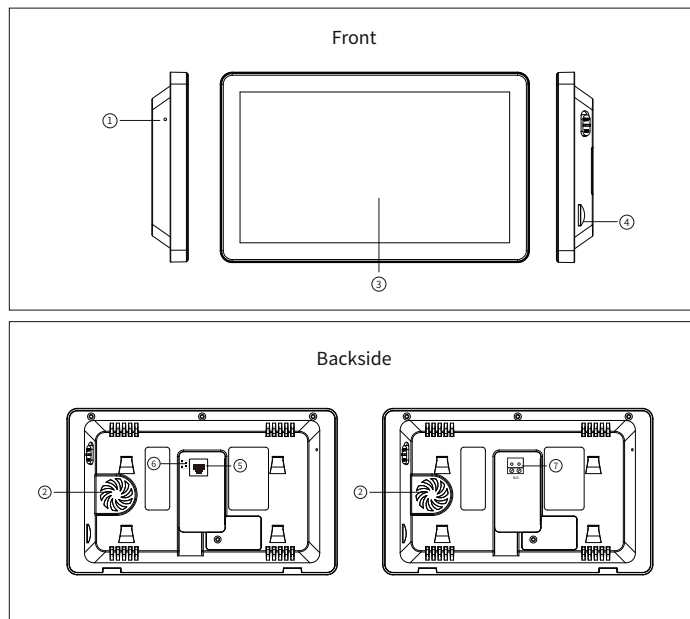
*Note:

For instructions on how to set up RFID/face recognition/palm vein recognition, please refer to the relevant manual of the indoor monitor.

Restore Factory Setting

Press and hold the call button for 5 seconds within 20 seconds after the door station is power on, when you hear three "bi-bi-bi" beeps, it indicates that the factory reset was successful.

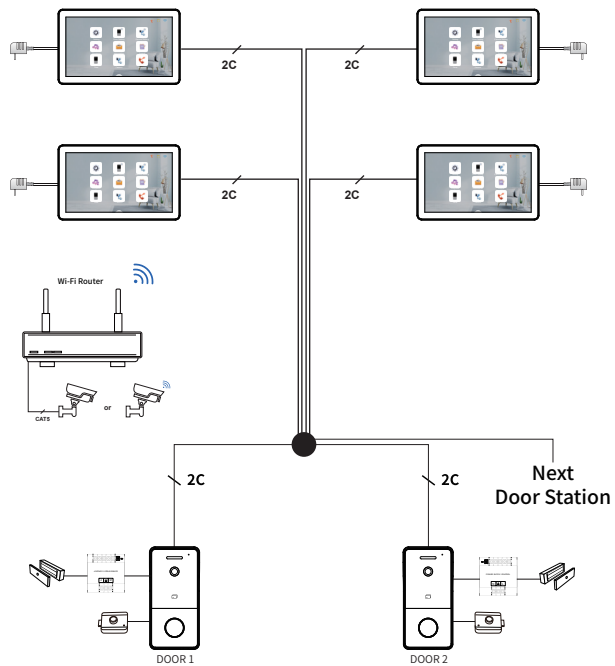
PRODUCT OVERVIEW



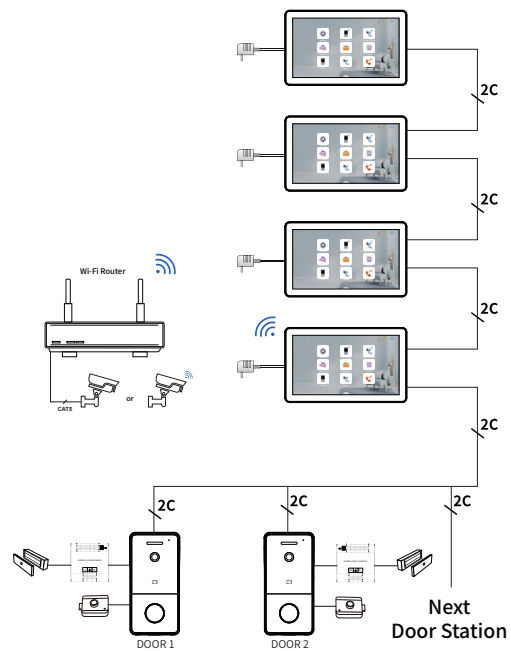
FUNCTION DESCRIPTION

①	Microphone
②	Speaker
③	Display screen
④	SD card slot
⑤	Network port
⑥	DC input
⑦	Bus terminal

