

Video Intercom Deployment Guide

V1.5



Zhejiang Uniview Technologies Co., Ltd.

Contents

1 Introduction	1
1.1 Product Overview	1
1.2 Installation	1
1.3 Networking	1
1.3.1 Device	1
1.3.2 Network Environment Setup	2
2 Video Intercom Configuration	2
2.1 Indoor Station Wizard Configuration	2
2.2 Indoor Station Home Screen	9
2.3 Indoor Station Parameter Configuration	9
2.4 Outdoor Station Configuration	20
2.4.1 Door Station Configuration	20
2.5 Intelligent Recognition Terminal	28
2.6 Network Camera Configuration	30
2.7 Add Device to App	31
2.7.1 EZCloud QR Code	31
2.7.2 Bind Device	32
3 Video Intercom Operations	33
3.1 Video Intercom with Door Station	33
3.1.1 Villa Single-Button Door Station	33
3.1.2 Villa Multi-Button Door Station	33
3.1.3 Apartment Door Station	34
3.2 Video Intercom with Intelligent Recognition Terminal	35
3.3 Call Extension	38
3.4 Call App	39
4 Common Functions	40
4.1 Live View	40
4.2 Visitor Message	42
4.3 Video Recording	44
4.4 Indoor Station I/O Settings	48
4.5 Configure Multiple Doors for Door Stations	50

5 Platform Management 53

5.1 UNV-Guard 53

5.1.1 Bind Devices in Batches 53

5.1.2 Call UNV-Guard Client 60

1 Introduction





1.1 Product Overview

OEI-371S-H-W/OEI-372S-H-W indoor station is a terminal in the digital building intercom system, with functions of video intercom, security alarm, network camera monitoring, etc., providing a safe and comfortable living environment for residents. It can be widely used in building systems such as smart communities, public security, and parks.

OEU-201S-HMK-W is a terminal in the digital building intercom system, with functions of video intercom, security alarm, and video surveillance, providing a safe and comfortable living environment for residents. It can be widely used in villa residential building system.

1.2 Installation

For product installation, please see the corresponding quick guide as below.

Device	Model	Quick Guide
Indoor Station	OEI-371S-H-W OEI-372S-H-W	 3101C1HS-UNV- OEI-371S-H-W-人
Single-Button Villa Door Station	OEU-201B-HMW-K OEU-201S-HMW-K	 3101C1LF-UNV-O EU-201B-HMK-W
Two/Four-Button Villa Door Station	OEU-202S-HMK2 OEU-202S-HMK4	 3101C1RG-UNV- OEU-202S-HMK2
Apartment Door Station	OEU-301S-HMKA	 3101C1RE-UNV- OEU-301S-HMKA

1.3 Networking

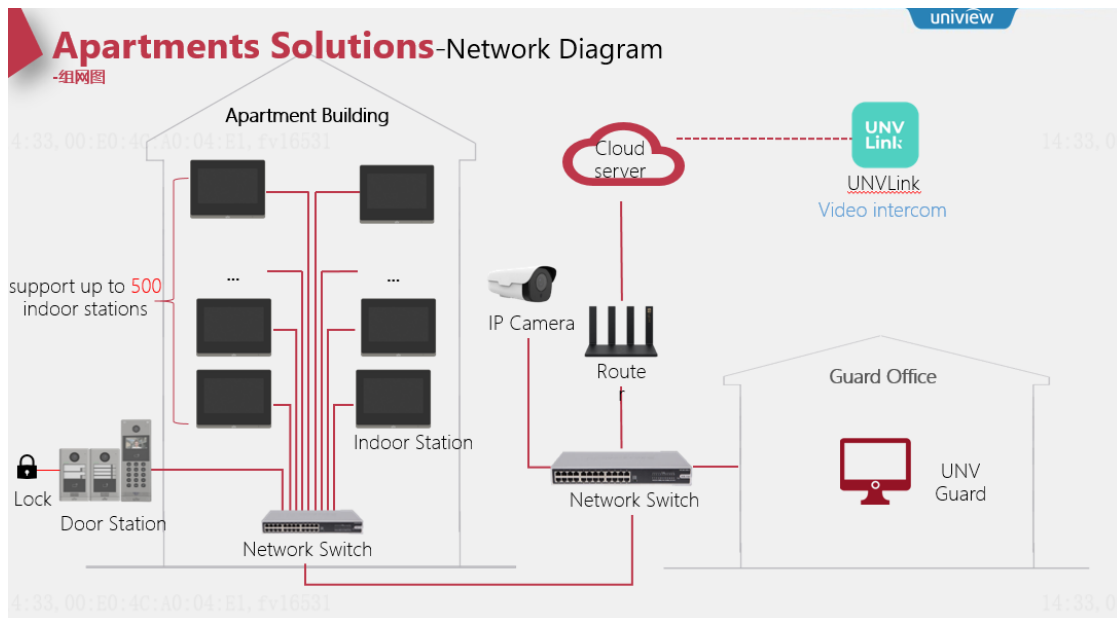
1.3.1 Device

The video intercom function involves such devices as OEI-371S-H-W/OEI-372S-H-W indoor station, PoE switch, intelligent recognition access control terminal (hereinafter as "intelligent recognition terminal"), door station, network camera, router, and NVR.

1.3.2 Network Environment Setup

After the devices are ready, connect them as shown in the diagram below.

Figure 1-1 Video Intercom Product Network Environment



NOTE!

- The indoor station, outdoor station (intelligent recognition terminal/door station), and network camera support a 12V DC power supply.
- The indoor station and villa door station support PoE power supply.
- In a Wi-Fi networking environment, it is recommended to connect up to 4 indoor stations.

2 Video Intercom Configuration

The indoor station supports video intercom, remote door opening, live view, and other functions with the connected door stations (the network camera only supports the live view). It also supports communicating with other indoor station extensions. The following describes how to configure on both the indoor station and door station.

After configurations are complete, the indoor station and door station can realize functions including call, live view, and remote door opening.

2.1 Indoor Station Wizard Configuration

The wizard page appears after your first login. You can follow the wizard to complete the first deployment configuration.

1. Set the device password and email.

- (1) Log in to the device screen with the default username and password (**admin/123456**), and then the **Welcome** screen appears. Set a strong new password with 9 to 32 characters including all three elements: uppercase and lowercase letters, digits, and special characters.
- (2) Enter your email address so as to retrieve the administration password if you forgot the password.

Figure 2-1 Password and Email Settings

The screenshot shows a 'Welcome' screen with the following fields and options:

- New Password:** A text input field.
- Confirm:** A text input field.
- Email:** A text input field, preceded by a checked checkbox.
- Warning:** A small triangle icon followed by the text: "A strong password is required (9 to 32 characters including all three elements: digits, letters, and special characters)."
- Next:** A blue button at the bottom center.

2. Set the network parameters.

- (1) **Obtain Automatically (DHCP)** is enabled by default, which will assign the indoor station an IP address automatically. You can skip the step if you want to keep the default configuration.
- (2) If you want to set a fixed IP address manually for long term use, enable **Static IP**, and then set the IP address, subnet mask, and default gateway.
- (3) The indoor station's IP address is **192.168.1.13** by default. When configuring a static IP for the first time, the IP address shows **192.168.1.14** by default to prevent IP conflicts during installation, which can be changed as needed.

Figure 2-2 Network Settings

The screenshot shows a 'NetWork Settings' screen with the following options and fields:

- Obtain Automatically(DHCP):** A toggle switch that is turned on (blue).
- Static IP:** A toggle switch that is turned off (grey).
- IP Address:** A text input field containing '192.168.1.13'.
- Subnet Mask:** A text input field containing '255.255.255.0'.
- Default Gateway:** A text input field containing '192.168.1.1'.
- Next:** A blue button at the bottom center.
- Skip:** A blue text link at the bottom right.



NOTE!

The IP address of outdoor station must be on the same IP segment as that of the indoor station, and then the video intercom function can be available.

3. Configure Wi-Fi.

- (1) You can connect the network on the **Wi-Fi** screen. The Wi-Fi function is disabled by default.
- (2) If you want to connect to Wi-Fi, enable **Wi-Fi**; otherwise, tap **Skip** to proceed.

Figure 2-3 Wi-Fi Search

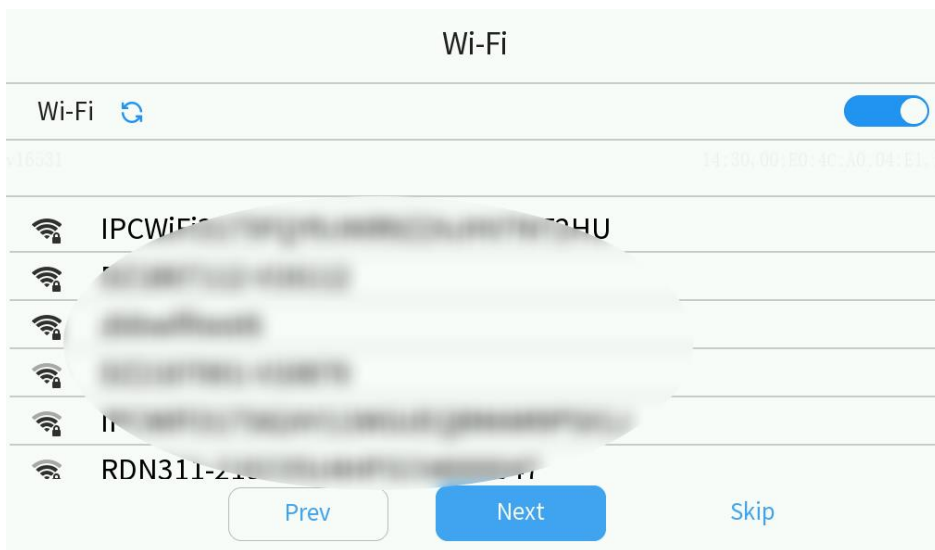
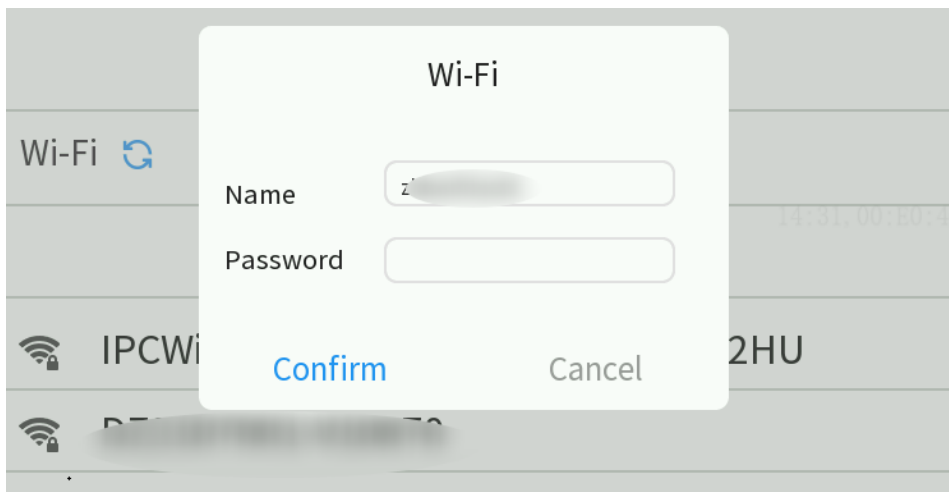


Figure 2-4 Wi-Fi Connection



- 4. Set time parameters, including time zone, time, and DST. If you do not need to set time, tap **Skip** to proceed.

Figure 2-5 Time Settings (Time Zone/DST/Time Sync)

Time Settings

⚙ Time Zone (UTC+00:00)London,Dublin,Lisbon

⚙ Set Time

⚙ DST

⚙ Start Time Apr First Sun 02

⚙ End Time Oct Last Sun 02

5. Set the indoor station type, location, and registration password.

- (1) The indoor station type includes main indoor station and extension (the extension can realize most of functions after binding to the main indoor station).
- (2) The default location information of the main indoor station is District 1, Building 1, Unit 1, Room 1, Extension Number 0;
- (3) The extension location is consistent with the associated main indoor station except the extension number.

Figure 2-6 Device Type and Location

Device Location

⚙ Indoor Station Type Main Indoor Station

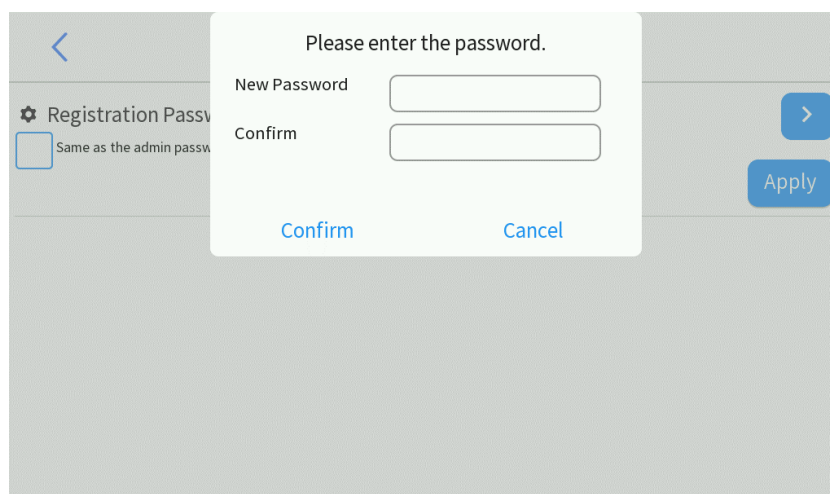
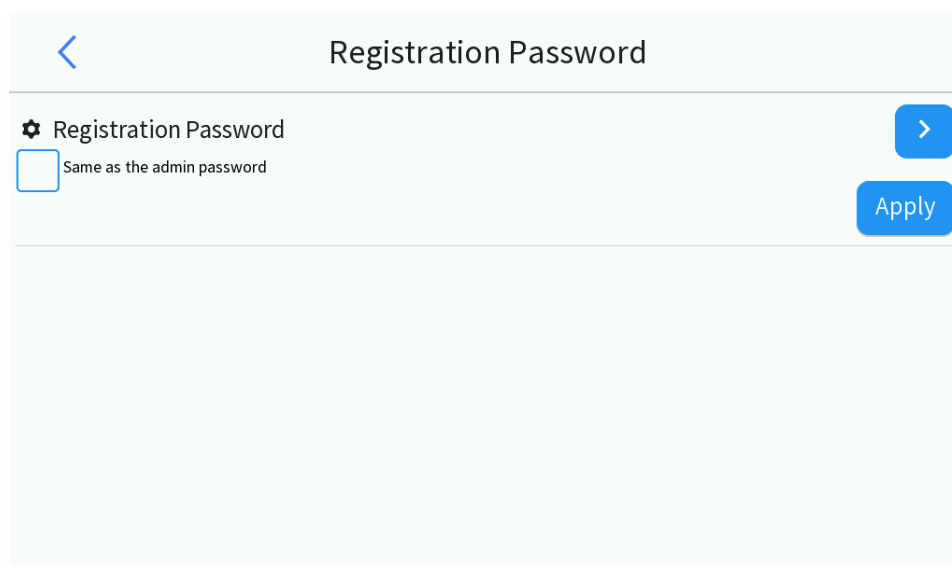
🏠 Device Location


⚠ Do not set the duplicate extension numbers

⚙ Registration Password

⚠ Tips: In the same network, the registration password should be consistent, otherwise the visual intercom function may be useless

Figure 2-7 Registration Password



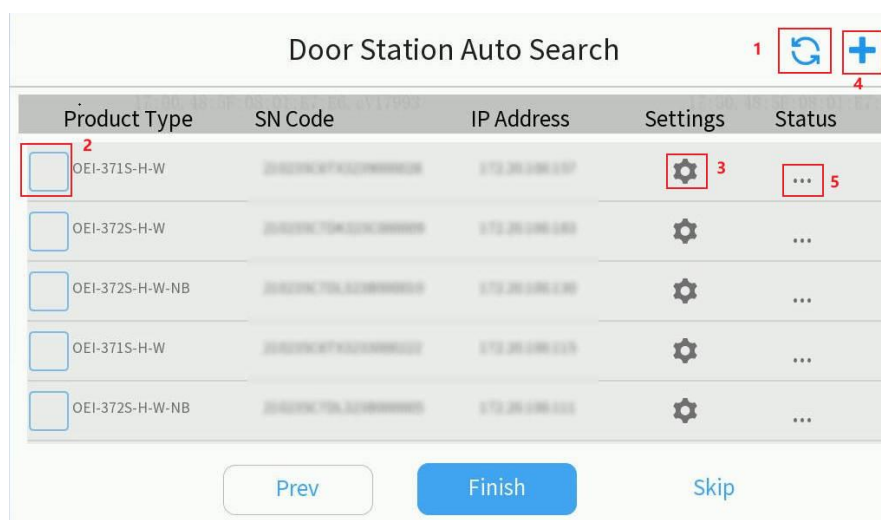
- (4) Set the registration password to relate the indoor station to door station or other monitoring devices for security. Three methods are available:
- Tap **Apply** directly, and the registration password is **12345678** by default.
 - Tap  to customize the registration password, and tap **Apply** to save the setting.
 - Select **Same as the admin password**, tap **Apply**, and then the registration password will be the same as the administrator password of the indoor station.

**NOTE!**

- The outdoor station (intelligent recognition terminal and door station) is located at District 1, Building 1, Unit 1 by default.
- The intelligent recognition terminal can call the indoor station by entering the corresponding room number on the screen. Press the physical button on the door station, and then the device that is located at Building 1, Unit 1, Room 1 will be called by default.

6. Search and add devices.

Figure 2-8 Door Station Auto Search





- (1) Refresh the door station auto search list (it will be refreshed automatically when you enter the screen).
- (2) Select the video intercom devices (door station/indoor station extension) you want to relate.
- (3) Click , and enter the administrator password, and then configure registration password, EZCloud, device location, and multiple doors for door stations (see [4.5 Configure Multiple Doors for Door Stations](#) for details). The registration password of indoor station must be the same as that of the related device (door station/ intelligent recognition terminal), so the video intercom can be used normally.
- (4) Click , and then enter the administrator password of the device to be related.
- (5) Check the device relation status in the list.

Figure 2-9 Enter Administrator Password

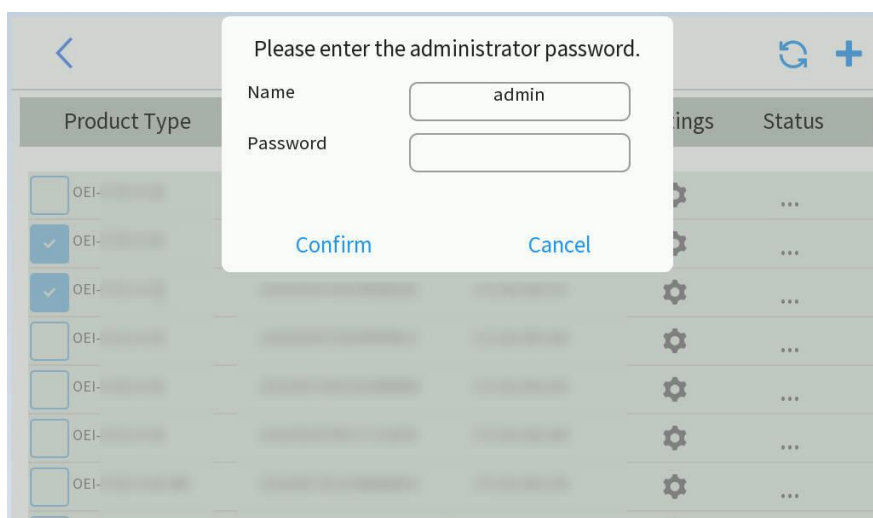


Figure 2-10 Added Successfully

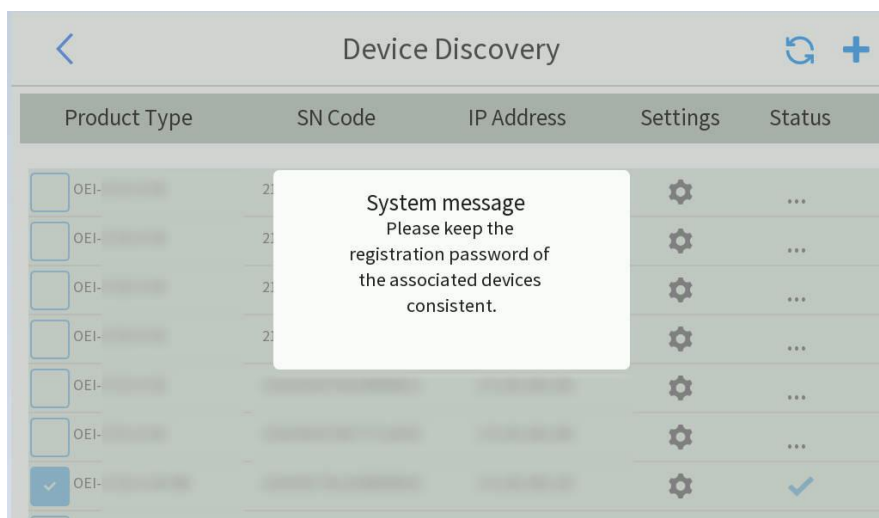
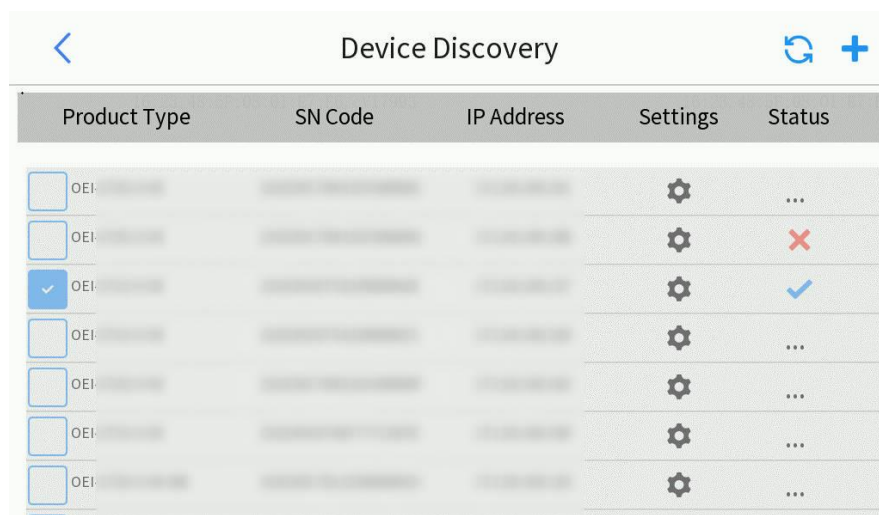


Figure 2-11 Failed to Add

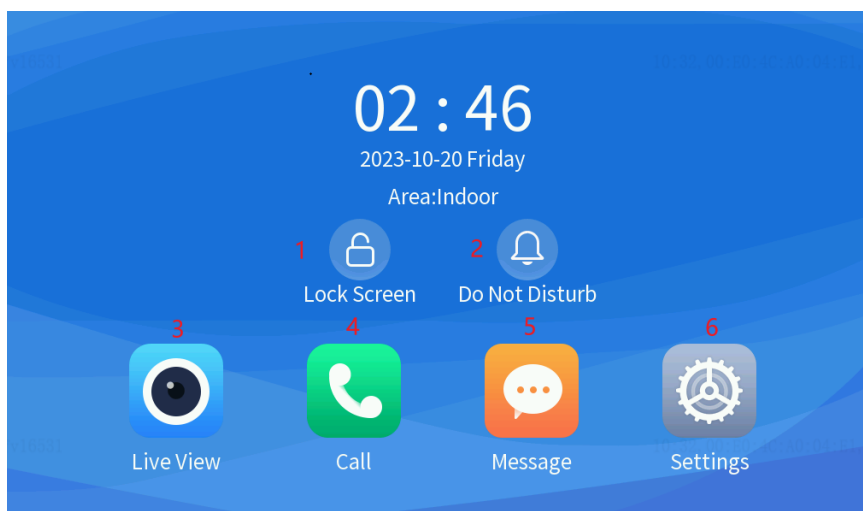
**NOTE!**

- On the **Door Station Auto Search** screen, the outdoor station and indoor station in different network segments cannot be searched.
- The devices must be on the same network segment and in the same unit and room in order to communicate with each other.
- It takes 1 minute to save the related devices. If the indoor station restarts during one minute, the related devices cannot be saved.
- The registration of the indoor station must be consistent with that of the door station, so the video intercom can be used. Currently only the registration password of the single-button villa door station can be edited on the indoor station's screen.
- To delete the related devices, uncheck the checkbox of the devices separately, and tap **+** to cancel the relation in batches.
- When adding multiple door stations, set the extension number for door stations on the **Device Location** screen.