Star Wiring (2-Wire System)



In-Out Wiring (2-Wire System)



WIRE SPECIFICATION

**Use and selection of wire, please refer to the following.
(The actual effect and the quality of wire rod has the very big relations)**



Two core no oxygen copper wire-2x0.75 mm²(<50m)



Two core no oxygen copper wire-2x1.5 mm²(50-150m)

3. CAT5 or CAT6 network cable connection mode: (Not recommended)



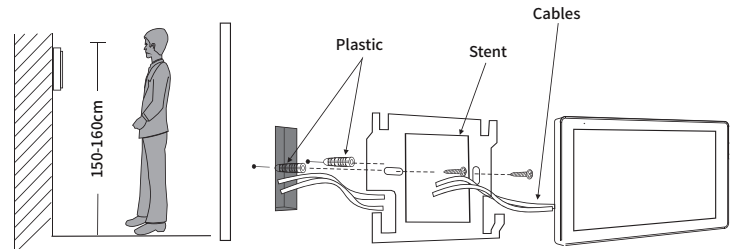
Unshielded network cable(≤30m)

4. For TCP/IP system please use CAT5/CAT6 network cable. The effective distance from the door station to the indoor monitor is less than 200 meters.

SPECIFICATION

Display Screen	7-inch/10.1-inch 1024*600
Signal Input	2K(2560*1440)
Communication Mode	Full duplex
Talking Time	120S
Standby Current	≤ 150mA
Working Current	≤ 250mA
Power Supply	External switching power supply: DC 24V Standard PoE
Working Temperature	-10°C to 50°C
Installation	Surface mounting
TF Card	≤ 256GB

INSTALLATION

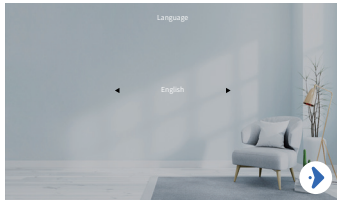


Note:

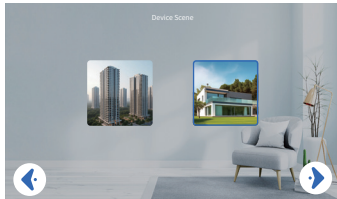
- Please be far from the devices with intense radiation: TV, DVR, etc.
- Do not disassemble privately to avoid the electric shock.
- Do not drop, shake or knock the device, otherwise will damage the elements.
- Choose the best position to install, the horizontal view is 150cm.
- Please power down before installation.
- Keep at a distance of more than 30cm with AC power to avoid interference.
- Away from the water, magnetic field and chemicals.

QUICK CONFIGURATION

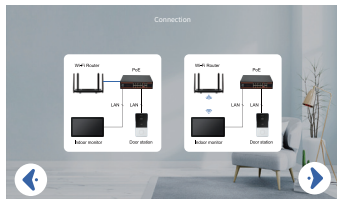
Step 1: Select a language.



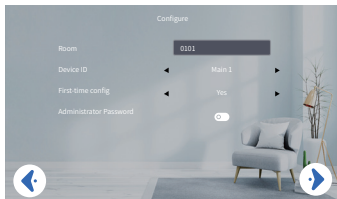
Step 2: Select device scene, apartment or Villa.



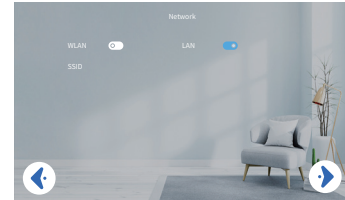
Step 3: Select connection method.



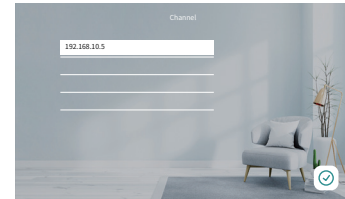
Step 4: Configure room number, device ID and admin password.



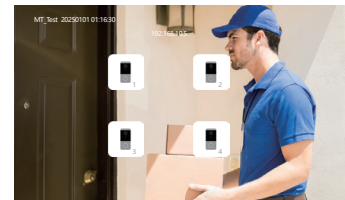
Step 5: Configure the network.



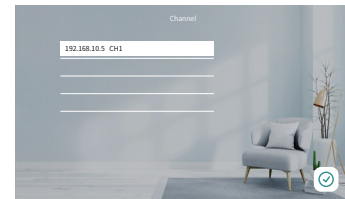
Step 6: Search the door station.