2.2 Indoor Station Home Screen

The indoor station starts automatically after power-on, and the home screen appears. The home screen shows the current time and buttons including Lock Screen, Do Not Disturb, Live View, Call, Message, and Settings.

Figure 1-2 Indoor Station Home Screen

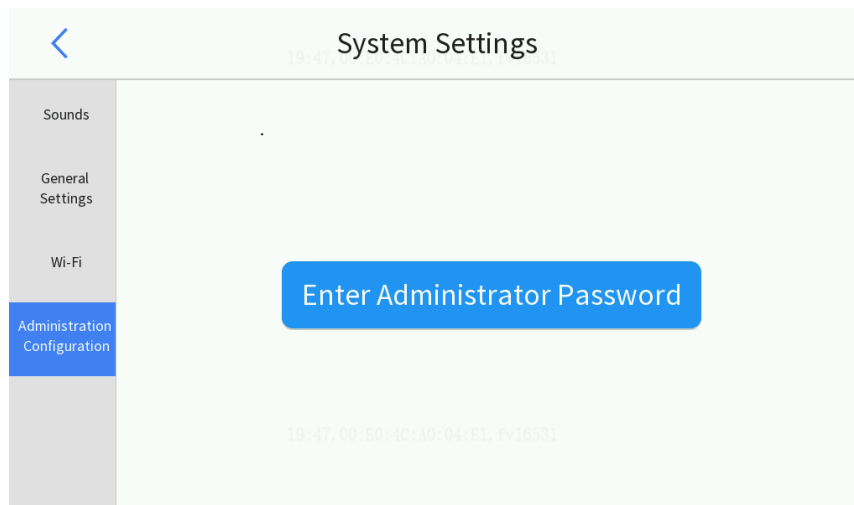


1. Lock Screen: Tap the **Lock Screen** button to lock the screen; Tap anywhere else on the screen to unlock. By default, the screen needs to be locked manually. It can be also locked automatically.
2. Do Not Disturb: When **Do Not Disturb** is on, the indoor station does not sound when a call comes in, but the call remains on the screen until it is answered or ended by the caller. By default, this function is disabled.
3. Live View: When the indoor station is connected to the outdoor station or network camera, you can view live video on its screen.
4. Call: Used to call other extensions in the same room by inputting the corresponding number on the indoor station. You can also view the calling records.
5. Message: Used to view snapshots, visitor messages, and video recordings captured at the moment when the door station makes a call.
6. Settings: The indoor station's screen supports sounds, display, time, door opening password, Wi-Fi, and administration configurations.

2.3 Indoor Station Parameter Configuration

1. Go to **Settings > Administration Configuration**, tap **Enter Administration Password**, and enter the administration password (initial password is **123456**).
2. Enter the **Indoor Station** screen, and then set network and location parameters.

Figure 2-12 Administration Configuration



3. Configure network parameters.

- (1) You can use DHCP to assign a dynamic IP address or set a static IP address.

Figure 2-13 Indoor Station Config

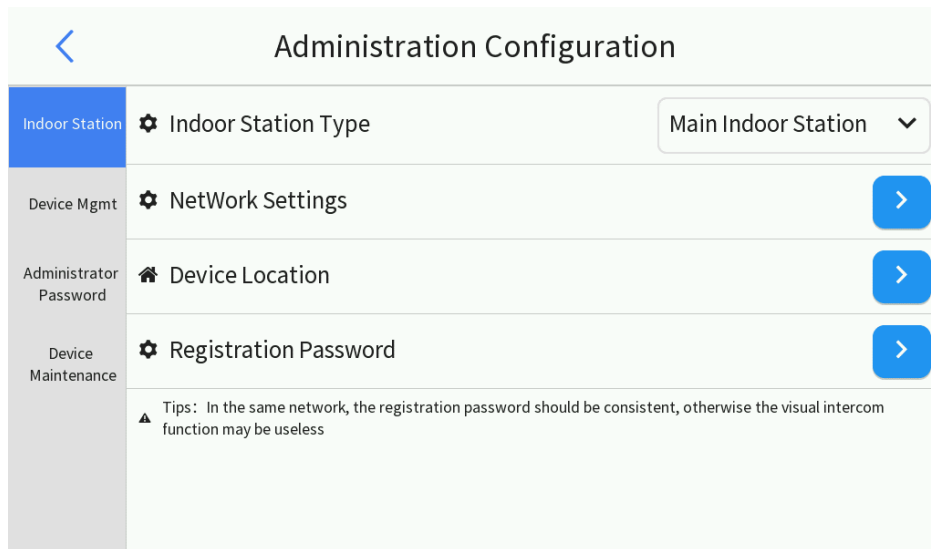


Figure 2-14 Network Settings

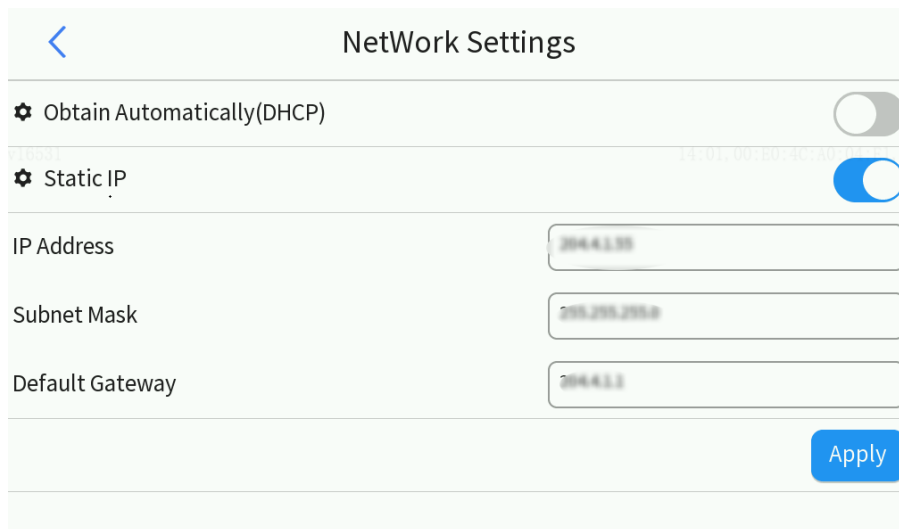
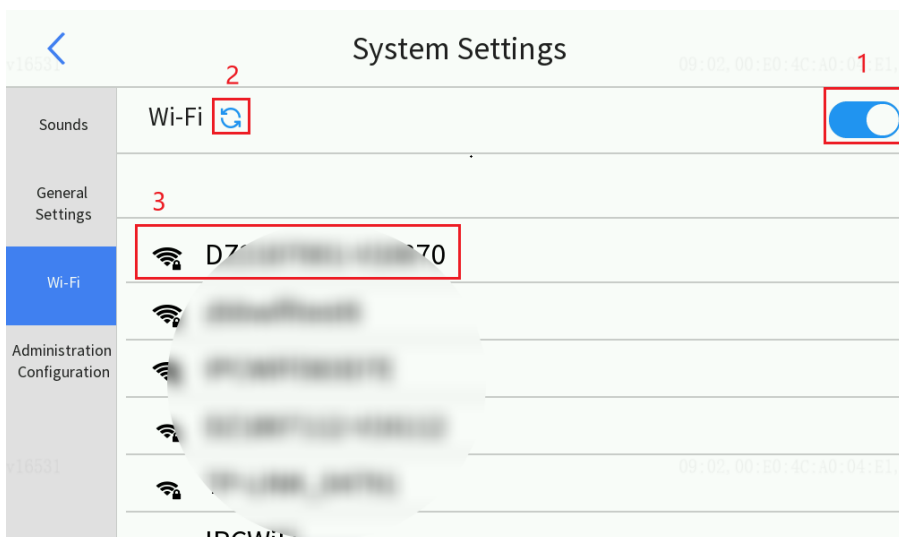


Figure 2-15 Wi-Fi Search



(2) Connect to Wi-Fi.


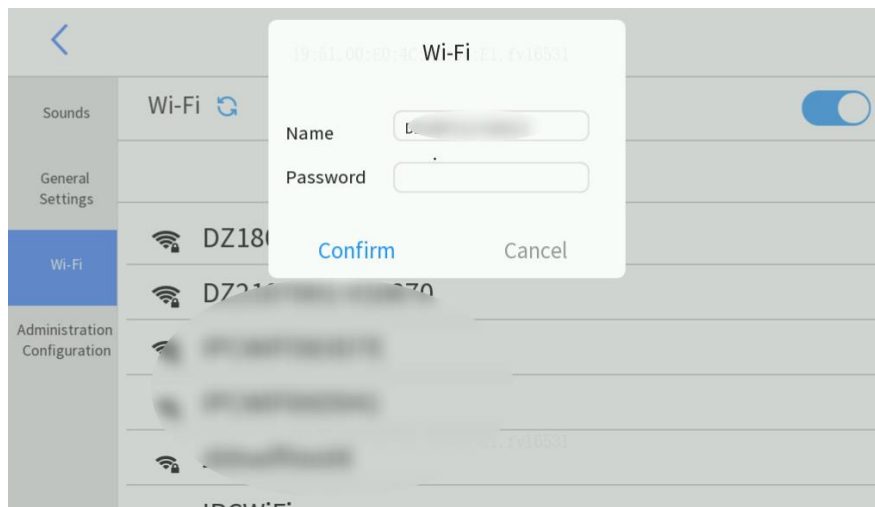
- a Enter the **Wi-Fi** screen and enable **Wi-Fi** (the list will be refreshed automatically after 3 to 6 seconds).
- b Tap  to refresh the list manually.
- c Select a Wi-Fi to connect.

Figure 2-16 Wi-Fi Connection



4. Device location: Set the indoor station's location information including residential compound name, district number, building number, unit number, and room number, which should be consistent with outdoor station's location.

Figure 2-17 Indoor Station Device Location

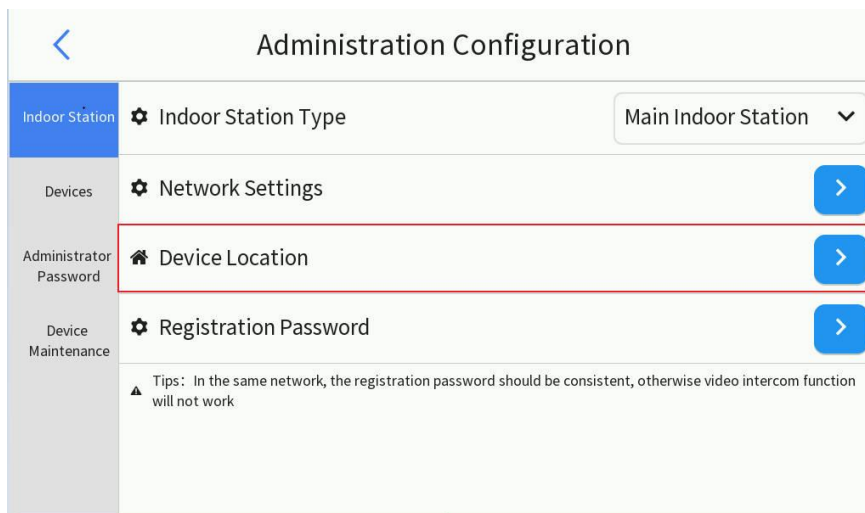


Figure 2-18 Main Indoor Station Location

Device Location	
Village Name	Indoor
District	1
Building	1
Unit	1
Room	1
Extension number	0

[Apply](#)

5. Tap **Apply** to save the settings.

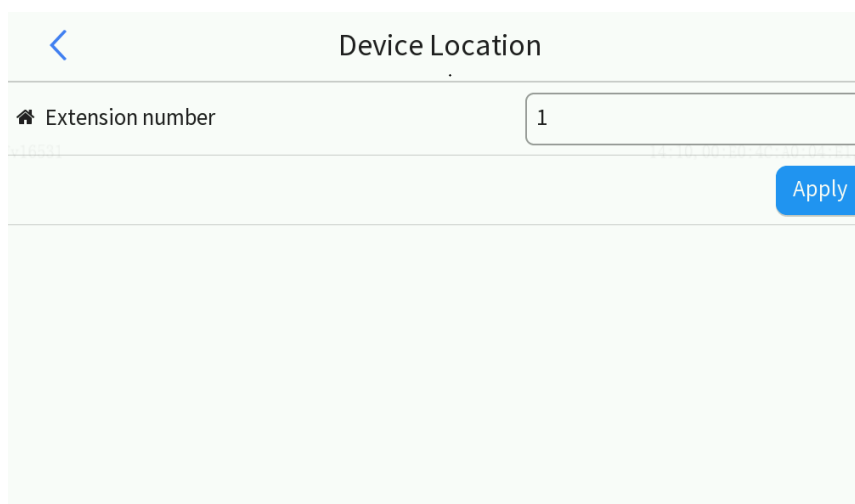


NOTE!

- The default location of the villa door station is Building 1, Unit 1, Room 1 (cannot be modified). The default location of the indoor station is the same as the villa door station.
- The location information of the intelligent recognition terminal can be modified as needed, and meanwhile the location of the indoor station should be modified to be consistent with the terminal.

Figure 2-19 Indoor Station Extension Location

Administration Configuration	
Indoor Station	Indoor Station Type: Main Indoor Station
Devices	Network Settings: Main Indoor Station, Extension
Administrator Password	Device Location: >
Device Maintenance	Registration Password: >
Tips: In the same network, the registration password should be consistent, otherwise video intercom function will not work	

**NOTE!**

On the **Device Location** screen of the extension, only the extension number can be changed. Other location information will be changed automatically with the main indoor station.

6. Connect devices: After configuring indoor station information, you need to connect the indoor station to the outdoor station, and connect the extension to the main indoor station as below.

**NOTE!**

The binding function is only available to the main indoor station mode. Calling records between extensions and other devices can be searched from the main indoor station.

Method 1: Tap , go to **Devices > Device Discovery**, and tap  to relate devices to the indoor station.


- (1) Refresh the device list.
- (2) Select the devices you want to relate.
- (3) Enter the administrator password of the devices to be related, and the system will check if the password is correct. If the device failed to be related, an icon will appear in the corresponding status list.
- (4) The devices will be successfully related after all passwords are correct.
- (5) To add devices with different passwords, select all devices you want to relate, enter the password for one device, then click  to enter the password of the next device, and follow the steps to relate other devices.

Figure 2-20 Devices

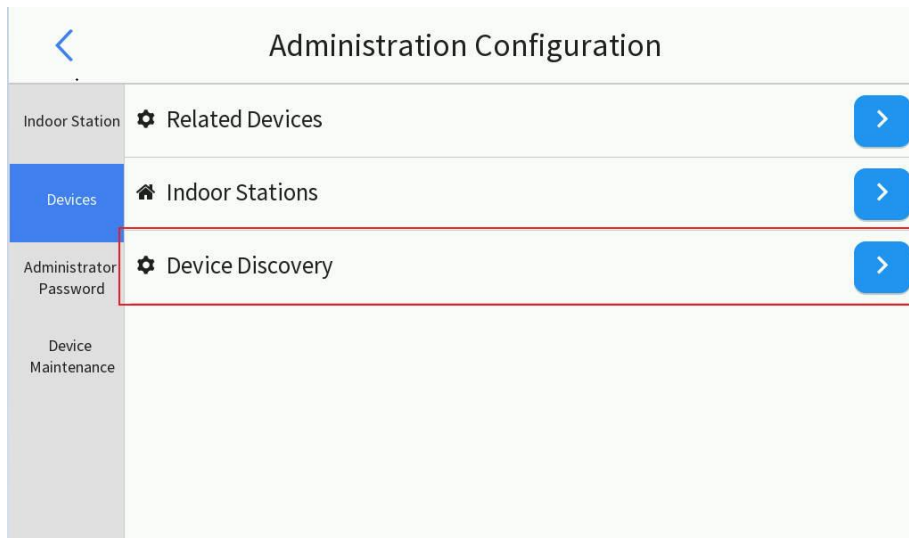


Figure 2-21 Device Discovery

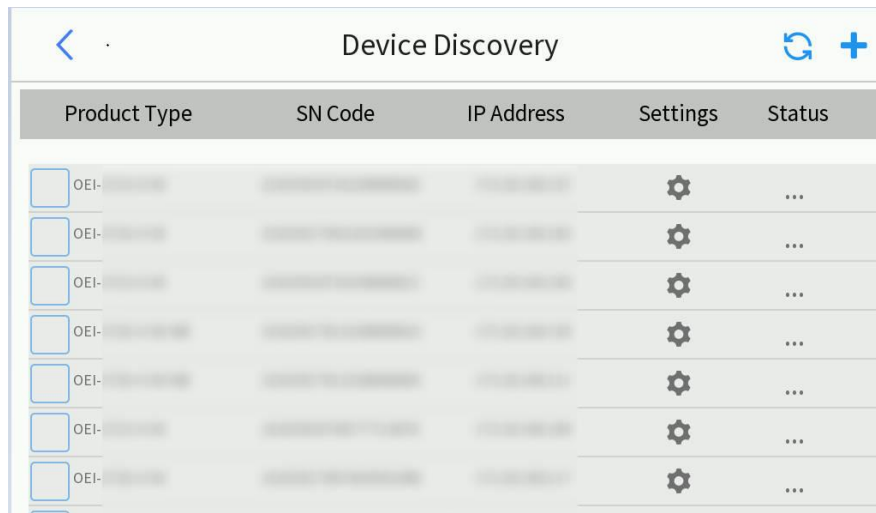


Figure 2-22 Added Successfully

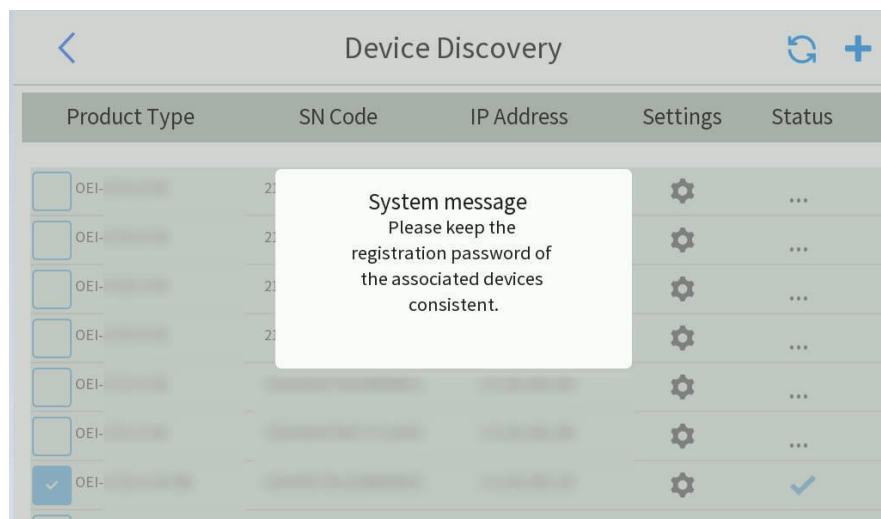
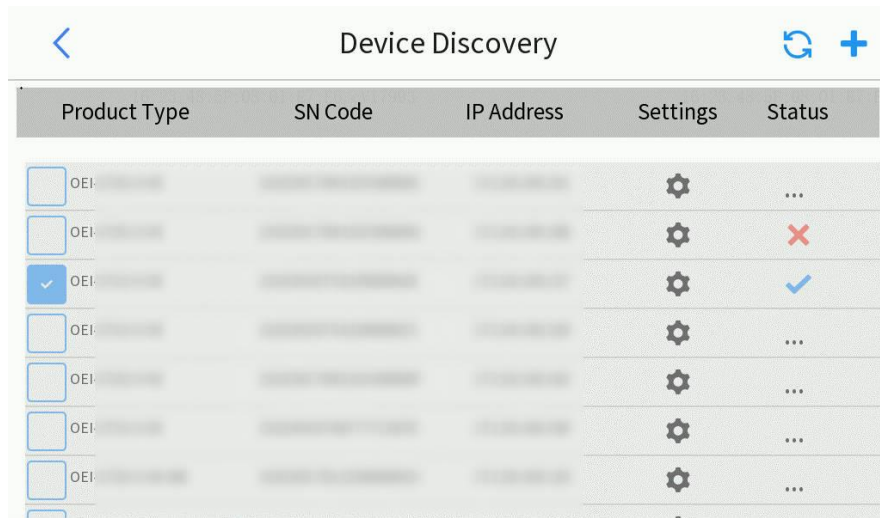


Figure 2-23 Failed to Add



Method 2: Enter the **Related Devices** screen, tap **Add**, and configure the device information as below.