Select the door channel.



Complete the quick configuration.



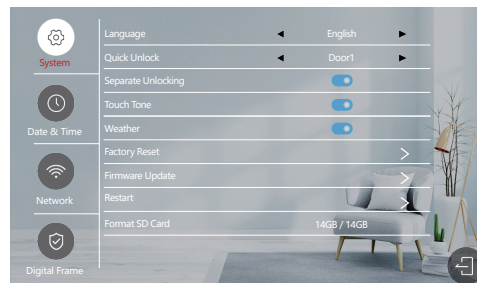
HOME SCREEN



	• Home mode: Normal mode • Away mode: Visitor will be reminded to leave a message when there is a call (SD card is required) • DND mode: Do not disturb, the monitor is mute under this mode
	NETUS APP connection status
	Network connection status
	SD card status
	Call log
	Visitor message log
	Motion detection log

SETTING

System



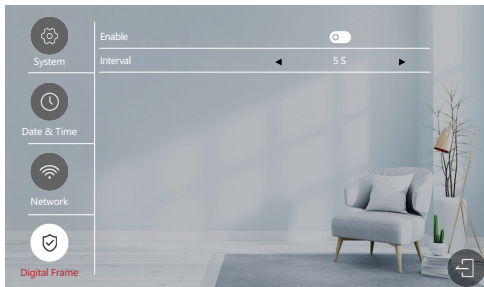
- Please prepare a SD card without any data saved inside. The system support up to 1TB SD card(not included). When use 16/32GB TF card, please format with FAT32 on the computer before use. When use 64/128GB/256GB TF card, please format with EXFAT on the computer before use.

Factory Reset settings: All parameters are reset to factory mode. The devices must be deleted from the NETUS APP after factory reset. And please connect again with NETUS APP., otherwise it cannot be added and used by other accounts. Can not connect to the Internet.

Quick Unlock: Select the number of locks on the homepage.

Separate Unlocking: Enable this function can open Lock1 and Lock2 separately. Disable this function can open Lock1 only.

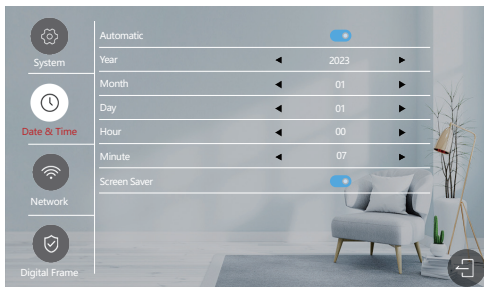
Digital Frame



Note :

- The pictures must be saved under Digital Frame folder of the SD card first.
- The format of the picture is JPG, and the resolution should not exceed 2526*1576.

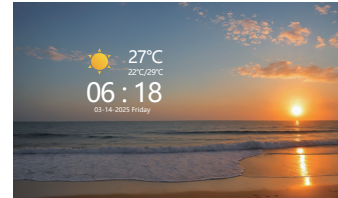
Date & Time



- If you disable the screensaver, it will go to black screen.
- It will turn to be screensaver mode automatically after 10 seconds of time display when **Digital Frame** function is OFF .

Screensaver

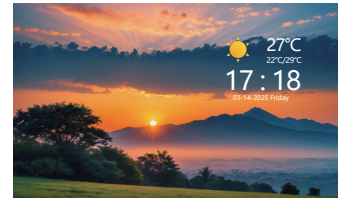
05:00-07:59



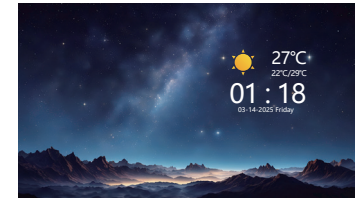
08:00-16:59



17:00-19:59

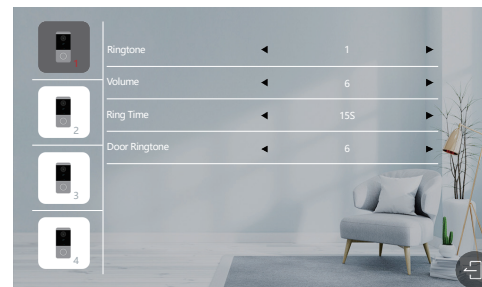


20:00-04:59



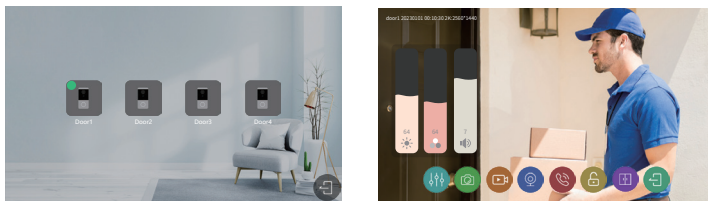
- Screensaver based on different time

RINGTONE



- Adjust the ringtone volume and duration.
- **Door Ringtone**: Set the door station ringtone volume.