Figure 2-24 Related Devices

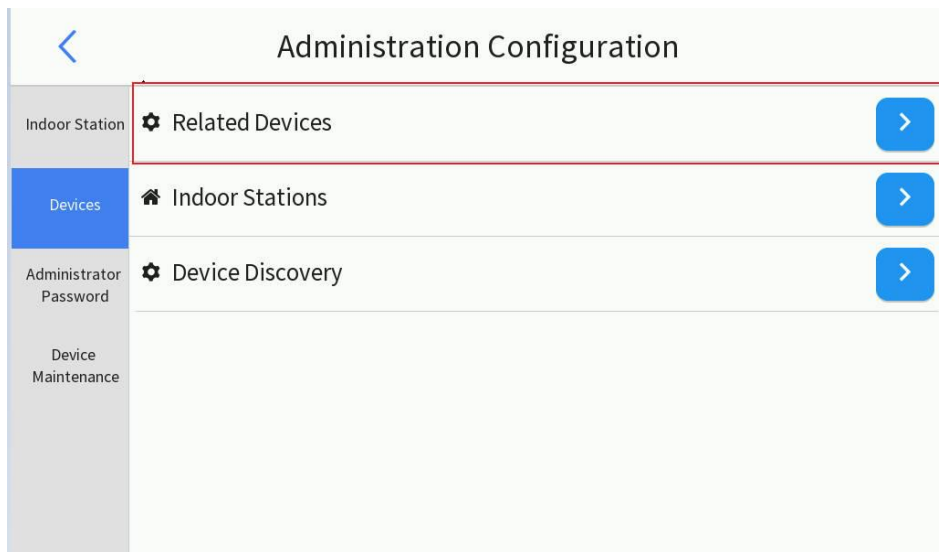


Figure 2-25 Related Devices

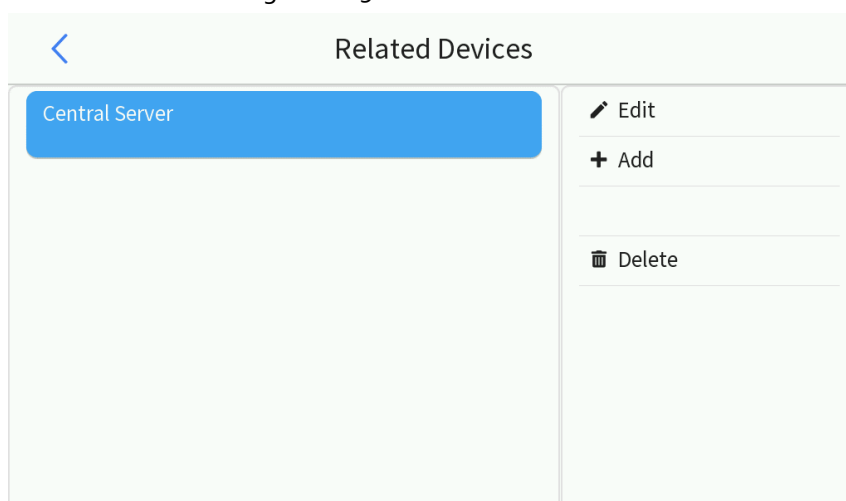
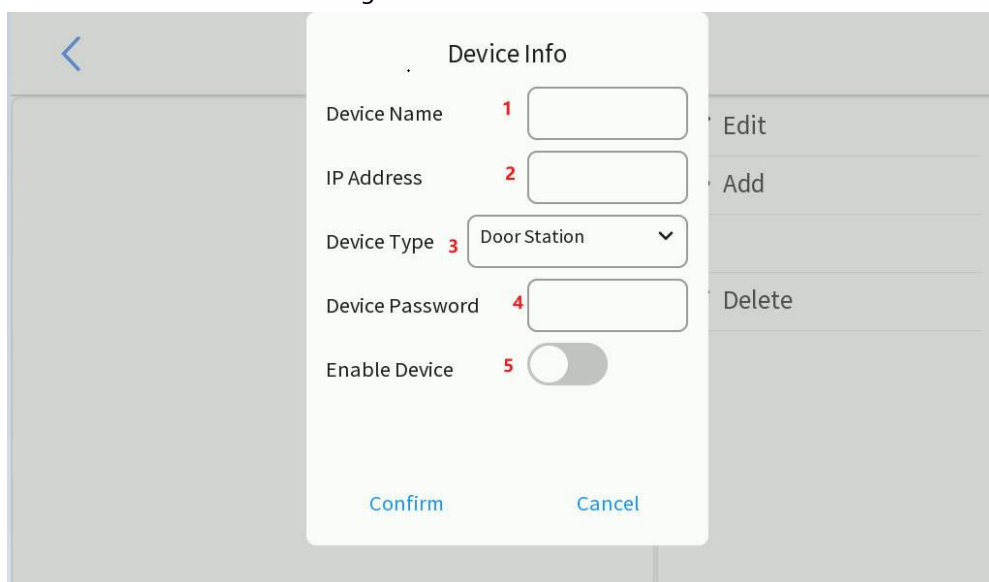


Figure 2-26 Device Info

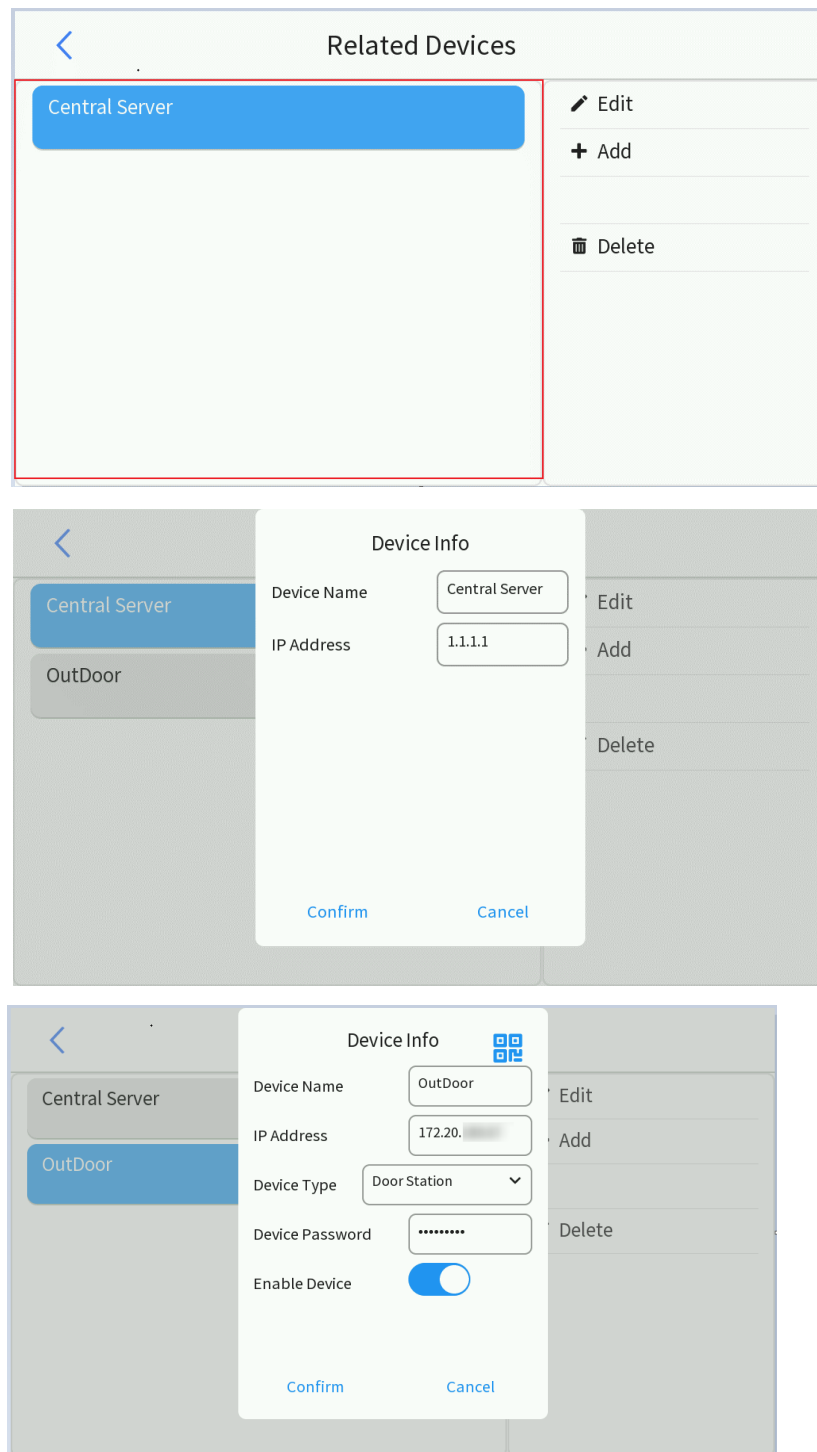


- (1) Enter the device name (optional).
- (2) Enter the IP address (required).
- (3) Select the device type (**Door Station, Camera**).
- (4) Enter the device password.
- (5) Enable the device.

**NOTE!**

To relate a camera, see [Network Camera Configuration](#) for details.

Figure 2-27 Added Related Devices



The **Central Server** is a default related device, and it can only be edited (enter IP address as needed) but cannot be deleted. The related devices (outdoor stations and network cameras) will be displayed in the red box above. Tap **Edit** to view the device's IP address.

Figure 2-28 Relate to Main Indoor Station on Extension

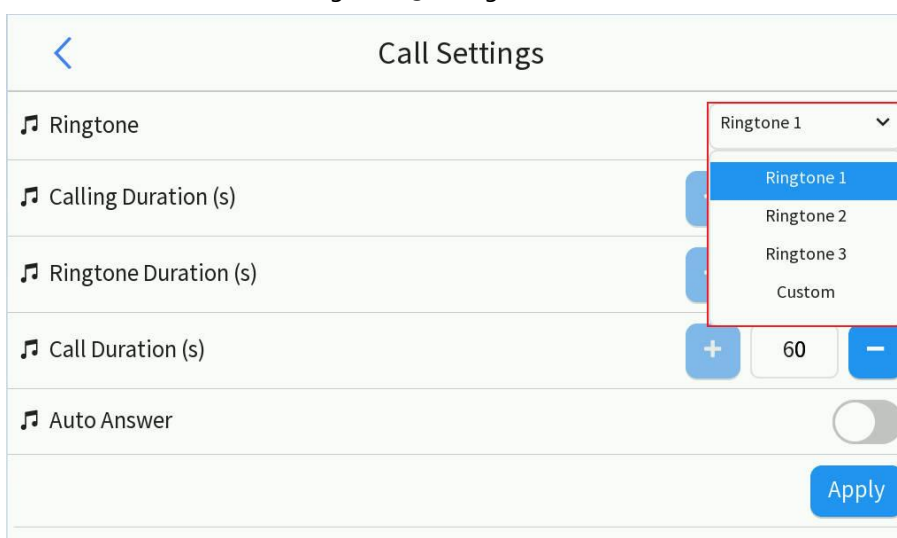
To bind the main indoor station on the extension's screen, enter the **Main Station** screen of the extension, set the name of the main station you want to show on the extension, enter the IP address of the main station, and then tap **Apply**.

7. Configure indoor station's call parameters, including ringtone, calling duration, ringtone duration, call duration, and auto answer.

Figure 2-29 Indoor Station Call Settings

- **Calling Duration:** The time period that the indoor station screen shows a call from the door station or intelligent recognition terminal. It is consistent with the play time on the live view screen. Default: 60.
- **Ringtone Duration:** Length of time that the ringtone sounds when the indoor station receives a call. Default: 60.
- **Call Duration:** The maximum time period that the indoor station answers a call from the door station/intelligent recognition terminal/extension until the call is ended. Default: 60.

Figure 2-30 Ringtone



By default, four ringtones are available including Ringtone 1, Ringtone 2, Ringtone 3, and custom ringtone. It is **Ringtone 1** by default.

To import a custom ringtone, follow the steps below:

- 1) Save the MP3 audio file you want to use to a SD card, and rename it as **Custom**.
- 2) Power off the indoor station, insert the SD card, and then power on the device again.
- 3) Choose **Custom** from the **Ringtone** list, and then click **Apply**.
- 4) The custom ringtone will sound when the indoor station receives a call.

Audio requirements:

- 1) MP3 file.
- 2) 8K sample rate, 16bit, mono channel.
- 3) < 10s for audio duration, < 25KB for audio size.
- 4) Named as **Custom**.

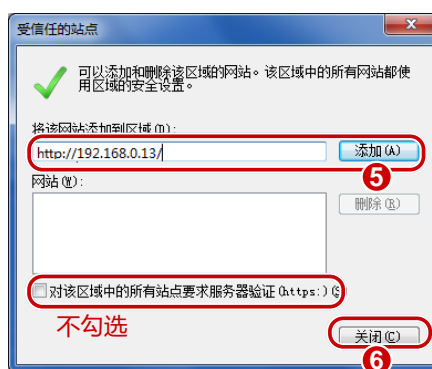
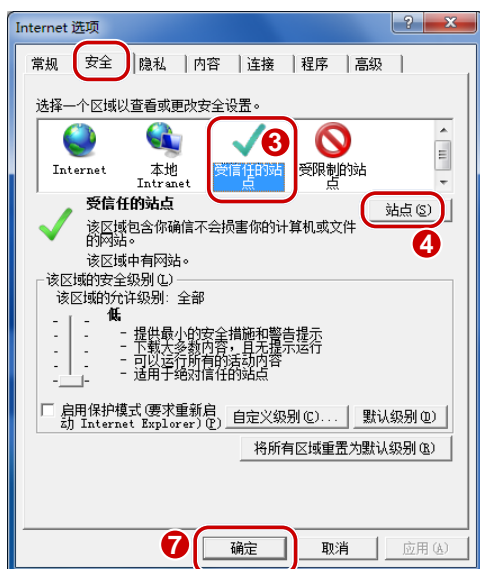
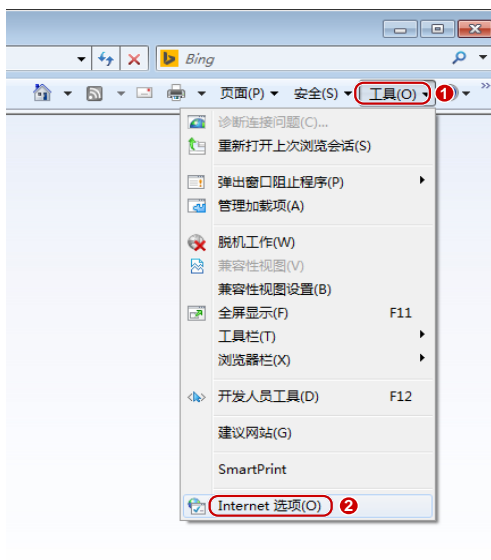
2.4 Outdoor Station Configuration

2.4.1 Door Station Configuration

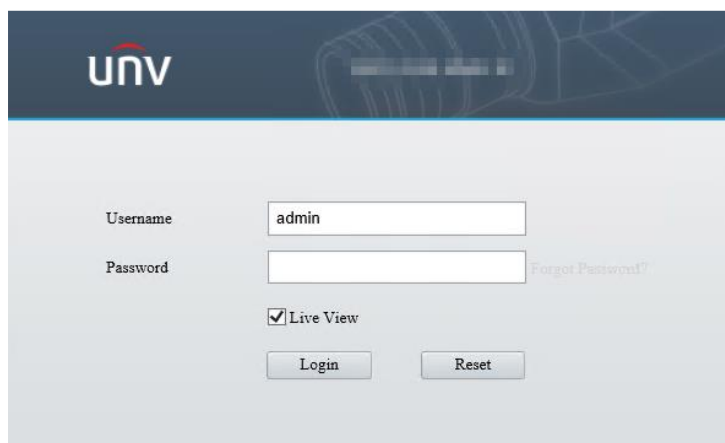
1 Single-Button Villa Door Station

Configure the network: Log in to the Web interface.

1. Before login, make sure the client computer and the door station is connected via network, and the Web browser is IE 9.0 or higher.
2. Add the door station's IP to trusted sites.




3. Enter the door station's IP address (192.168.1.13 by default) in the address bar, and then press **Enter**.
4. Enter the username and password, and then click **Login**.
5. The default username/password is **admin/123456** (If the administration password has been changed, you need to use the new password to log in). A prompt will be displayed to change the default password at your first login.



- (1) At your first login, you need to follow the on-screen instructions to install the latest plug-in; otherwise, you cannot view the live video.

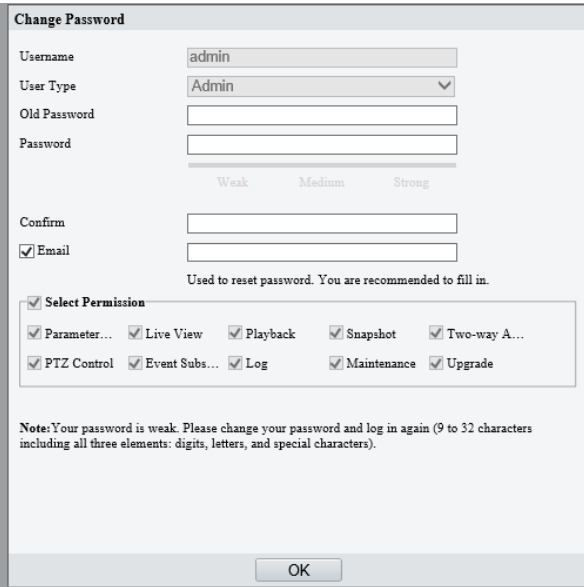
Figure 2-31 Plug-in Installation Prompt

 Please click here to [Download](#) and install the latest plug-in. Close your browser before installation.

- (2) Enter the username and password (**admin/123456** by default).
- (3) (Optional) Select **Live View**, and then the live view will start automatically.
- (4) Click **Login**, and the door station displays the **Live View** interface.
- (5) After the first login, the **Change Password** dialog box appears, in which you must set a strong password and enter your email address so as to receive the security code if you forgot the password (or change the password on the interface). Then, use the new password to log in again.

Door station password requirements: 9 to 32 characters, including digits, letters, and special characters.

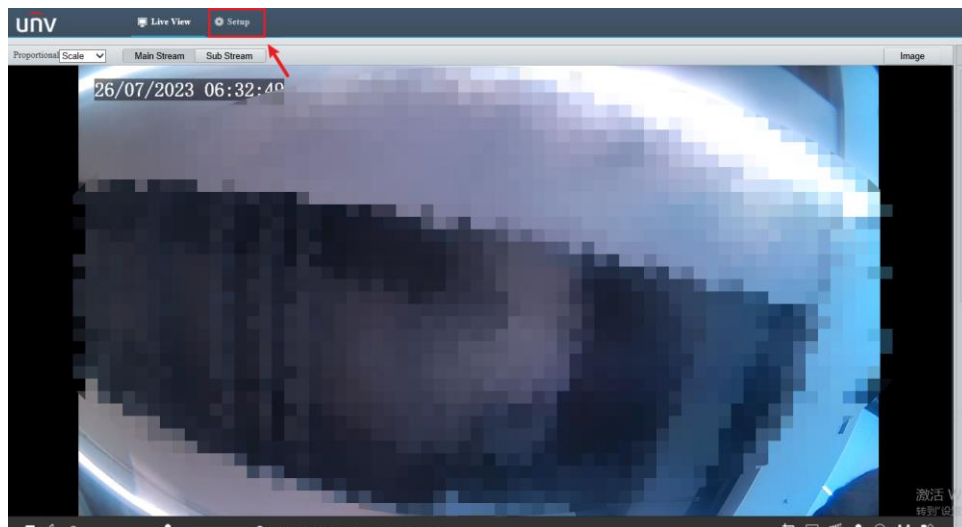
Figure 2-32 Change Password and Bind Email



The image shows a 'Change Password' dialog box with the following fields and options:

- Username:** Text box containing 'admin'.
- User Type:** Dropdown menu showing 'Admin'.
- Old Password:** Text box.
- Password:** Text box with a strength indicator below it showing 'Weak', 'Medium', and 'Strong'.
- Confirm:** Text box.
- Email:** Text box with a checked checkbox and the label 'Email'.
- Select Permission:** A group box containing several checked checkboxes: 'Parameter...', 'Live View', 'Playback', 'Snapshot', 'Two-way A...', 'PTZ Control', 'Event Subs...', 'Log', 'Maintenance', and 'Upgrade'.
- Note:** A text block stating: 'Note: Your password is weak. Please change your password and log in again (9 to 32 characters including all three elements: digits, letters, and special characters).'.
- OK:** A button at the bottom center.

Figure 2-33 Live View



To use a wired network, set **Obtain IP Address** to **Static** and then set a static IP address as shown below.

To use a wireless network, connect to Wi-Fi as shown below.

Figure 2-34 Wired Network

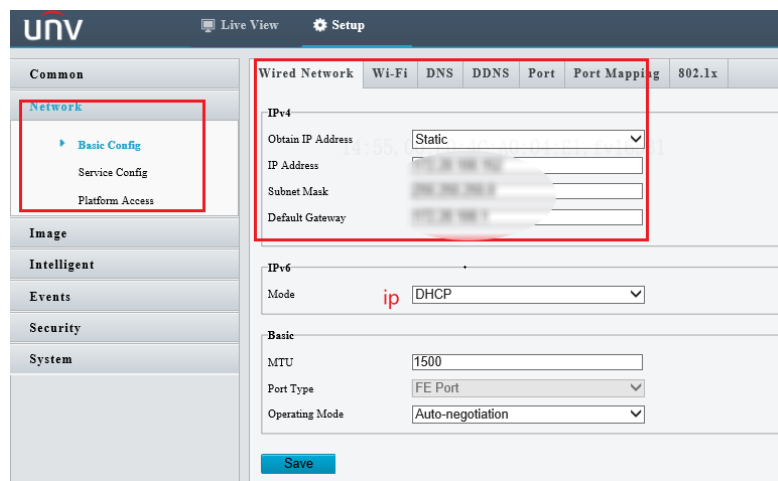
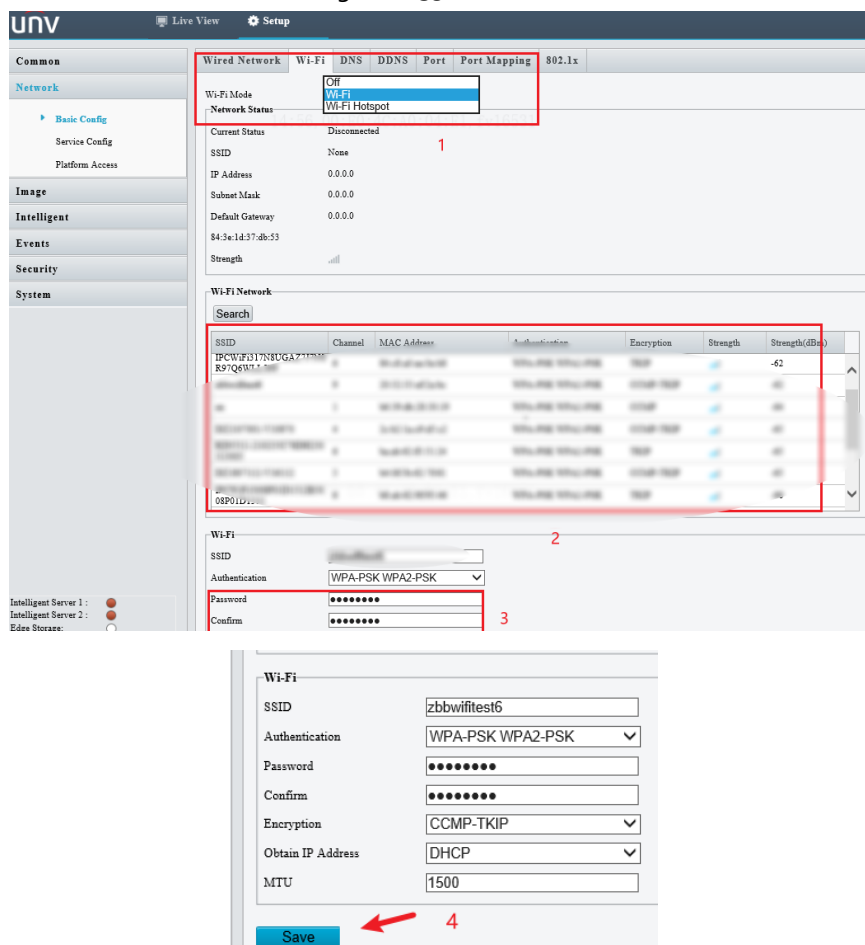


Figure 2-35 Wi-Fi



1. Set **Wi-Fi Mode** to **Wi-Fi**.
2. Select the Wi-Fi to connect from the list.
3. Enter the Wi-Fi password and confirm the password.
4. Click **Save**, and then the Wi-Fi can be connected.



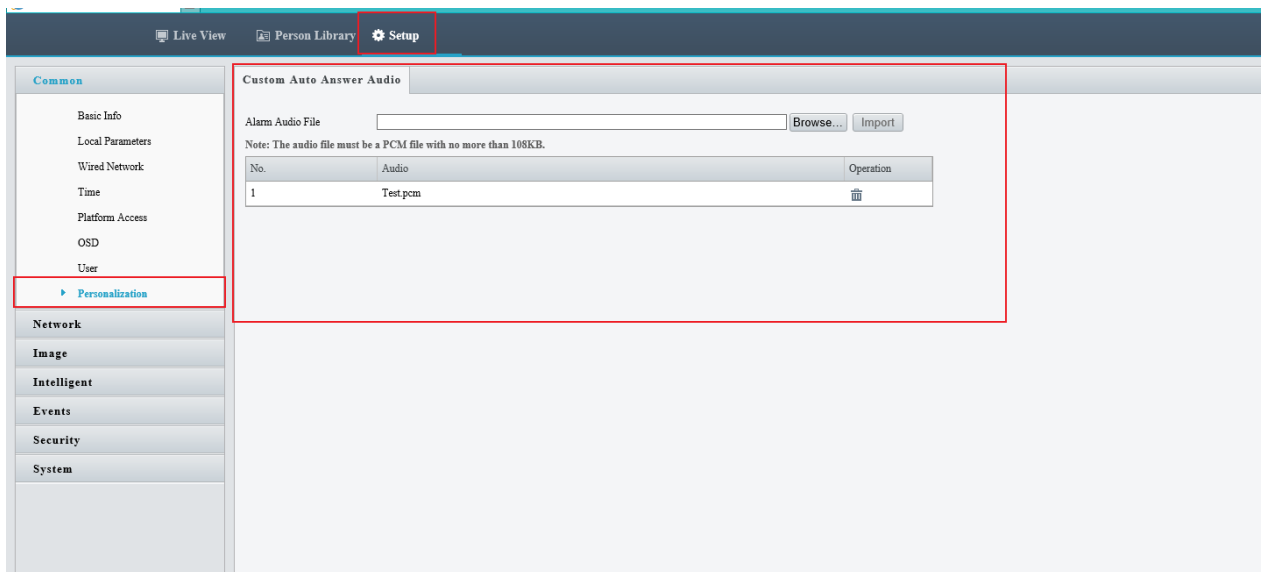
NOTE!

The IP of outdoor station and network camera must be on the same IP segment as that of the indoor station. To use a wireless network, the indoor station should connect to a same Wi-Fi as the door station.

Configure the custom auto answer audio:

1. On the Web interface, go to **Setup > Personalization > Custom Auto Answer Audio**.

Figure 2-36 Personalization



2. Click **Browse...**, select a custom auto answer audio (a PCM file with no more than 108KB) for the first use, and click **Import**. A success message means the audio are imported. Then, the custom audio will be displayed in the audio list.

After enabling **Auto Answer**, the custom audio will sound when indoor station receives a call from the door station.

2 Multi-Button Villa Door Station

The multi-button villa door stations do not support the Wi-Fi connection. After the indoor station is related to the door station, please set the call buttons on the Web's **Device Management** interface of the door station. For the password modification, plug-in installation, and live view configuration, see [Single-Button Villa Door Station](#).

Figure 2-37 Network Settings

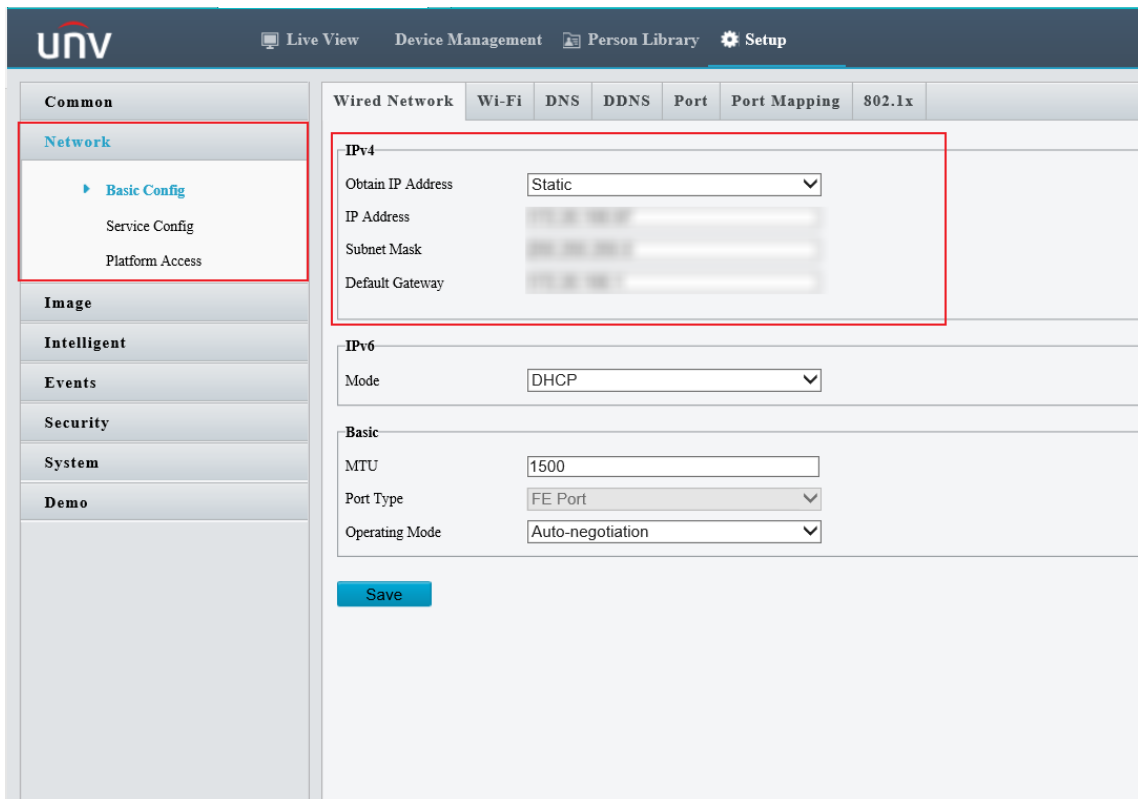
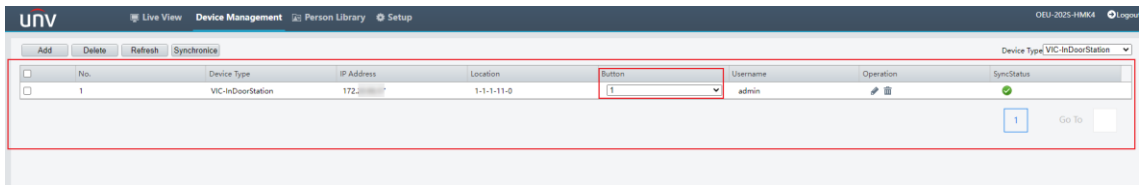
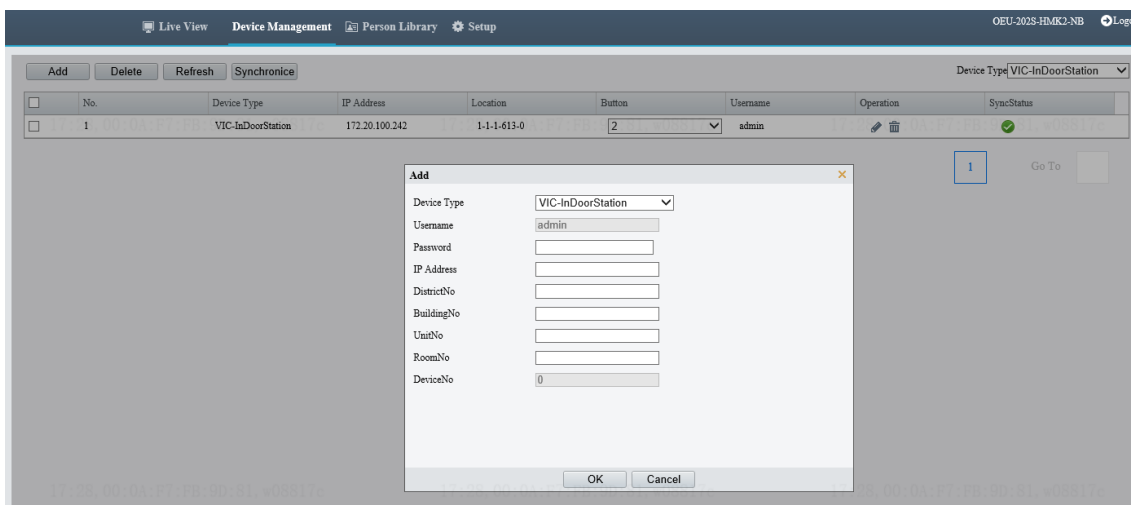


Figure 2-38 Device Management



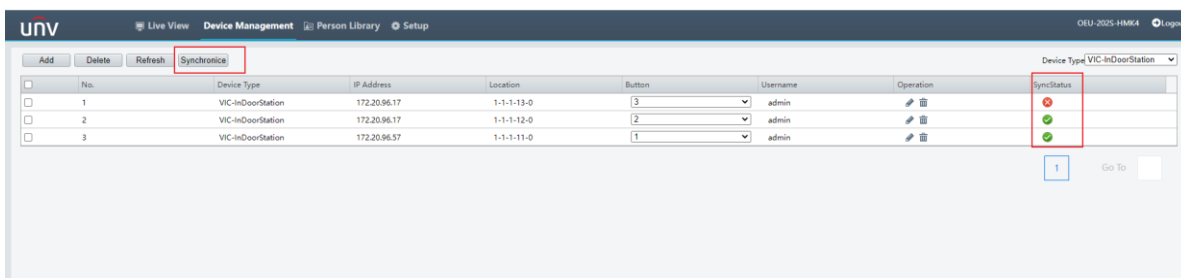
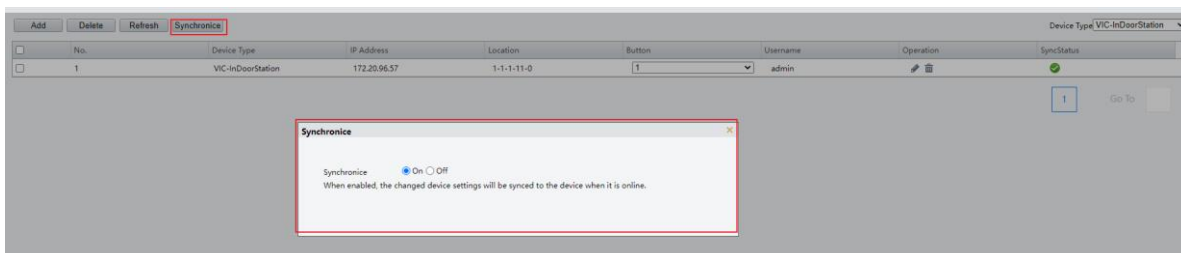
After the indoor station is related to the door station, it will be displayed on the Web's **Device Management** interface of the door station. If four indoor stations are related to the door station, the door station button 1/2/3/4 corresponds to the first/second/third/fourth added indoor station by default. Set the door station button (1 by default) from the **Button** drop-down list to call the indoor station, and then you can call the indoor station by pressing the first call button (arranged from top to bottom) on the door station.

Figure 2-39 Device Management



Click **Add**, enter the indoor station information, click **OK**, and then the **Device Management** interface will show the indoor station. Follow the description above to set the door station button to call the indoor station.

- Password: The admin password of the indoor station.
- IP Address: The indoor station’s IP address.
- DistrictNo, BuildingNo, UnitNo, RoomNo: The indoor station’s location information.



The multi-button door stations support device information synchronization. Click **Synchronize**, if the password of the indoor station added before is consistent with the current password, the device information will be synced, including room number, IP address, etc., otherwise the information synchronization fails.

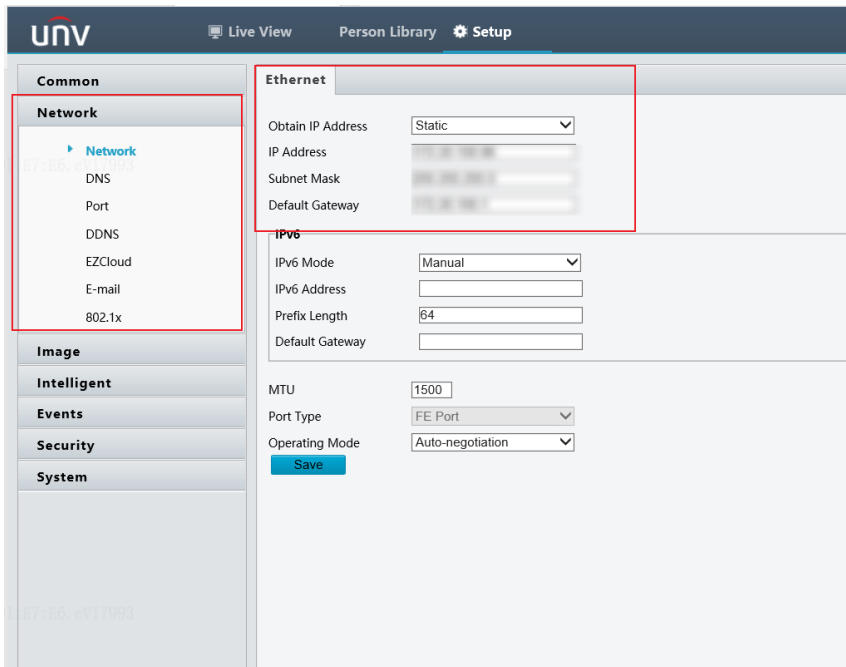
✔ indicates the synchronization is successful, while ✘ indicates the synchronization fails.

The indoor station information will be synced when it is related to the door station for the first time. The synchronization will continue every three seconds if the initial synchronization fails.

3 Apartment Door Station

The apartment door stations do not support the Wi-Fi connection. For the password modification, plug-in installation, and live view configuration, see [Single-Button Villa Door Station](#).

Figure 2-40 Network Settings

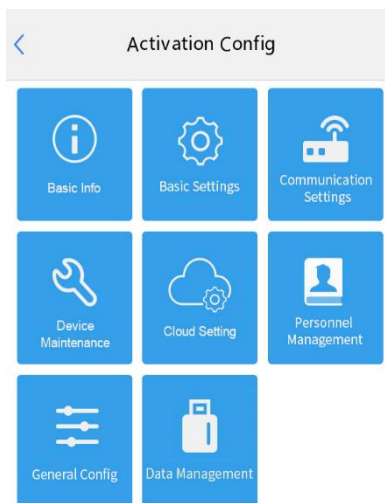


2.5 Intelligent Recognition Terminal

Network settings

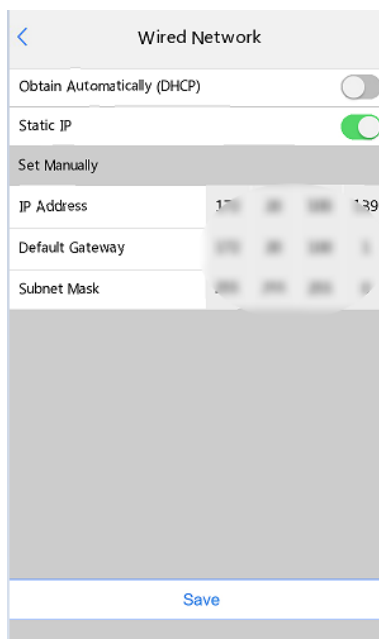
Press and hold for 3s on the screen, and input the activation password. On the **Activation Config** screen, tap **Communication Settings**, change the device's IP address, and then tap **Save**.

Figure 2-41 Activation Config Screen



Set a wired network. To set a fixed IP address for long term use, enable **Static IP**.

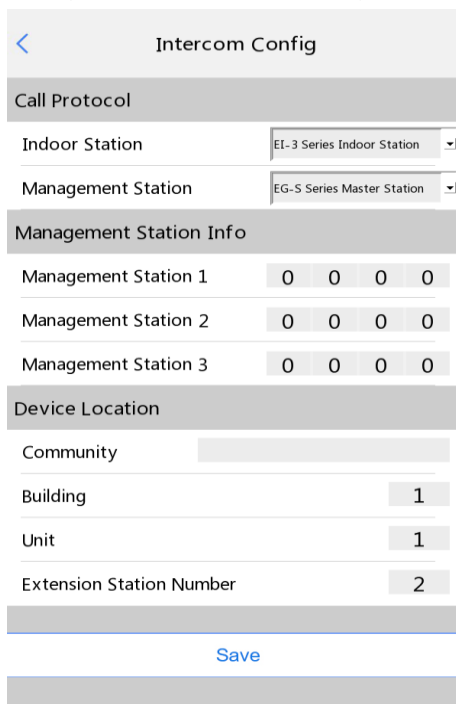
Figure 2-42 Wired Network



Location and call protocol settings:

1. On the device’s **Activation Config** screen, go to **Basic Settings > Intercom Config**.
2. Choose **EI-3 Series Indoor Station** for the indoor station protocol.
3. Device location: The building and unit information (default: 1) of the intelligent recognition terminal should be consistent with those of the indoor station.

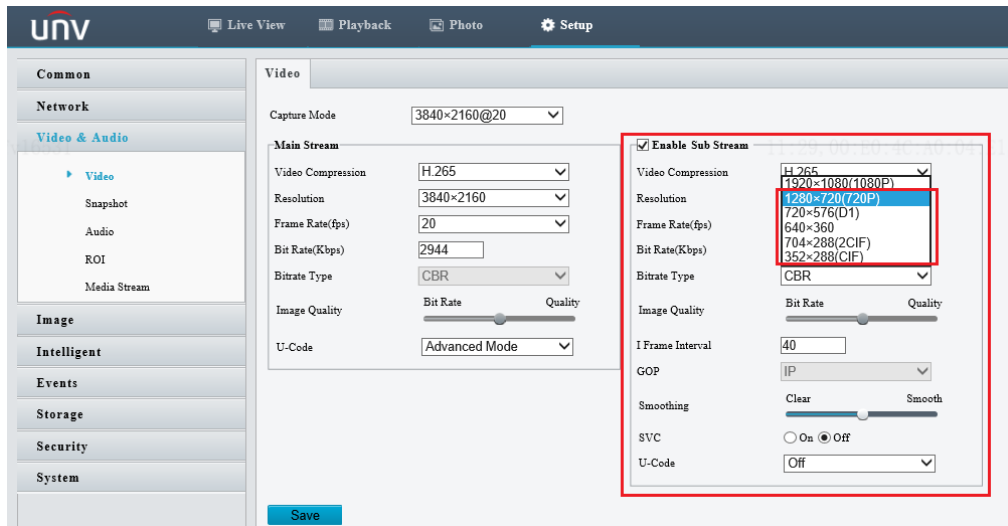
Figure 2-43 Intercom Config



2.6 Network Camera Configuration

To view the live video of network camera on the indoor station, you need to set the camera's sub stream to 720P or lower, and then connect the camera to the indoor station.

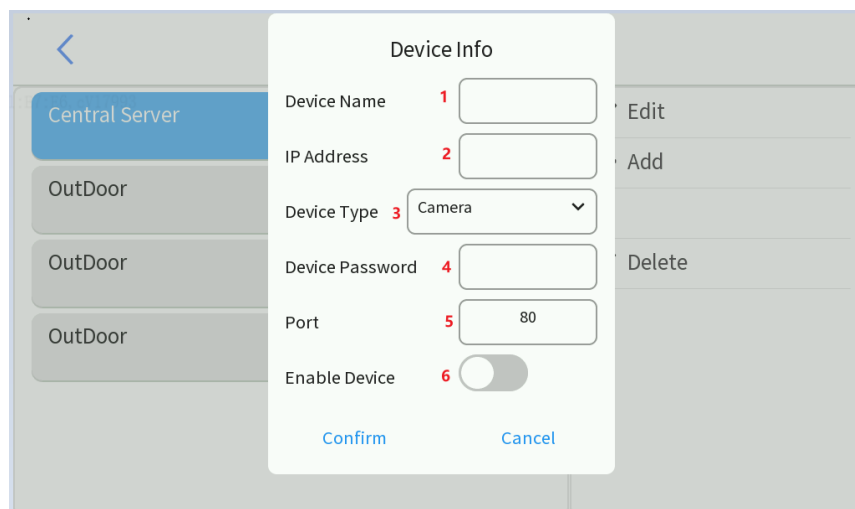
Figure 2-44 Sub Stream Config



1. Log in to the camera's Web interface. See [2.4.1 Door Station](#) for detailed Web login.
2. Set the resolution to **1280 x 720(720P)** or lower.

Enter the **Related Devices** screen, tap **Add**. Set the device information as below.

Figure 2-45 Add an IPC to Indoor Station.