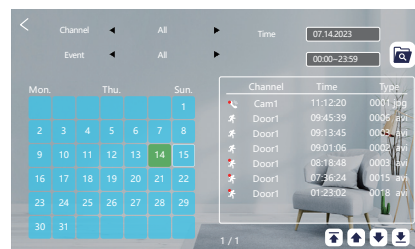
MONITOR



- Green dot means the door station is online.

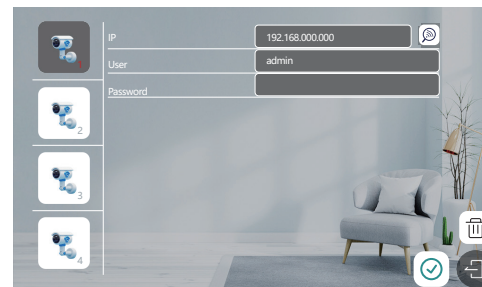
	Brightness Saturation Volume
	Switch to the next channel, Door1>Door2>Door3>Door4
	Snapshot
	Video record
	Lock1 (NO/NC)
	Lock2 (VCC-OUT)
	Answer / Hang up
	Back

RECORD



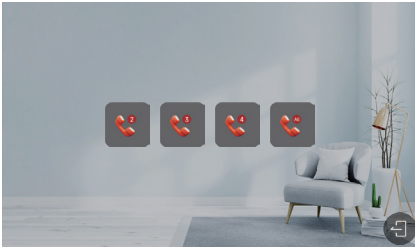
- Check the log of **Call**, **Manual**, **Visitor Message**, **Motion Detection**. Long press and release the file to enter the delete option.
- Note: This function requires the indoor monitor to be inserted into an SD card.

CAMERA SETTING



- Support onvif IP camera, tap to add the camera.(Make sure the master monitor is connected to WiFi first, then connect the IP camera to the same router.)

INTERCOM



- Internal calls between different extension indoor monitors.

INFORMATION

Device	Villa_2
Firmware Version	V1.0.8_Build97_20231120
UUID	*53576a2
Server	Not Connected
WLAN	192.168.3.168
LAN	192.168.10.2

- Check the firmware version, UUID, network status and the NETUS server status.

DOOR SETTING

Door Configuration



Name: rename the door station.

Quality: set image quality based on network bandwidth.

Unlock Selection: the configuration for unlocking the door by ID/IC/Password/Face/Palm, when connecting to a door station with a keypad, this setting only applies to face/palm print recognition.

Unlock Delay: lock activation time.

Factory Reset: resetting to factory settings.

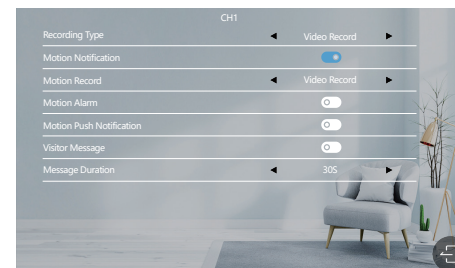
Restart: restarting the door station.

Door Upgrade: update the core board firmware of the door station.

MCU Upgrade: update the MCU firmware of the door station.

Firmware Version: current firmware version of door station.

Local Setting



Recording Type: type of call recording. You can set to take photos or short videos(SD card required).

Motion Notification: enable/disable motion detection of indoor monitor.

Motion Record: type of motion recording. You can set to take photos or short videos(SD card required).

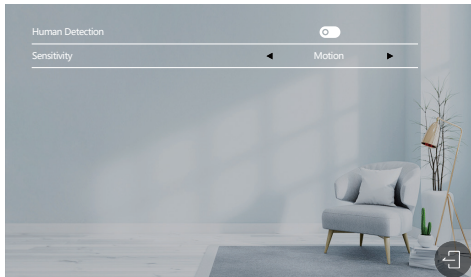
Motion Alarm: sounds when motion is detected.

Motion Push Notification: sends a notification of motion detection to the phone.

Visitor Message: if the call is not answered, the device will allow visitors to upload a short message.