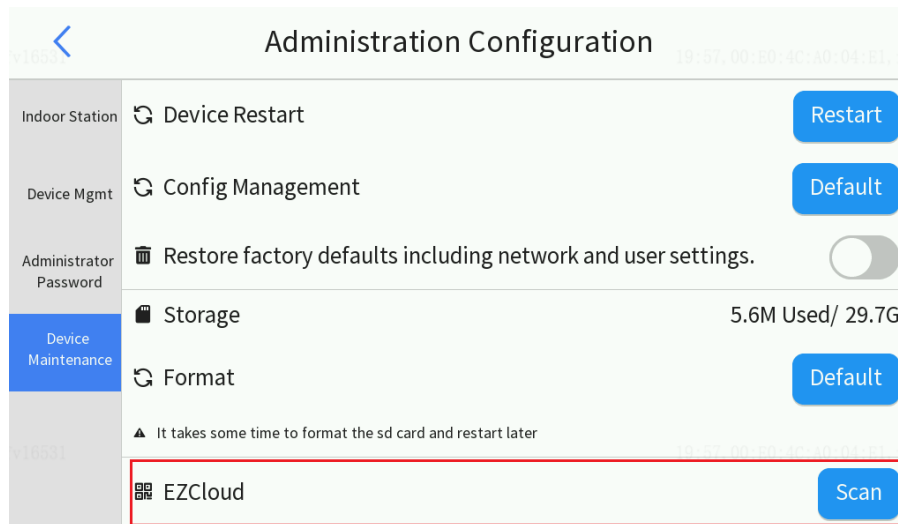
1. Enter the device name (optional).
2. Enter the IP address (required).
3. Set **Device Type** to **Camera**.
4. Enter the camera password.
5. Enter the port number. Default: 80.
6. Enable the device.

2.7 Add Device to App

2.7.1 EZCloud QR Code

1. On the indoor station's screen, go to **Settings > Administration Configuration > Device Maintenance**, tap **Scan**, and the indoor station's register QR code appears.

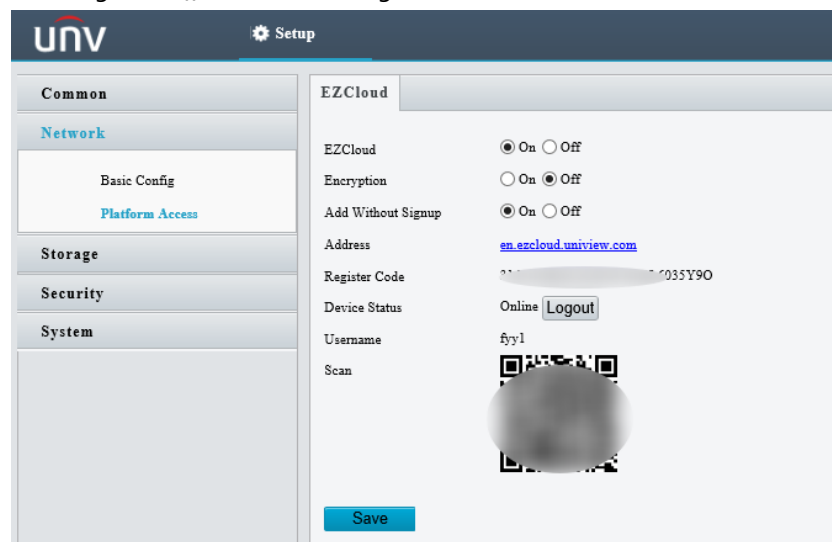
Figure 2-46 View EZCloud QR Code



2. Scan the register QR code with the UNV-Link app, and then bind the device as prompted. See [Bind Device](#) for details.

EZCloud QR code on the Web interface:

Figure 2-47 EZCloud Configuration on the Web Interface



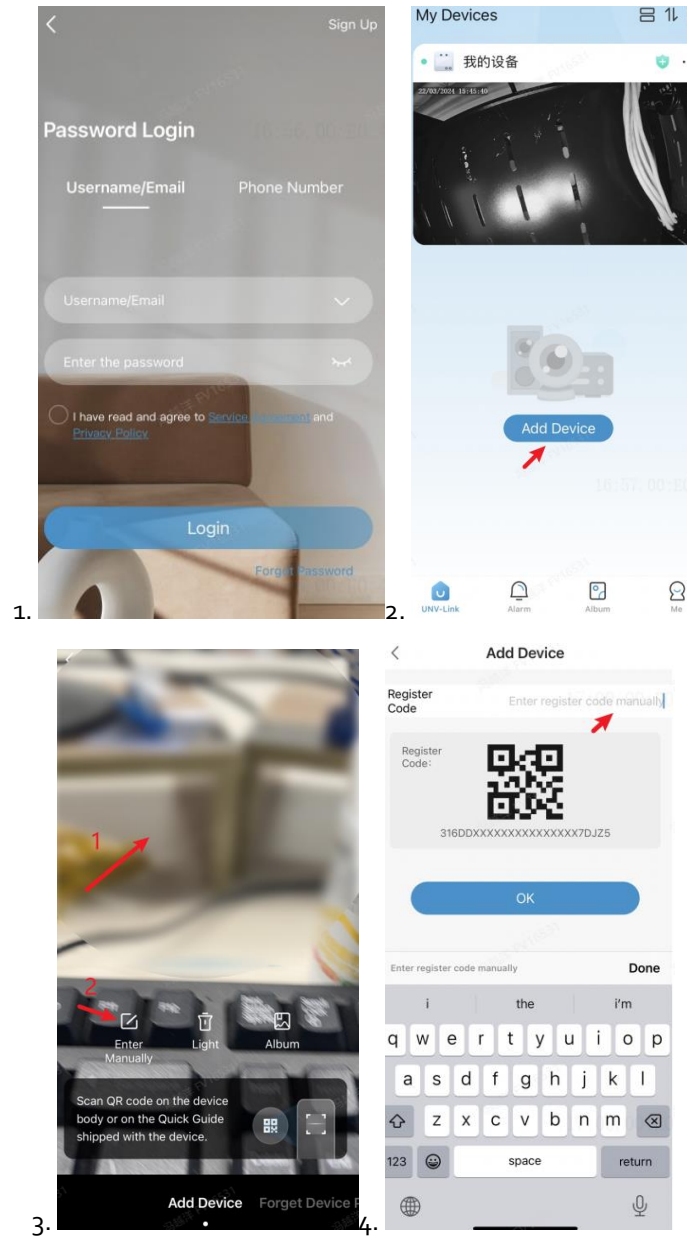
1. After connecting the device to the public network, log in to the Web interface and then configure EZCloud.
2. Check the device status. If it is online, it means that the device is connected to EZCloud.

The register code is used to connect the device to EZCloud, which can be obtained by scanning the QR code.

2.7.2 Bind Device

Log in to the UNV-Link app.

Figure 2-48 Bind Device to App



1. Enter the login screen of app.
2. Log in to the app, and then the home screen appears.
3. Enter the **Add Device** screen (1. Scan the QR code 2. Enter the register code).
4. Enter the register code manually to add the device to the app.

3 Video Intercom Operations

3.1 Video Intercom with Door Station

3.1.1 Villa Single-Button Door Station

After completing the video intercom configuration of indoor station and door station, press the physical button as shown below to call all connected main indoor stations and door station extensions in the same room.

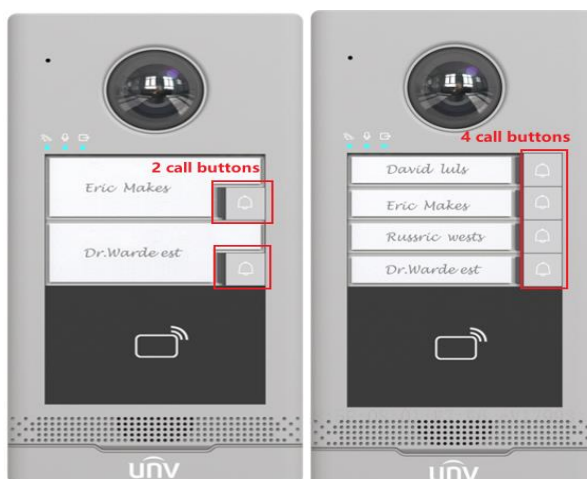


NOTE!

When the indoor station and door station are in a call, the white status indicator around the physical button is blinking. The indicator is off when there is no call.

3.1.2 Villa Multi-Button Door Station

After indoor stations and the multi-button door station have completed video intercom configuration, press the call button to call the corresponding indoor station and extensions. For the door station configuration, see [Multi-Button Villa Door Station](#).

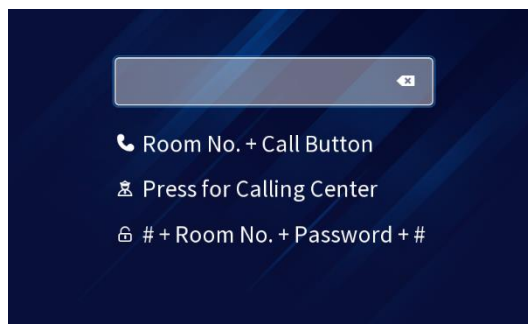


3.1.3 Apartment Door Station

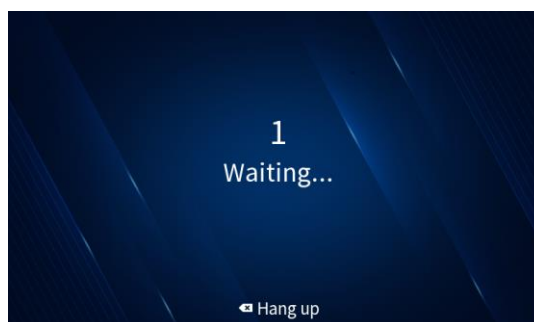
After indoor stations and apartment door station have completed video intercom configuration, follow the screen prompt on the apartment door station to input the room number of the indoor station by pressing the digit button, and then press the call button to call the corresponding indoor station and extensions. You need to input 4-digit room number. If the room number is less than 4 digits (for example, 1), please input 0 before the actual room number by default, for example, 0001.



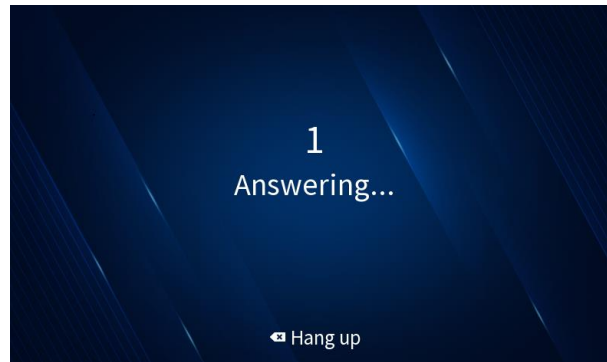
Apartment door station screen



Screen when the apartment door station makes a call



Screen when the apartment door station is in a call



3.2 Video Intercom with Intelligent Recognition Terminal

After completing the basic settings, the devices can start video intercom. Operations are available to outdoor station and indoor station, including make calls, answer calls, door opening (door station supports two doors, intelligent recognition terminal supports one door), and live video.

On the intelligent recognition terminal screen, tap the **Call** button, enter the room number, and then press **OK** to call the corresponding indoor station.



NOTE!

The door station can control multiple doors, while the intelligent recognition terminal can control one door. The device's calling and answering screen will show the corresponding door opening buttons based on the number of doors on the indoor station.

Figure 3-1 Home Screen

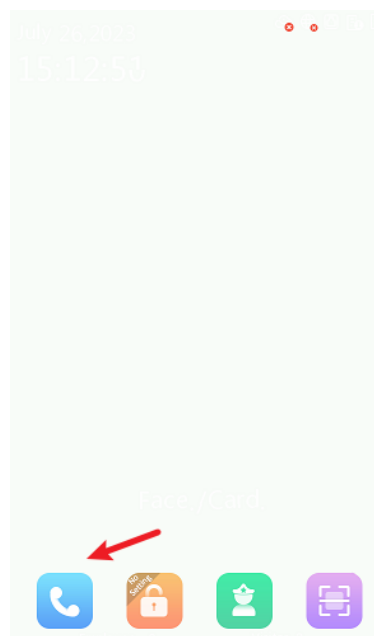
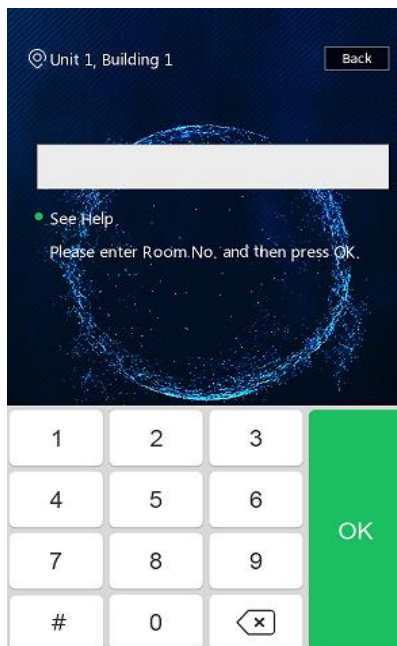


Figure 3-2 Dialing Screen



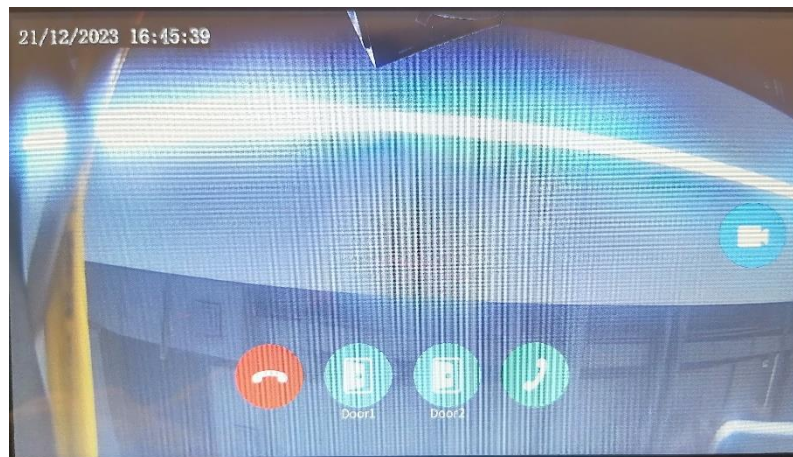
For example, if the room number is 18, input 18 on the screen, tap **OK**, and then the intelligent recognition terminal will call all indoor stations in the room.

Figure 3-3 Calling Screen



The intelligent recognition terminal screen shows a waiting status, and the indoor station screen shows an incoming call.

Figure 3-4 Indoor Station Screen Showing Incoming Call



The four buttons on the screen are used to decline the call, open the door 1, open the door 2, and answer the call. To open the door, tap the corresponding **Unlock** button. To answer the call from the intelligent recognition terminal, tap the **Answer** button. Tap the **Recording** button to record the live video when the indoor station receives a call or is calling with the door station or intelligent recognition terminal.

The visual intercom terminal screen shows different status, depending on whether the indoor station answers the call.

1. The call is answered

After the call is connected, the indoor station and intelligent recognition terminal screens are as shown below:

Figure 3-5 Intelligent Recognition Terminal

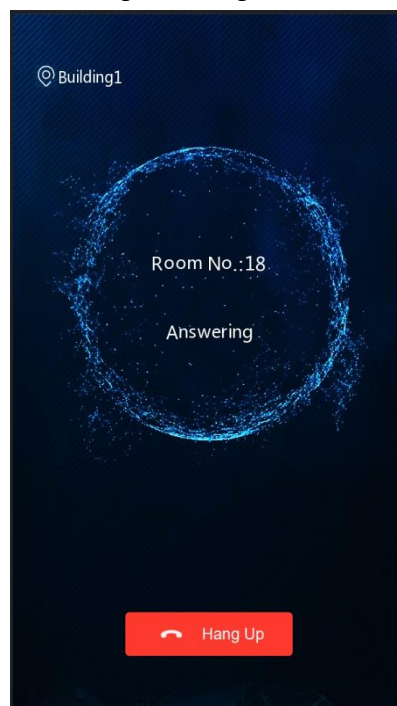
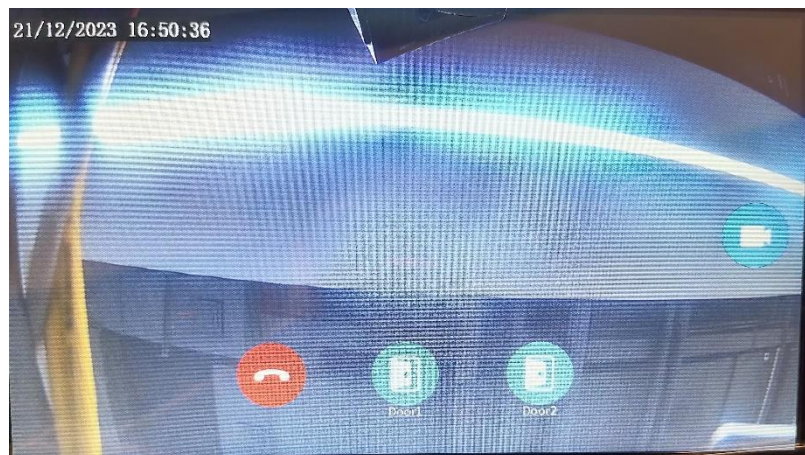


Figure 3-6 Indoor Station



Tap the **Hang up** button to end the call, or tap the **Unlock** button to open the door. Tap the **Recording** button on the right to record the live video.

**NOTE!**

Currently the default length of a call is 60s. If the indoor station does not answer the call within 60s, the outdoor station automatically ends the call. The default calling duration is 60s, and the outdoor station automatically hangs up if the calling time reaches 60s.

3.3 Call Extension

Bind all extensions to a same indoor station, and set their location information to same building, unit, and room, and different extension numbers, so they can make video intercom with each other.

Figure 3-7 Call Function of Indoor Station Extension

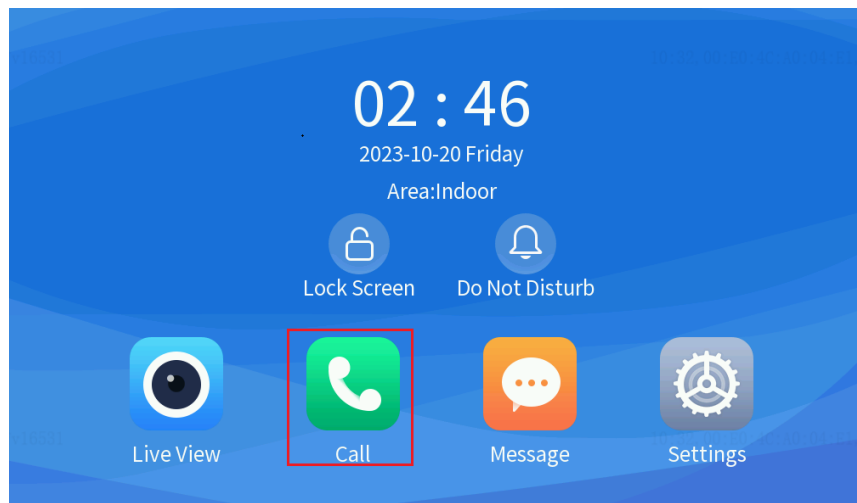
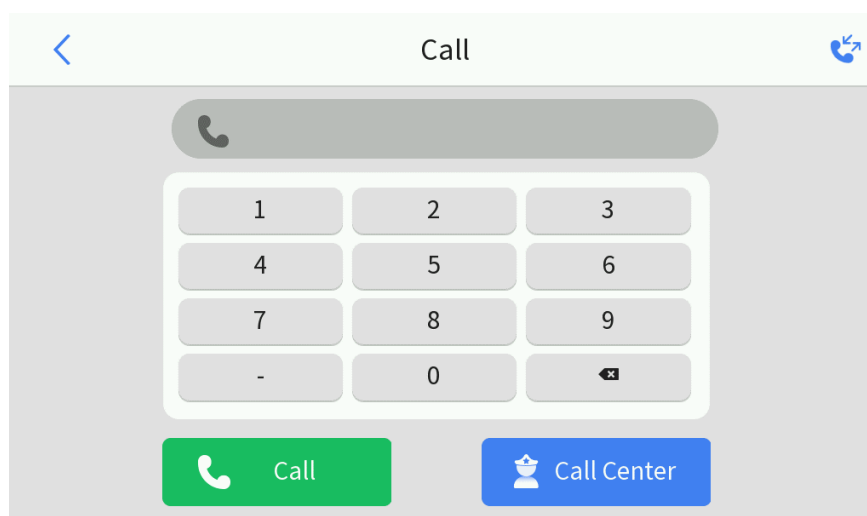


Figure 3-8 Extension Calling Screen



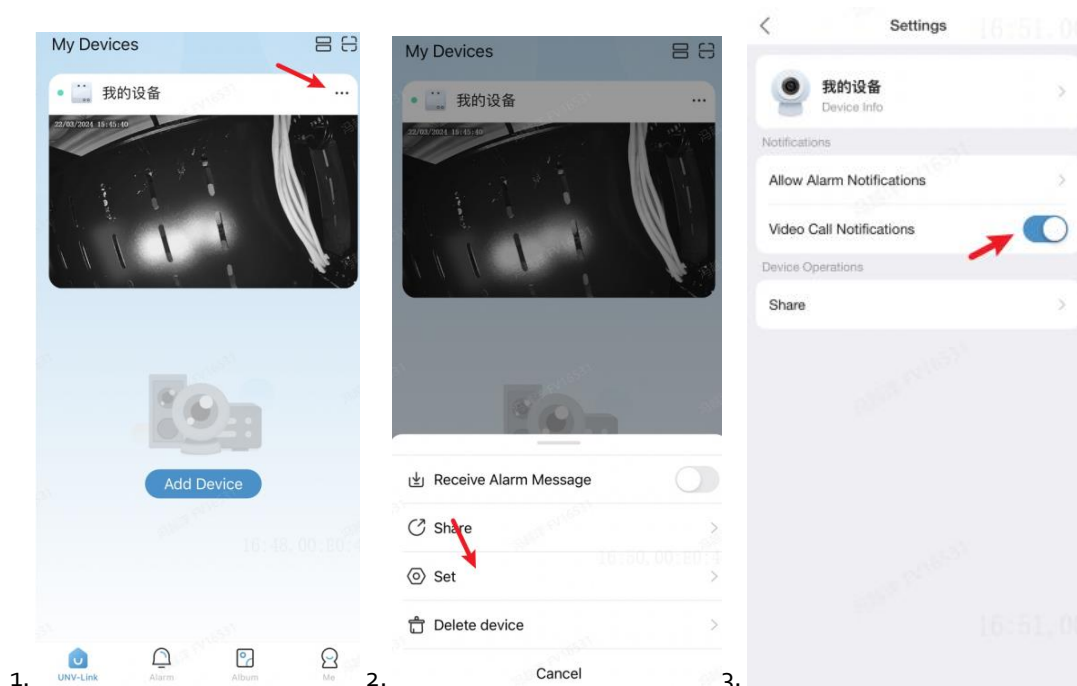
For example, to call the extension in a same room with the extension number of 2, you need to input 2 and then tap **Call**.