Message Duration: set the duration of visitor message.

Motion Detection



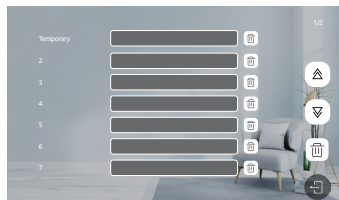
Human Detection: enable/disable human detection of door station.

Sensitivity: motion detection sensitivity setting.

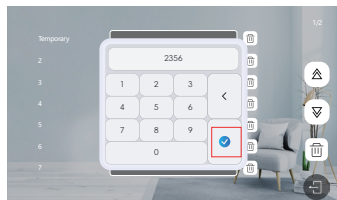
Password Management

Tap **Door Setting > Password Management**

① Enter programming mode



② Add password



③ Finish



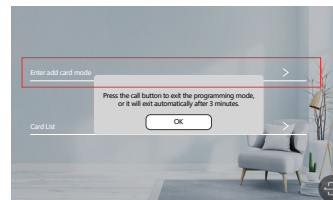
Temporary: one-time temporary password.

Password Length: 4-digit or 6-digit passwords are supported.

RFID Management

Tap **Door Setting > RFID Management**

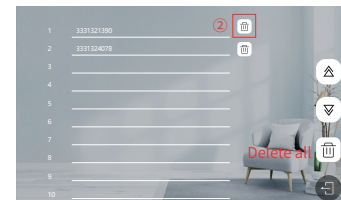
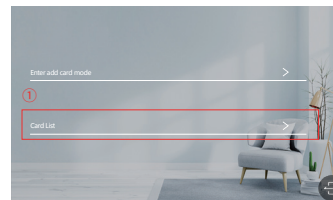
① Enter programming mode



② Add RFID



③ Delete card



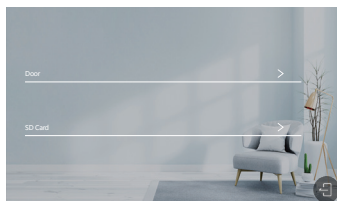
Face Management

Tap **Door Setting > Face Management** (SD card required)

① Enable the function



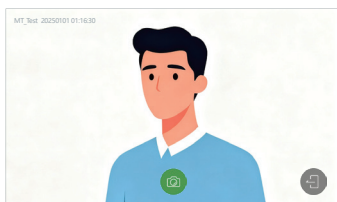
② Choose door station/SD card



③ Add face



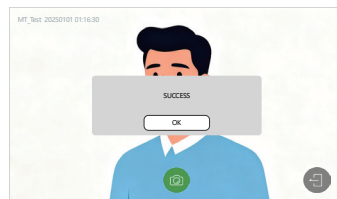
or



Press the CALL button to capture a photo. A long beep from the door station indicates that the face has been added successfully.

Click * * to capture a photo.

④ Finish



Palm Management

Tap **Door Setting > Palm Management** (SD card required)

① Enable the function



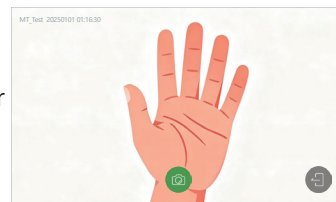
② Choose door station



③ Add palm



or



Press the CALL button to capture a photo. A long beep from the door station indicates that the palm has been added successfully.

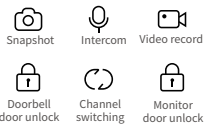
Click * * to capture a photo.

④ Finish



APP DOWNLOAD-NETUS AND USER REGISTER

Install the free APP"NETUS", Start controlling your smart home.



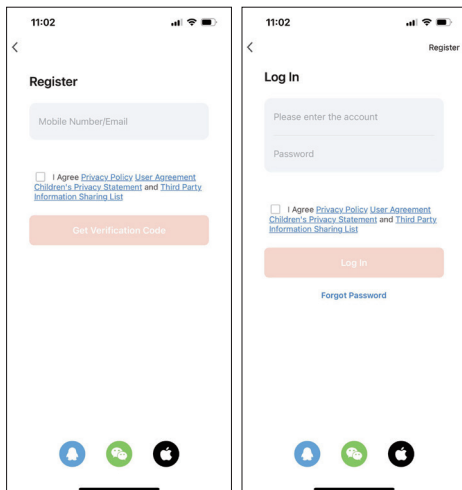
Any visitors or guests can be reached anytime and anywhere by mobile.