**NOTE!**

For the extension, the default length of a call and calling time have no limitation. The device will end the call and calling until it is hung up.

3.4 Call App

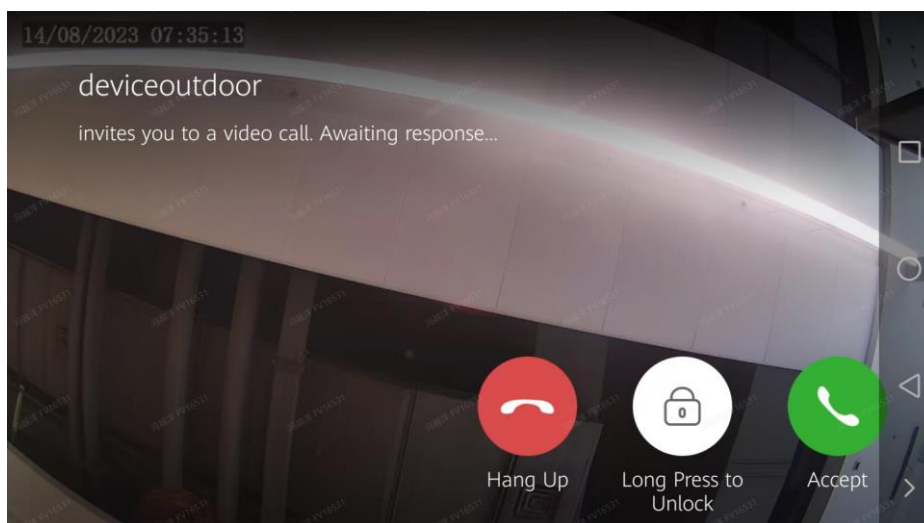
Figure 3-9 App Video Intercom Configuration



1. Click **...**.
2. Click **Set** to enter the **Settings** screen.
3. Enable **Video Call Notifications**.

After completing the settings, when the door station calls the indoor station, the indoor station and app screens all show an incoming video call as below.

Figure 3-10 App Screen Showing Incoming Call

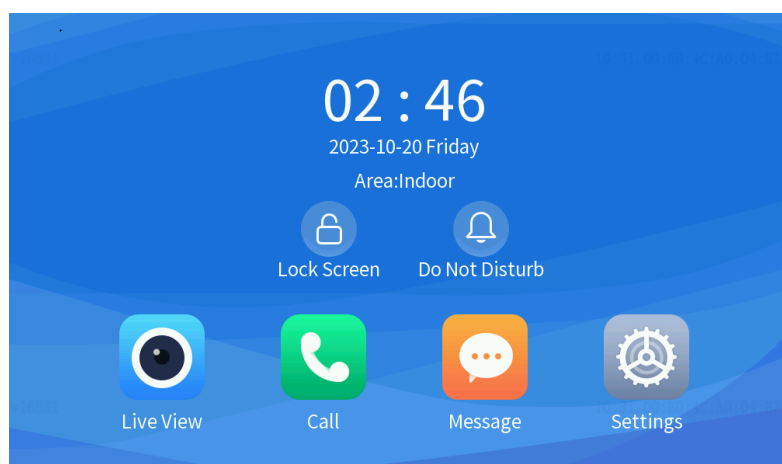



4 Common Functions

4.1 Live View

After the indoor station is connected to the outdoor station or network camera, you can tap **Live View** on the indoor station's screen to view live video from the connected outdoor station or network camera.

Figure 4-1 Indoor Station Live View



Tap . The live view screen appears.

By default, the right list displays the linked outdoor stations. To view the linked network cameras, enter the **Camera** tab.

- Tap the device name, and the left window will play its live video.

- The device name and the remaining play time are displayed at the top of the screen.

**NOTE!**

A 60s live video will be played by default. The screen will automatically exit after 60s. To view the live video again, you need to tap the corresponding button. The snapshot and door opening functions are unavailable for the extension.

Figure 4-2 Door Station Live View

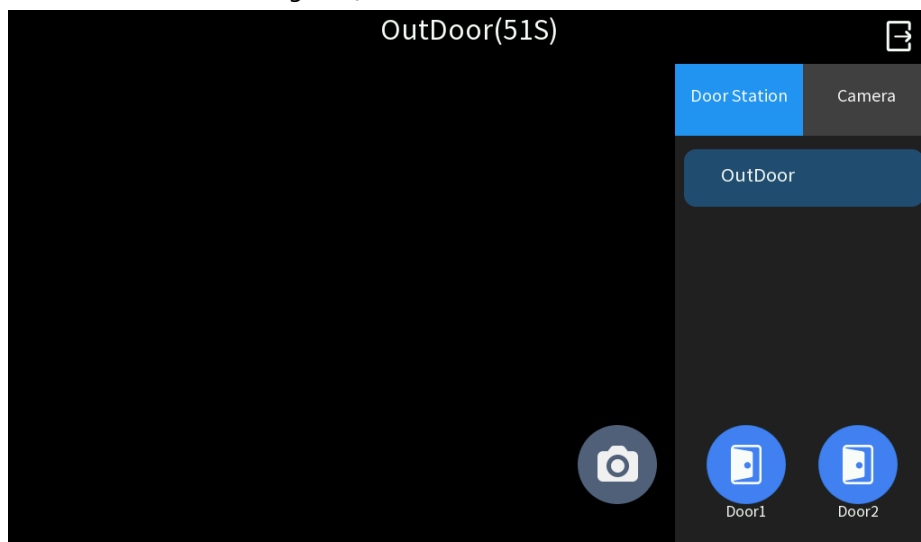
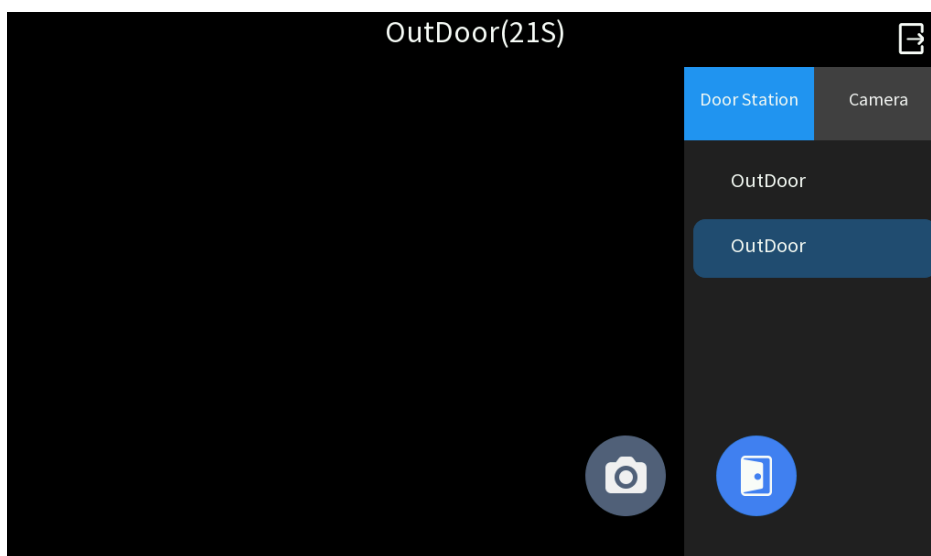






Figure 4-3 Intelligent Recognition Terminal Live View



- : Tap to take a snapshot for the current image. Go to **Home Screen > Message > Snapshot** to view the snapshot records.
-  door1/door2: Tap to open the door remotely.


- : Tap to record live video. It is only available to the device with a SD card. Otherwise, the icon is grayed out.
- : Tap to return to the home screen.

4.2 Visitor Message



NOTE!

This function is only available to the version GVIC-B1101.3.1.231229 or later of the door station OEU-201S/201B.

The visitor message is disabled by default. To use it, go to  > **General Settings** > **Visitor Message Settings**, enable **Visitor Message**, and set the message duration.

When enabled, if the indoor station does not answer the call from the door station after the set call duration, the visitor message screen will automatically appear on the door station and the visitor can leave a message.

Figure 4-4 Visitor Message Settings

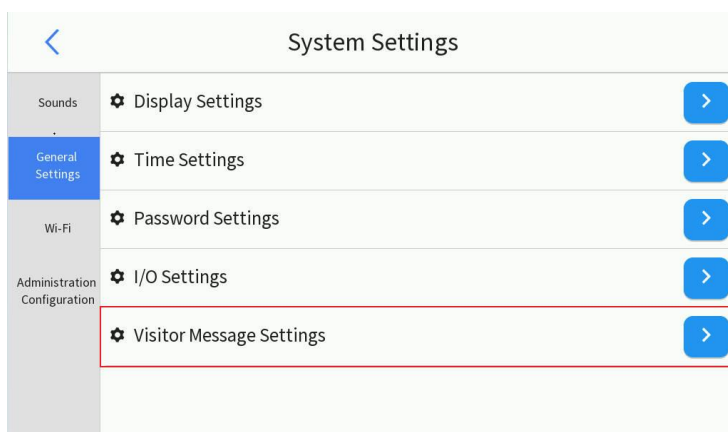
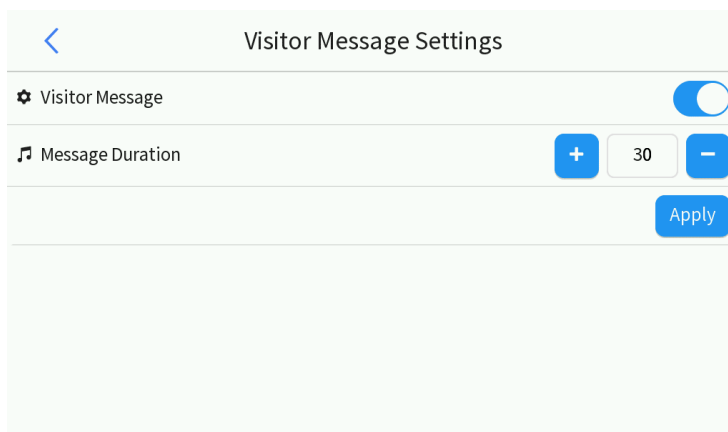
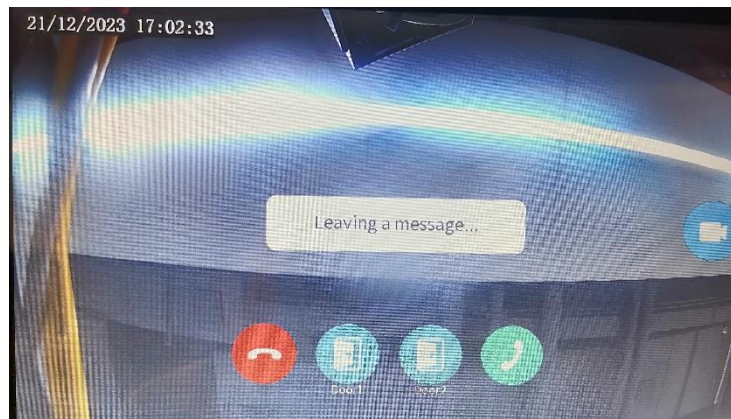


Figure 4-5 Visitor Message Settings



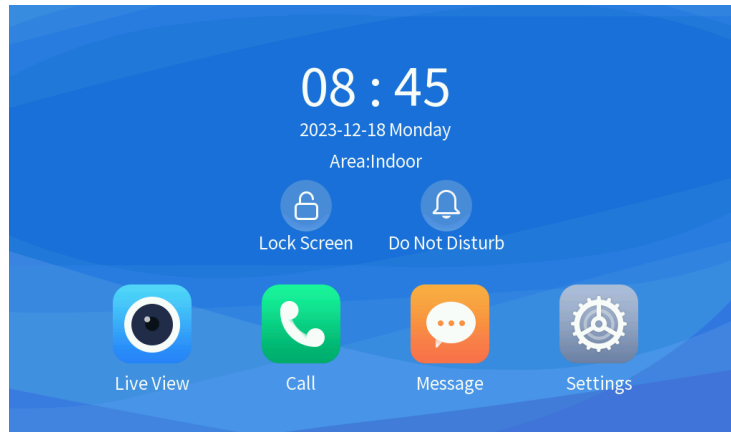
The visitor message is disabled by default. You can enable **Visitor Message** and set the message duration (range: 30-60s, default: 30s).


Figure 4-6 Visitor Message



If the call is not answered after the set duration, the door station shows a prompt **Leaving a message...**, and the visitor can leave a message on the door station. At the same time, the indoor station screen plays an audio, **Please leave a message after the beep**,

Figure 4-7 View Visitor Message



Tap  to enter the **Message** screen.


To view the visitor message, tap  beside **Visitor Message**.

Figure 4-8 View Visitor Message

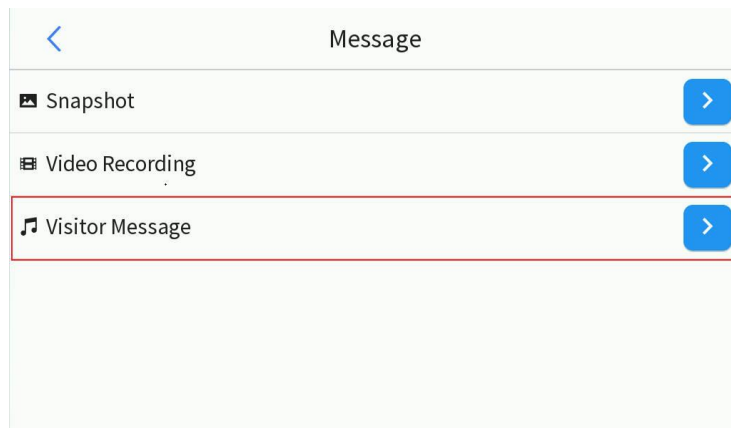
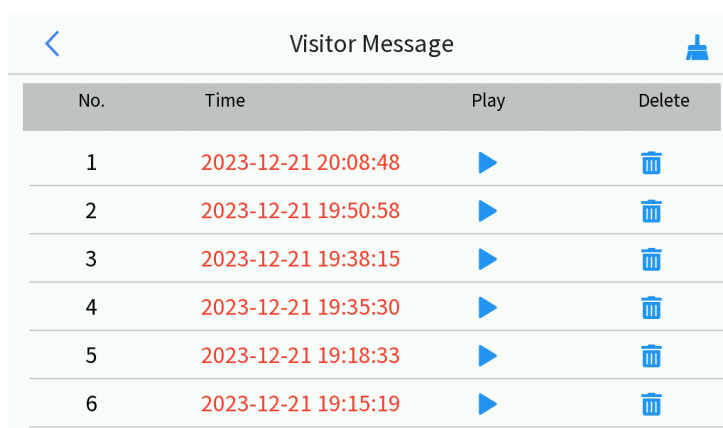


Figure 4-9 View Visitor Message



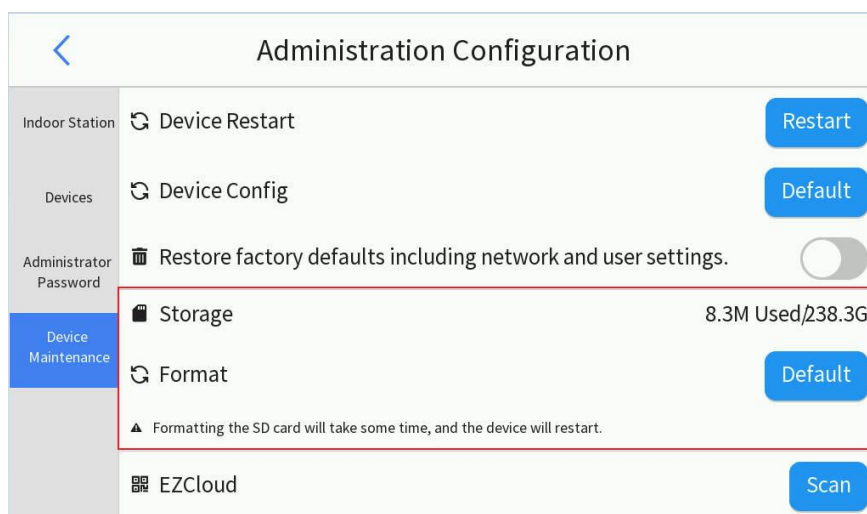
No.	Time	Play	Delete
1	2023-12-21 20:08:48	▶	🗑️
2	2023-12-21 19:50:58	▶	🗑️
3	2023-12-21 19:38:15	▶	🗑️
4	2023-12-21 19:35:30	▶	🗑️
5	2023-12-21 19:18:33	▶	🗑️
6	2023-12-21 19:15:19	▶	🗑️

By default, the messages are displayed in decreasing order of message time.

4.3 Video Recording

You can record the video when the indoor station receives a call or is calling with the door station. This function is only available to the device with a SD card.

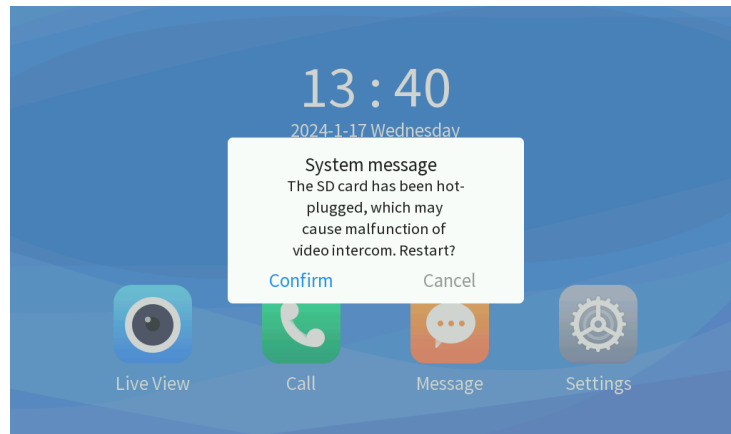
Figure 4-10 Device Maintenance



To install a SD card, please disconnect the indoor station to the power. Only the SD card in FAT32 format is supported. If you install a SD card in other formats, the indoor station will prompt you to format the SD card after a period of the power-on. Do not hot plug the Micro SD card, otherwise the device needs to restart according to on-screen prompts.

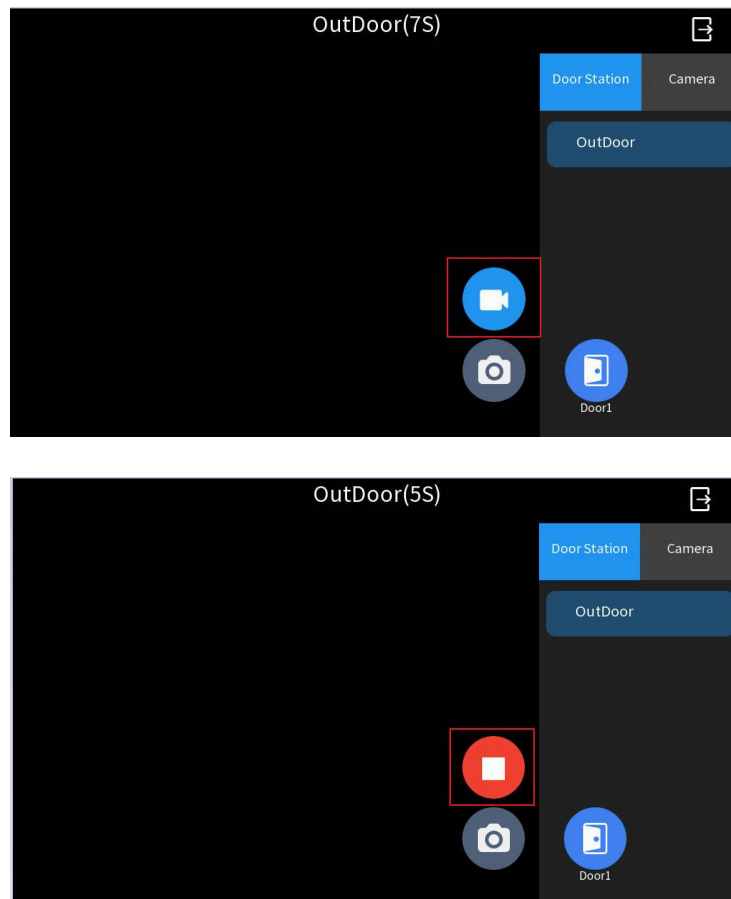
Currently the supported SD card manufacturers include SanDisk, Kingston, Kioxia, Transcend, Samsung, Foresee, and Netac.

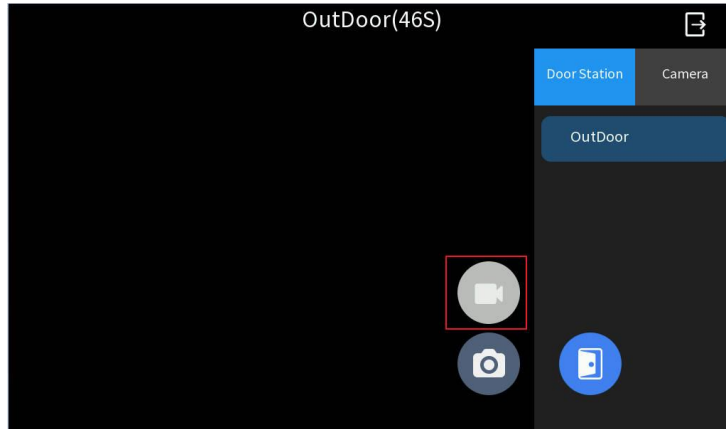
Figure 4-11 Hot-plug SD Card Message



When the SD card is hot-plugged, the video intercom may be unavailable, and a message will appear on the indoor station screen to prompt you to restart the device.