New user register it according to guide steps, already registered user just login the account

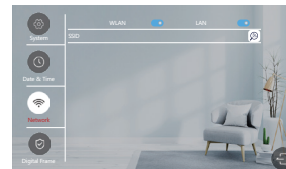


NETUS APP

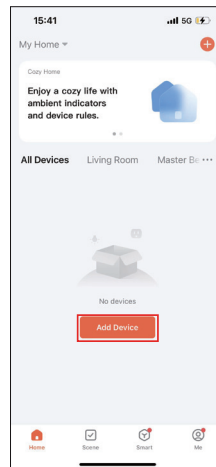
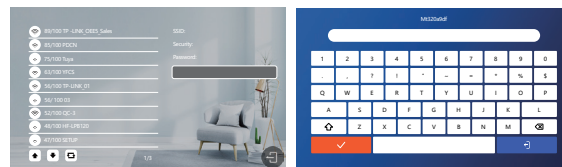


Wi-Fi SETTING

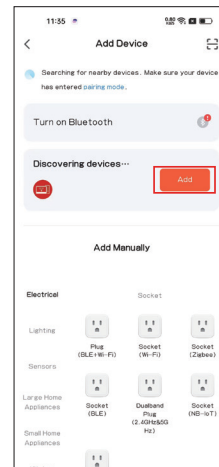
Tap **Setting > Network**



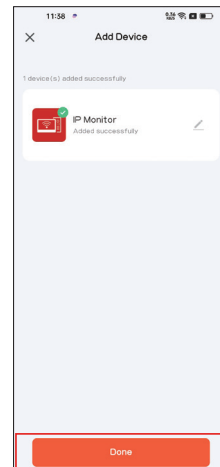
- Tap WLAN choose the WiFi and input the password. The device will restart automatically if the connection is successful.



Open NETUS APP on the mobile phone and Click "Add Device". Please make sure the mobile phone uses same WIFI in the house as the intercom.

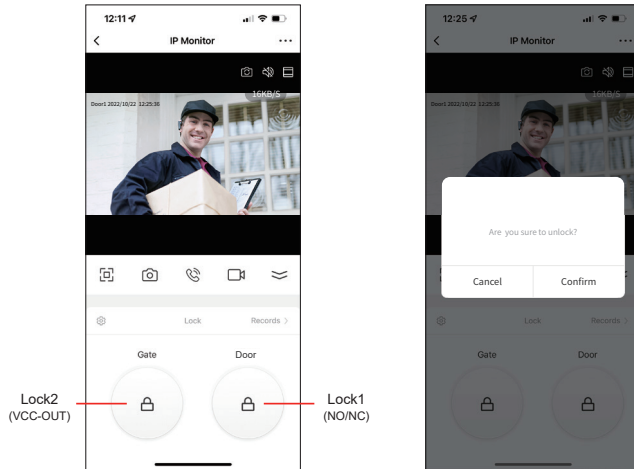


Click "Add" when the device found automatically.



And click "Done" after connection successfully.

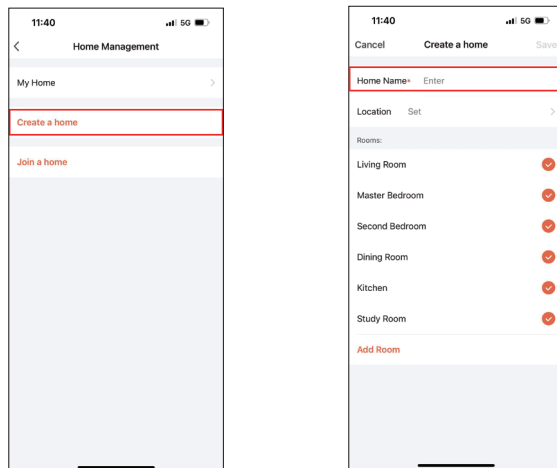
UNLOCK THE DOOR



CREATE A HOME AND ADD NEW MEMBER

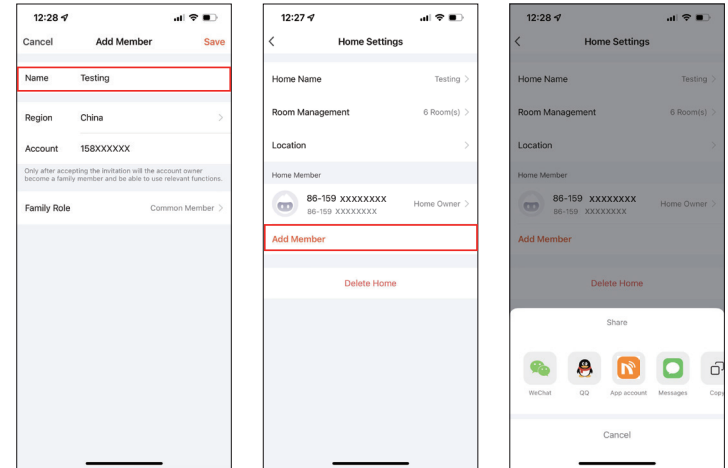
Support up to 10 mobile phones to connect online at the same time