Figure 4-12 Video Recording







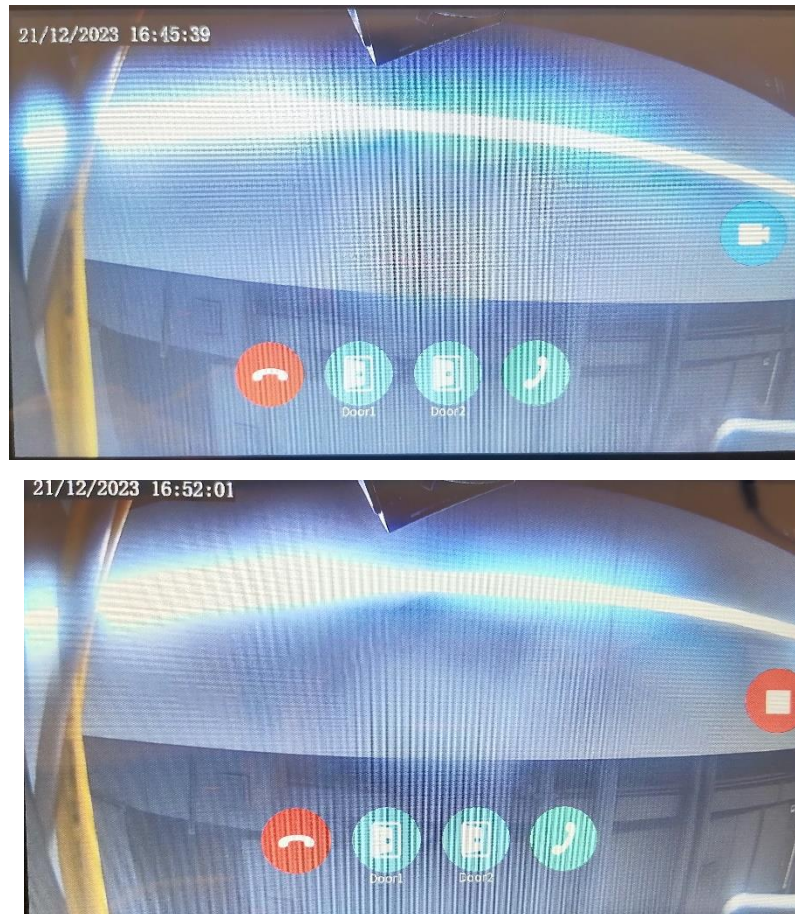
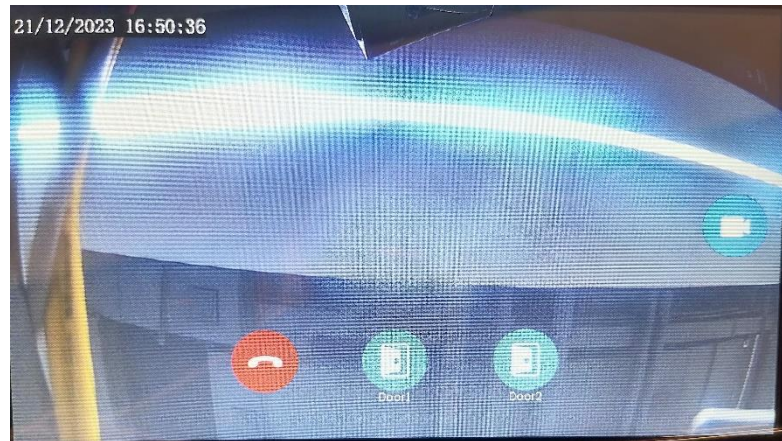
On the live view screen, you can tap  to record the live video, and tap  to stop recording. If the recording time reaches the upper limit, the recording will be ended. The grayed-out icon shows the device has no SD card and the recording function cannot be used.

Figure 4-13 Video Recording







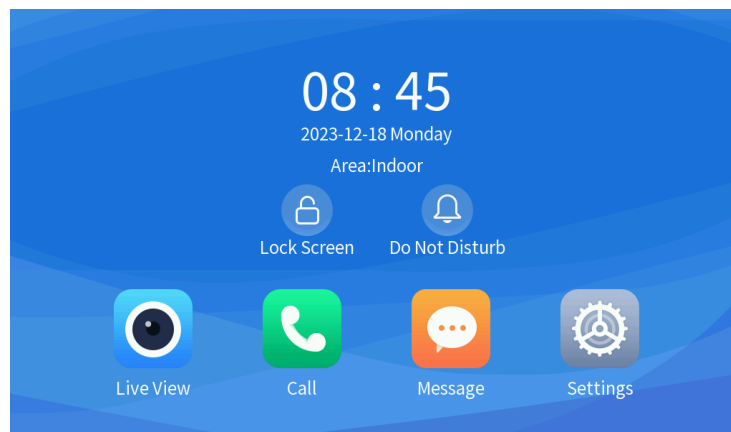

When the indoor station receives a call or is calling with the door station, you can tap  to record the live video, and tap  to stop recording. If the recording time reaches the upper limit, the recording will be ended.

Figure 4-14 Video Recording and Play



Tap  to enter the **Message** screen.

To view the visitor message, tap  beside **Video Recording**.

Figure 4-15 Video Recording and Play

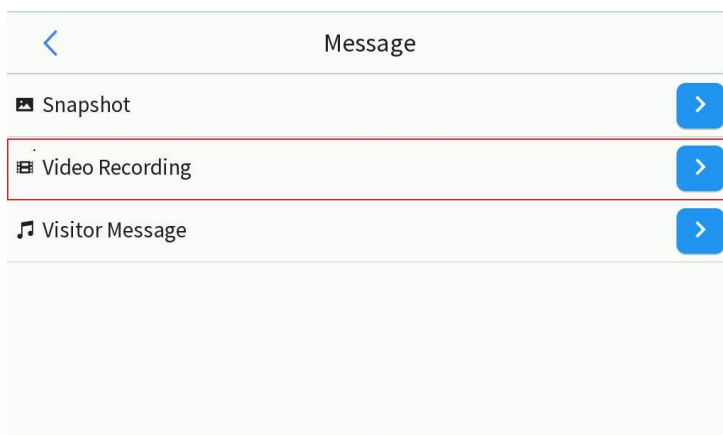


Figure 4-16 Video Recording and Play

The screenshot shows a mobile application interface with a title bar 'Video Recording' and a back arrow. Below the title bar, there is a list of video recordings. The list has four columns: 'No.', 'Time', 'Play', and 'Delete'. Each row represents a recording entry.

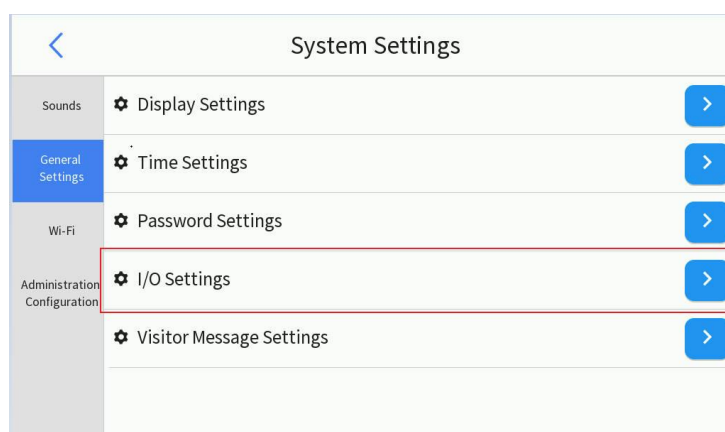
No.	Time	Play	Delete
1	2023-12-21 16:52:06	▶	🗑️
2	2023-12-21 16:51:49	▶	🗑️
3	2023-12-21 03:29:18	▶	🗑️

By default, the videos are displayed in decreasing order of recording time.

4.4 Indoor Station I/O Settings

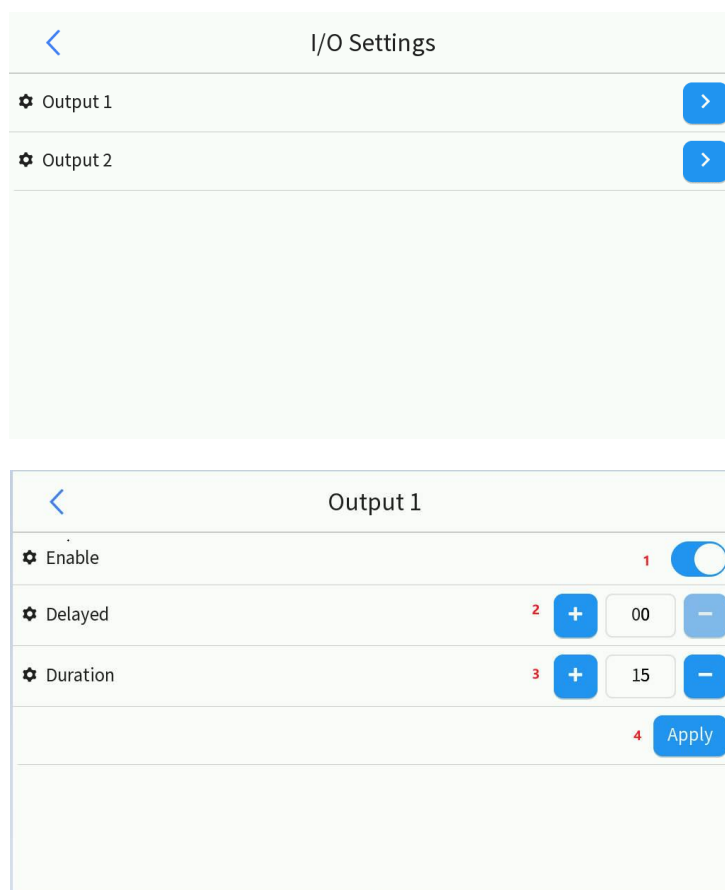
Configure the I/O alarm output as needed, and the indoor station will send output signals to the connected output devices when it receives a call from door station or intelligent recognition terminal. For example, connect an alarm light to the indoor station, and the alarm light sounds when the indoor station receives a call.

Figure 4-17 I/O Settings



You can enable/disable the output 1 and output 2, and then set the delayed alarm time and alarm duration.

Figure 4-18 I/O Settings



- Enable **Output 1**, and then the delayed time and duration can be configured.
- Delayed: The delayed time period after the door station initiates a call. The indoor station will output alarm signals after the delay ends.
- Duration: The length of time that the indoor station keeps outputting alarm signals. When the set time is over, the signal output stops.
- Tap **Apply** to save the settings.

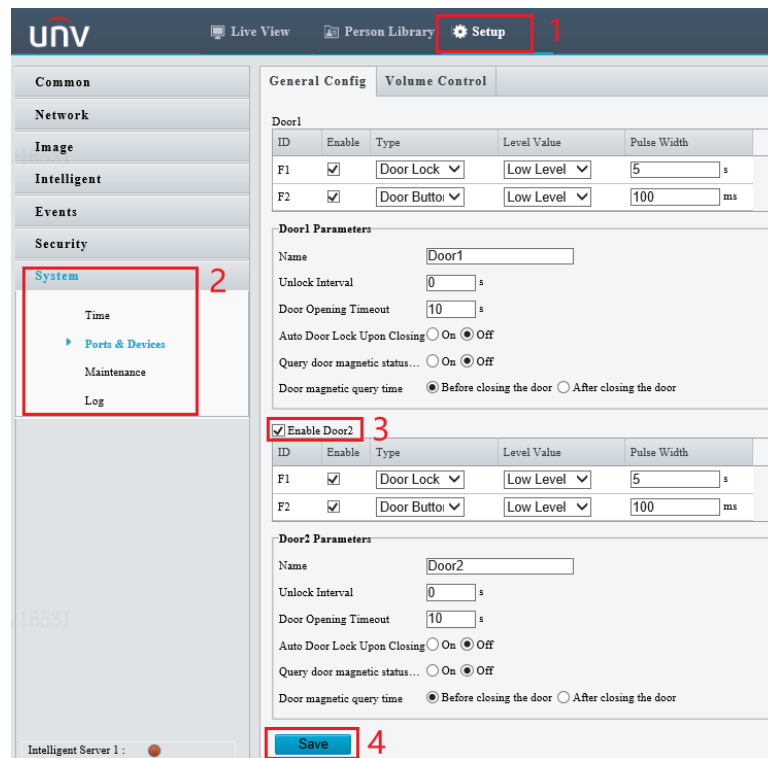
4.5 Configure Multiple Doors for Door Stations

Two methods are available to configure multiple doors for door stations.

Method 1:

Log in to the door station's Web interface. See [2.4.1 Door Station](#) for details.

Figure 4-19 Multiple Doors Configuration



1. Go to **Setup > System > Ports & Devices**.
2. Select **Enable Door2**.
3. Click **Save**.

Method 2:

On the indoor station screen, you can enable the door 2 that connected to the door station.



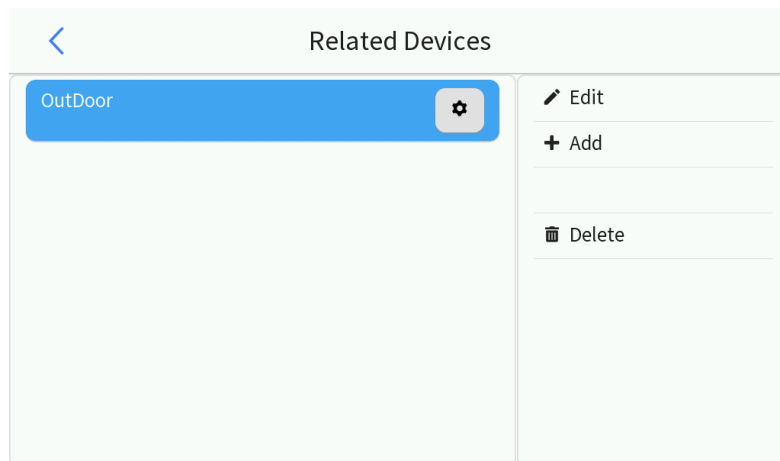
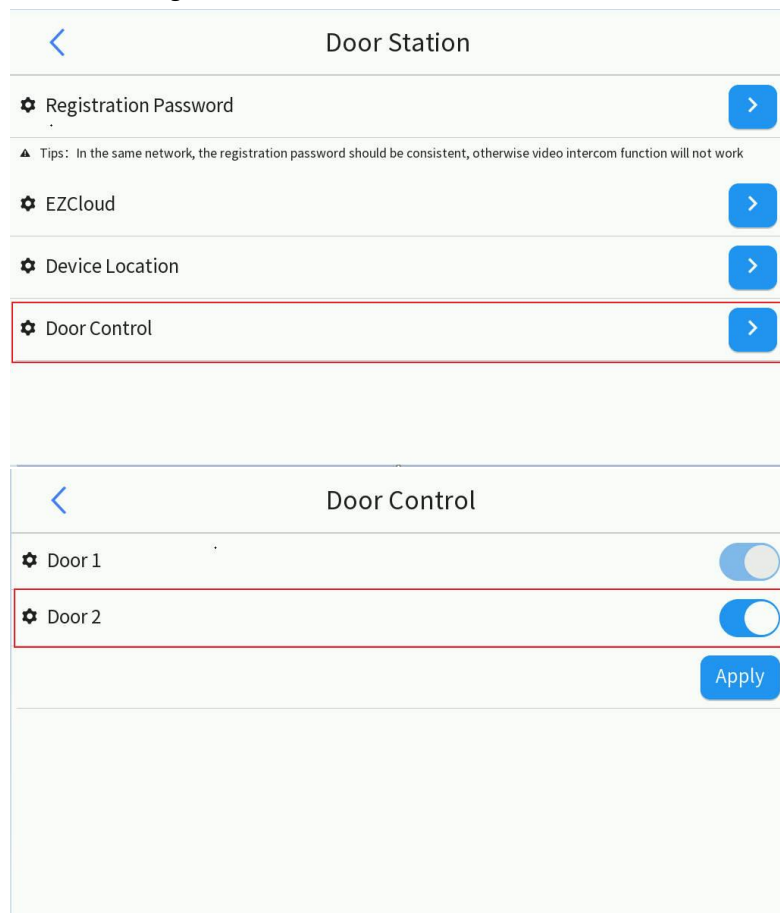
1. Go to  > **Administration Configuration > Devices > Related Devices**.
2. Choose a related device, and tap  to configure it.

Figure 4-20 Related Devices



3. Tap  beside **Door Control**, and enable **Door 2**.

Figure 4-21 Door Station Door Control



NOTE!

The door 1 is enabled by default, and cannot be configured. You can enable/disable the door 2 as needed.


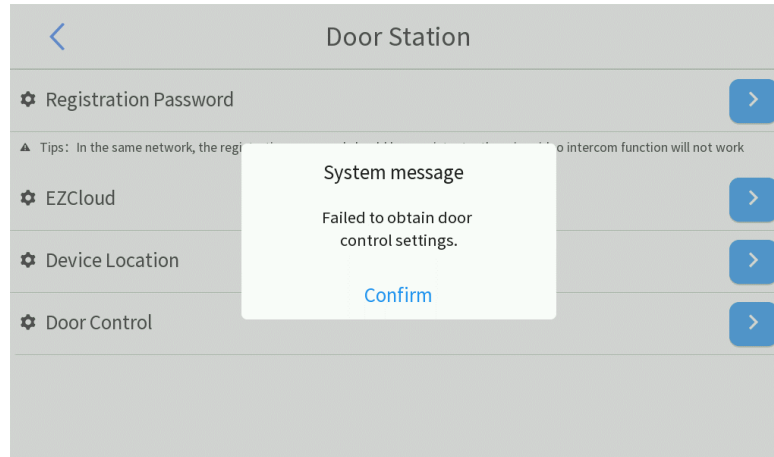
Currently the multiple doors function is unavailable to the intelligent recognition terminal. When tapping  beside **Door Control** for the intelligent recognition terminal, a prompt will appear on the screen, **Failed to obtain door control settings.**

Figure 4-22 Door Station



4. After completing multiple doors, the live view and calling screens of the door station will show two door opening buttons (Door 1 and Door 2).

Figure 4-23 Live View Screen

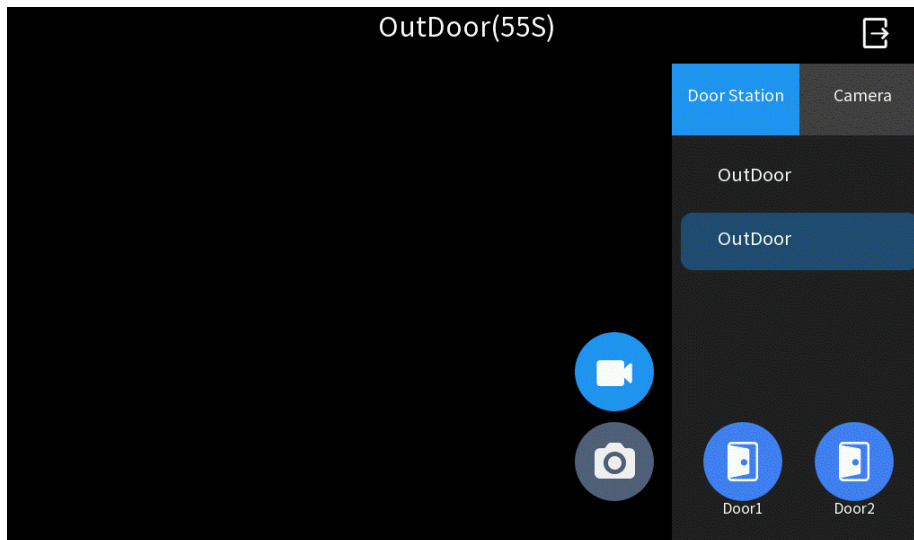


Figure 4-24 Calling Screen



5 Platform Management

5.1 UNV-Guard

Add apartment door stations and indoor stations to the UNV-Guard client, and tap the call button on the device screen to call the client. Currently, this function is unavailable to the villa door station.

You can sync binding relations in batches on the UNV-Guard client to bind multiple devices to the client.

Follow the steps below to bind devices in batches:

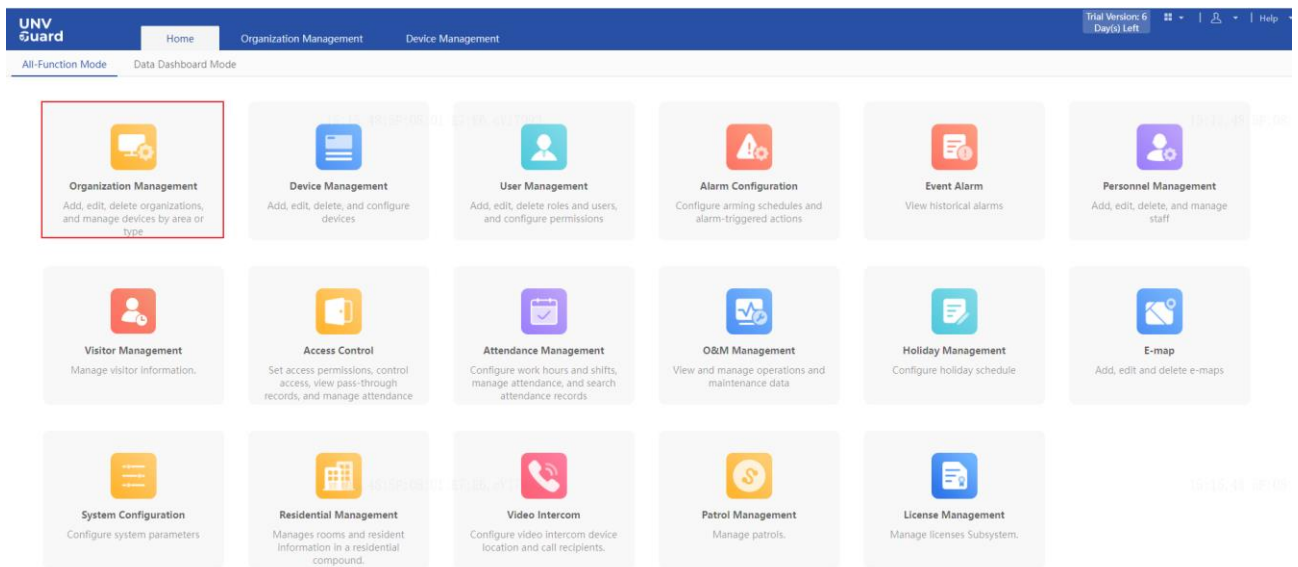
5.1.1 Bind Devices in Batches

1 Add Organization

Create organizations and add devices to various organizations for unified maintenance and management.

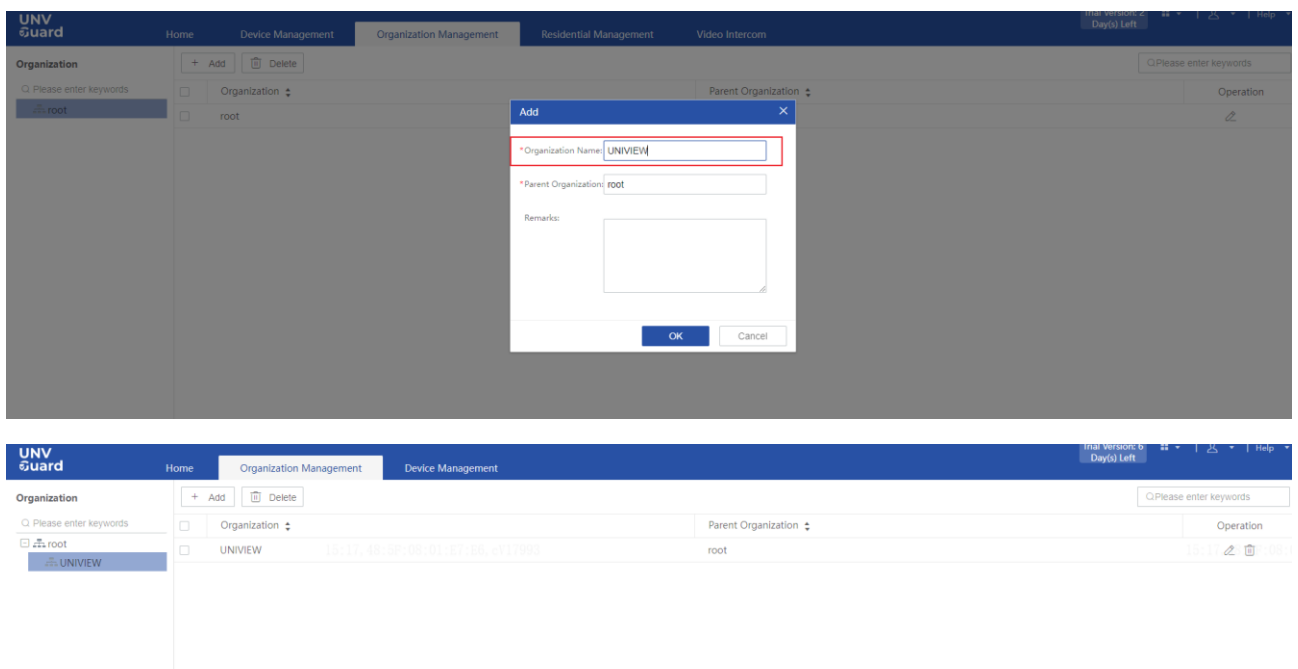
Visit the UNV-Guard website via a Web browser, and click **Organization Management**.