Step 1: Create a home (Setting a Home Name)

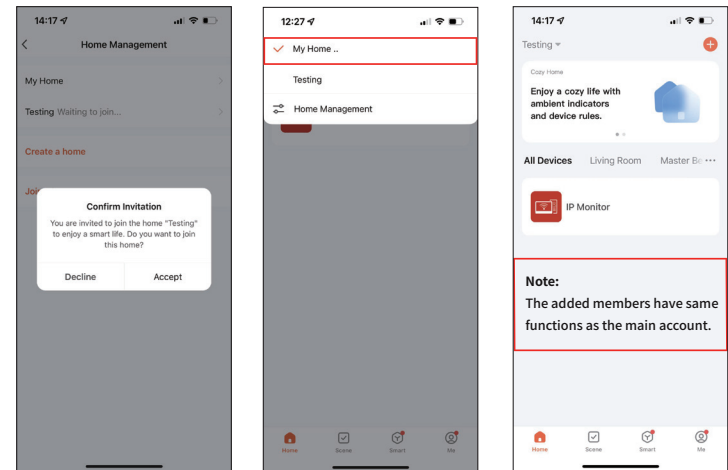


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Step 2: Add member (Enter member's NETUS account)



Step 3: Choose the home and Add Device.

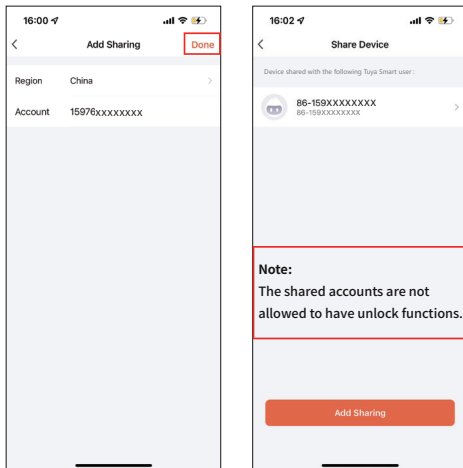
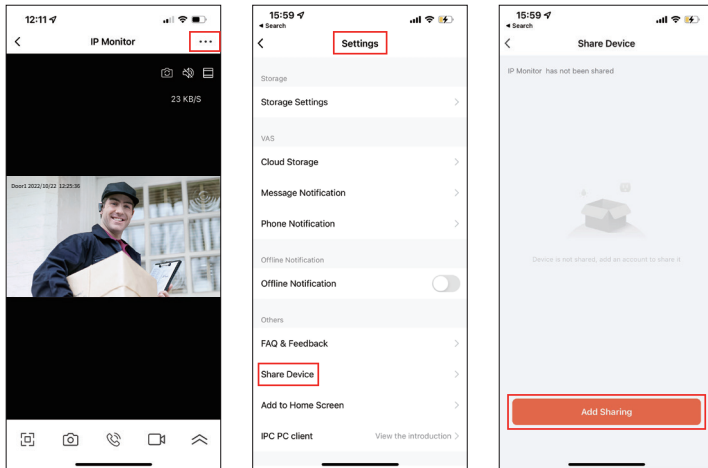


On new member's account

Note:
The added members have same functions as the main account.

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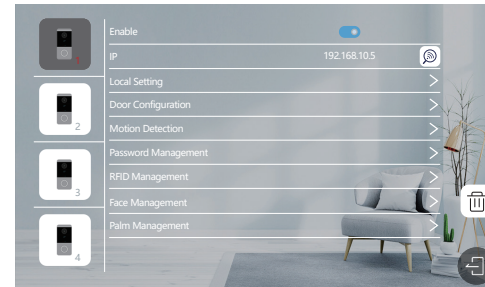
SHARE DEVICE



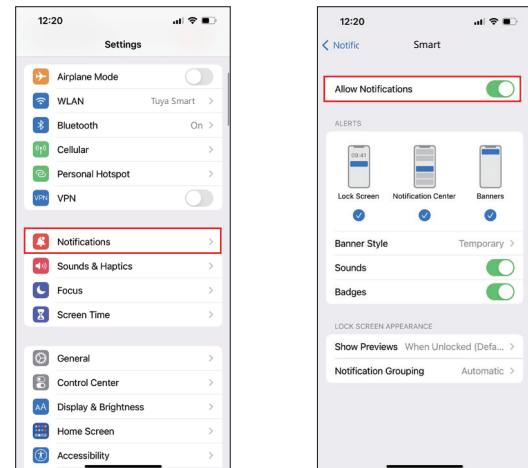
MOTION DETECTION

Tap **Door Setting > Motion Detection**.

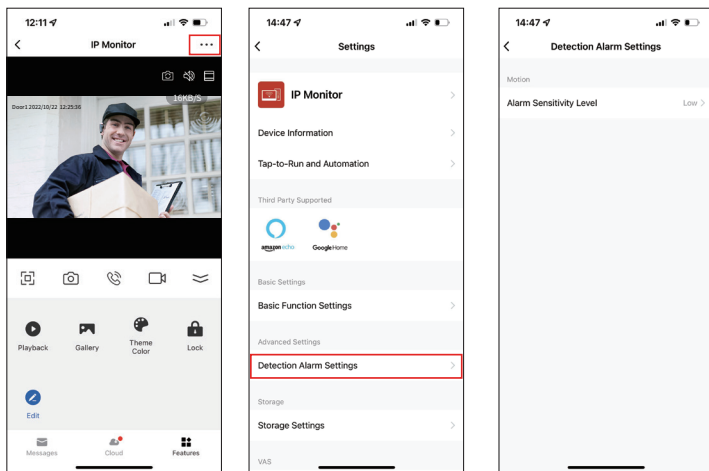
Note: This function requires the indoor monitor to be inserted into an SD card.



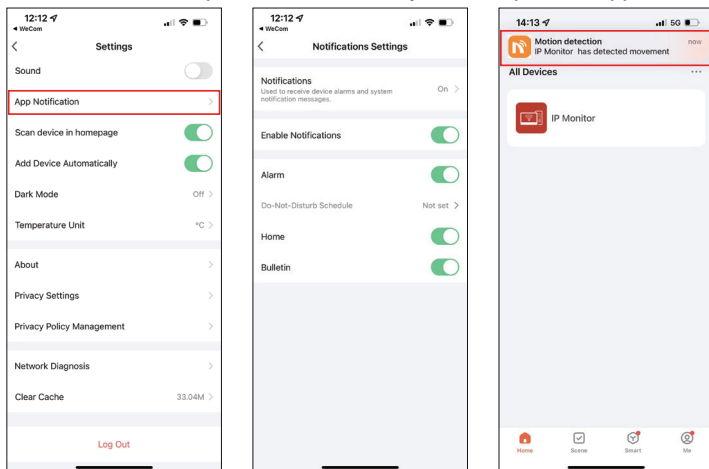
Setting on mobile phone



MOTION DETECTION ON APP



Make sure to turn on push notifications on your smartphone & App



NOTE ON USING APP

1. If the device has been successfully connected to the user, the user needs to delete the device on the APP before adding it to another user. (note: The user should be deleted when the network is good, otherwise it's only deleted on the mobile APP, but not on the server). After deleting, go back to the APP to check and confirm.
2. If a new user needs to be added again the machine restores to the factory settings, the current user also needs to delete the device then re-connect, Otherwise, the device has deleted the password of the router and it's unable to connect.
3. If the monitor has paired successfully to the network, but power gets OFF and ON. Customers don't need to re-configure the network connection settings and date time again. It will be repaired by itself under the same network and it will take 2 minutes to complete the process without further configuration.

Also other settings has been configured by customers will be remain the same as the device setting before power OFF status. Calling from Outdoor to Indoor can be initiated once the display power goes ON irrespective of the network connectivity.

App function definition

	Channel switching. Please turn on Door1/Door2/Door3/Door4 via indoor unit menu first.
	Mute
	Zoom in
	Full screen
	Take pictures by App and saved in mobile album
	Talk
	Take video by App and saved in mobile album
	Playback video stored in SD card by calendar
	Check the video and photo taken by App
	Light mode / Dark mode optional
	Release the lock
	Cloud service to save calling video and motion detection video