Figure 5-1 Organization Management



There is a default organization **root**. You can add multiple organizations to **root**. For example, add an organization, and add devices to the organization.

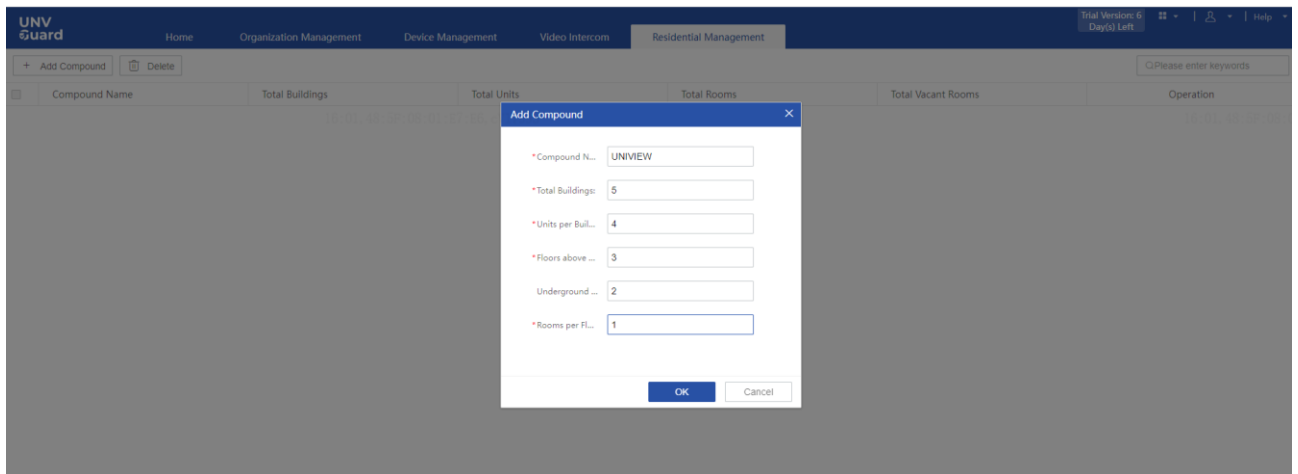
Figure 5-2 Organization Management



2 Residential Management

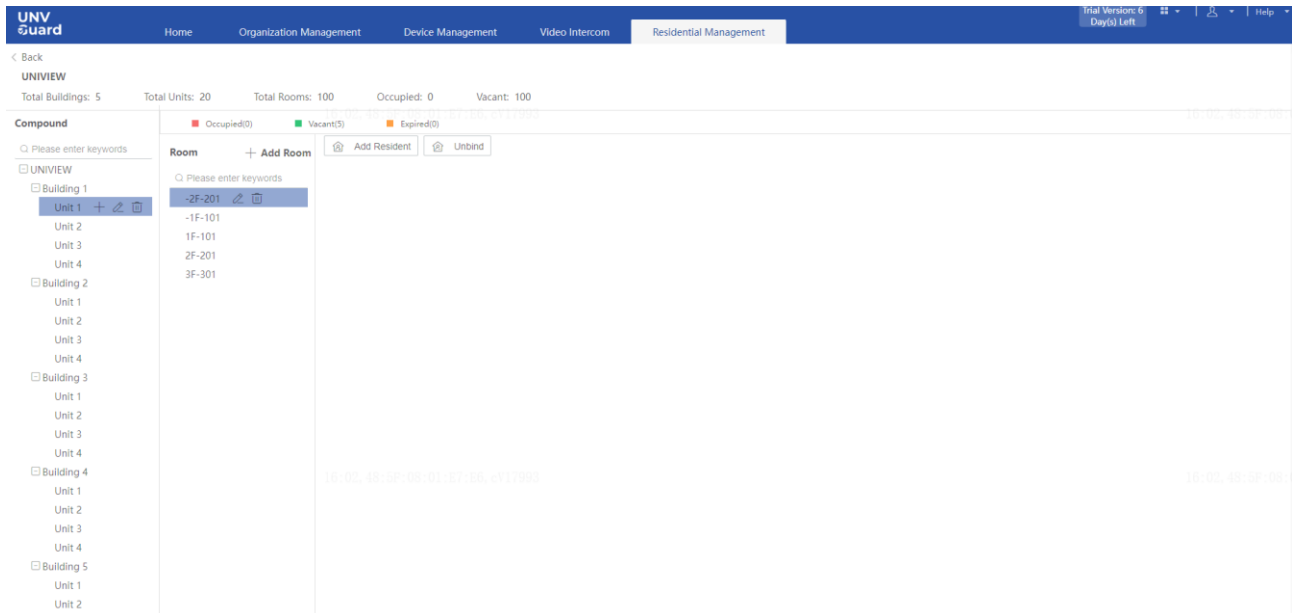
On the **Residential Management** page, click **Add Compound** to add a community. If a community has 5 buildings, four units per building, 3 floors above ground, 2 underground floors, and one room per floor, you can enter the community information as shown in the figure below.

Figure 5-3 Residential Management



Click **OK** to add the community.

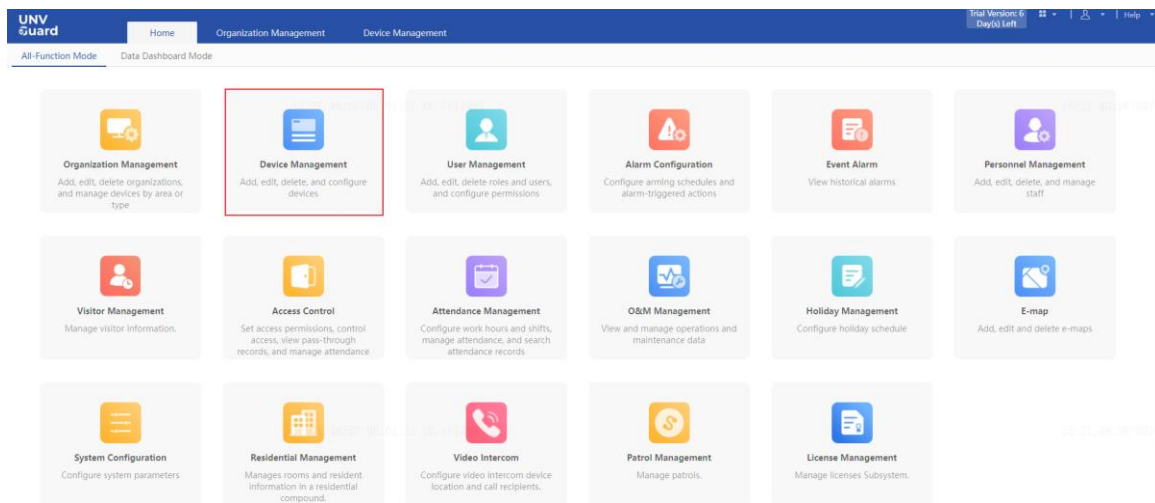
Figure 5-4 Residential Management



3 Device Management

Click **Device Management**, and add villa door stations, apartment door stations, and indoor stations.

Figure 5-5 Device Management

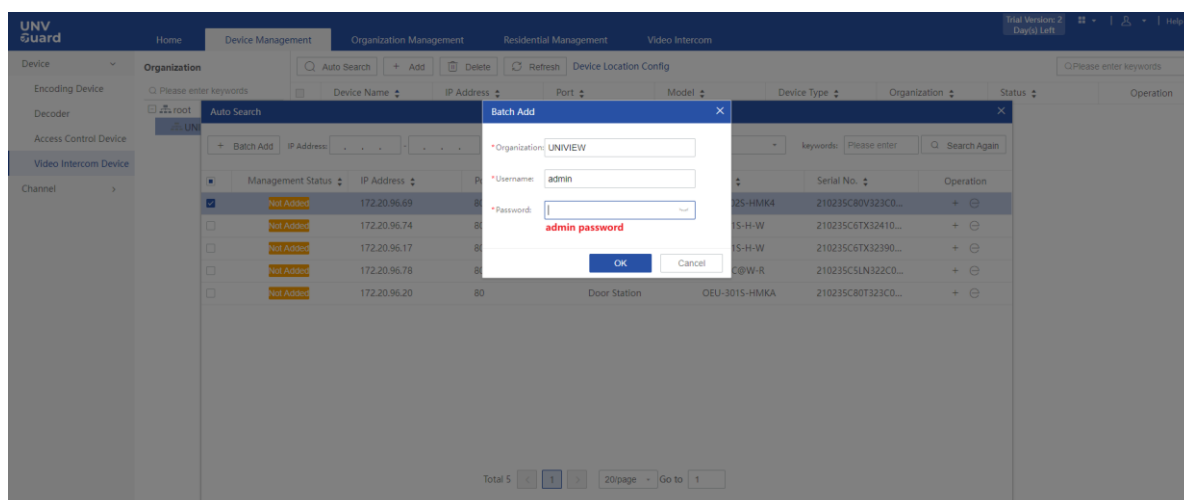
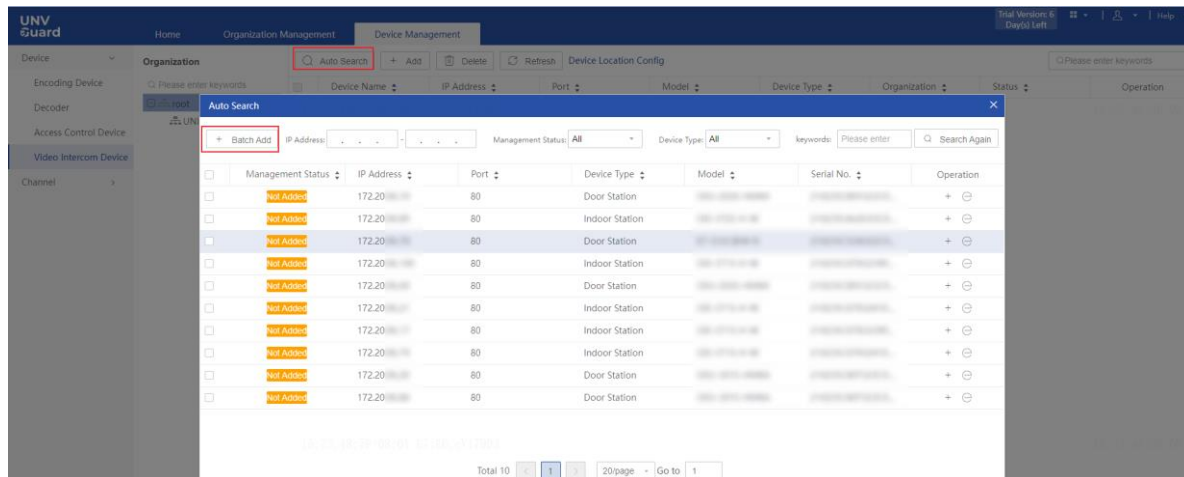


Go to **Device Management > Device > Video Intercom Device**, and add villa door stations, apartment door stations, and indoor stations.

You can add devices by auto search or manually.

Auto search: Devices in the same network segment can be searched by default. You can set the search conditions, and select discovered devices, click **Batch Add**, and then enter the admin password of devices.

Figure 5-6 Auto Search

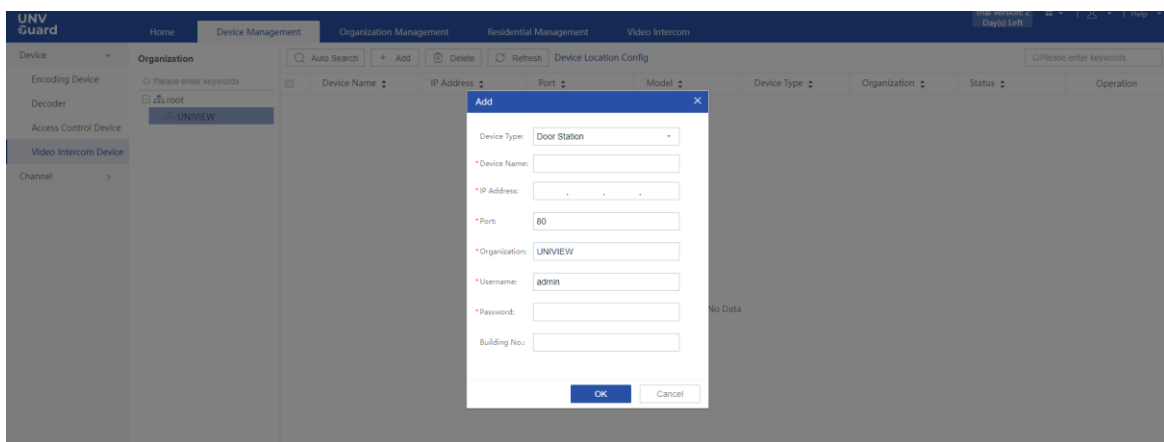


Add manually:

Click **Add**, enter the device information as required, and click **OK** to add a device.

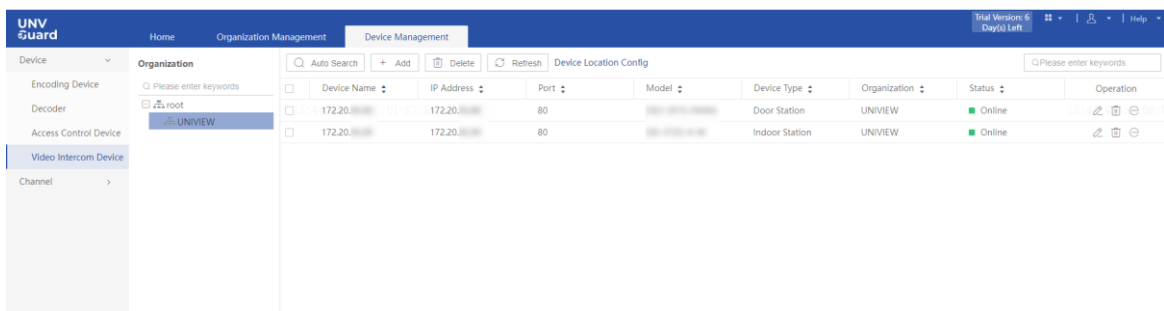
- Device Name: The device name.
- IP Address: The device IP address.
- Port: Port number. Default: 80.
- Organization: The organization to which the device is add.
- Username: admin.
- Password: The password of admin user.
- Building No.: Optional. You can also configure it [Video Intercom Device Configuration](#) later.

Figure 5-7 Add Manually



The list below shows the added devices, and the device status is online.

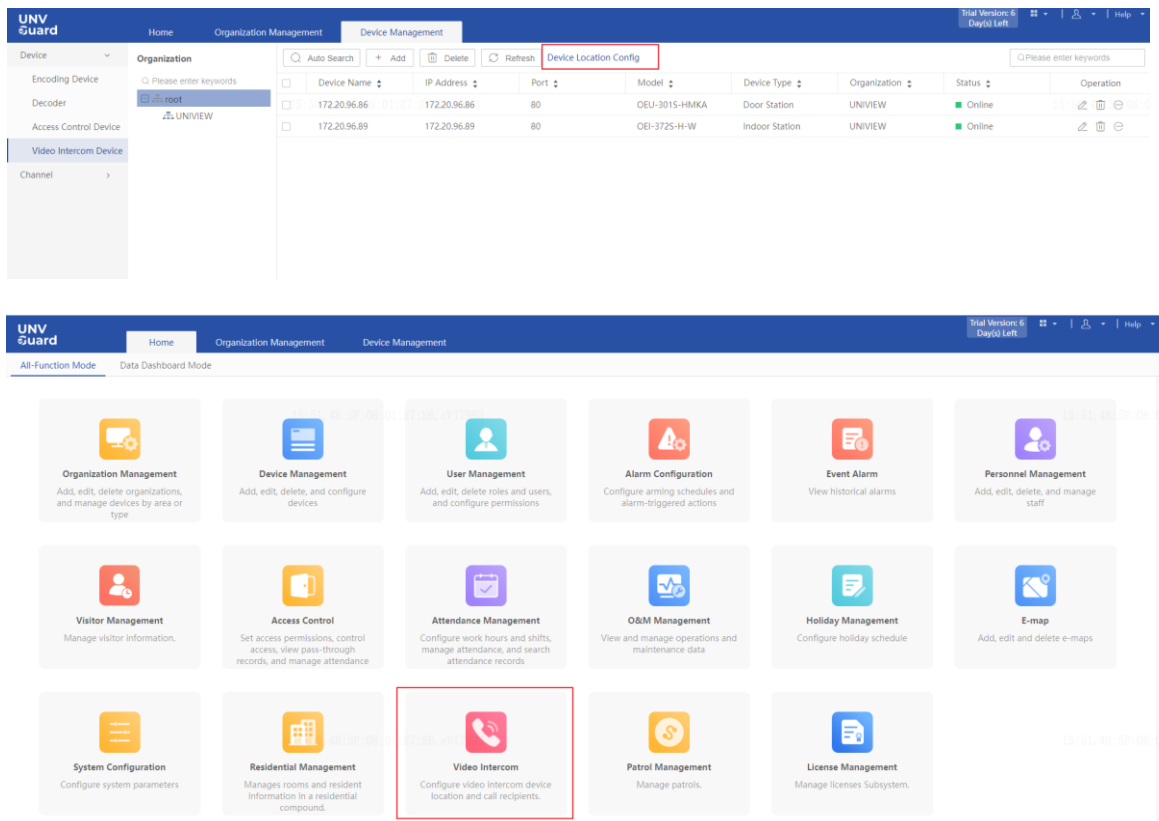
Figure 5-8 Device Management



4 Video Intercom Device Configuration

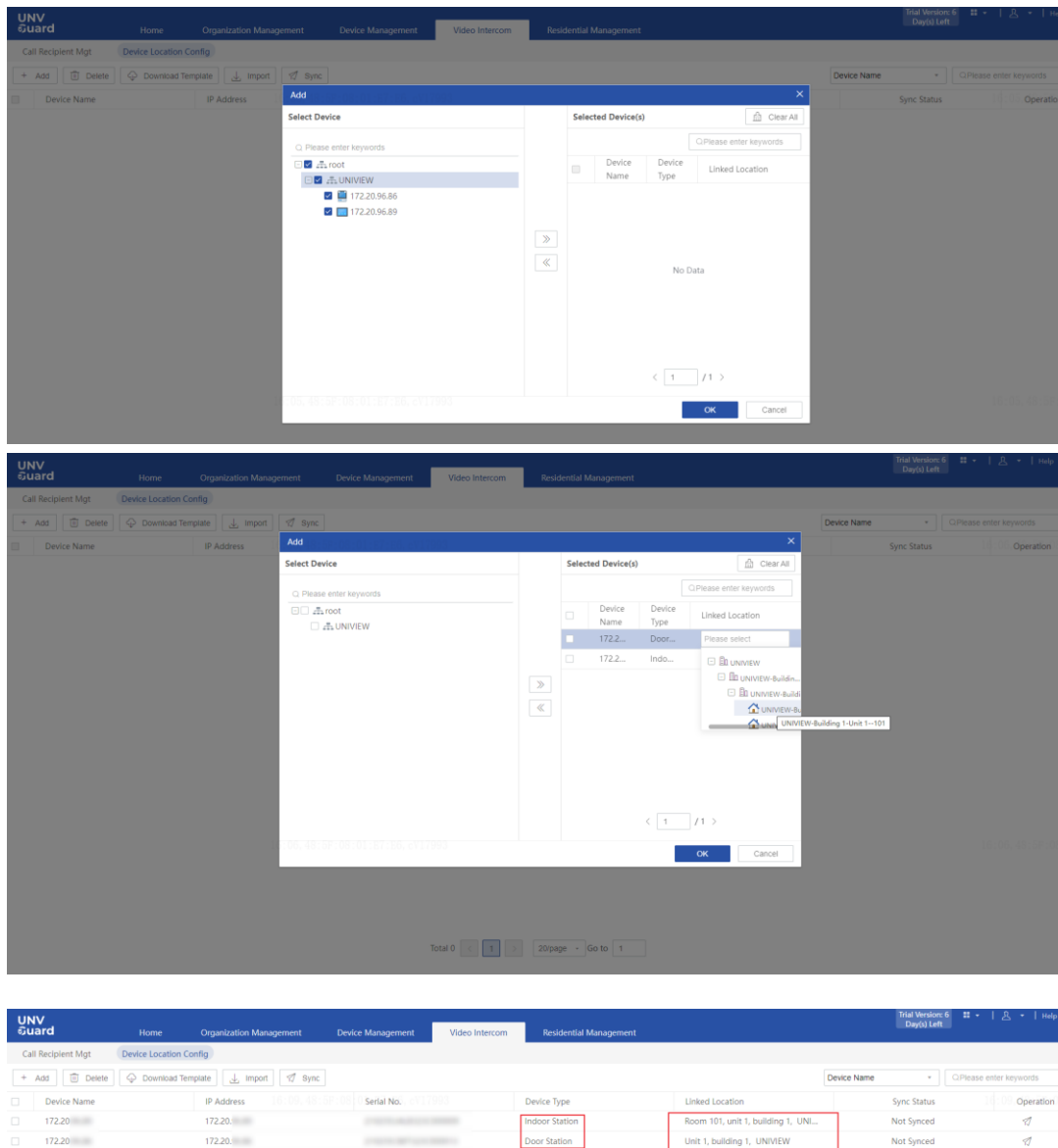
After devices to the **Video Intercom Device** interface, click **Device Location Config**; or return to the home interface, click the **Video Intercom** menu, and then enter the **Device Location Config** page.

Figure 5-9 Device Location Config



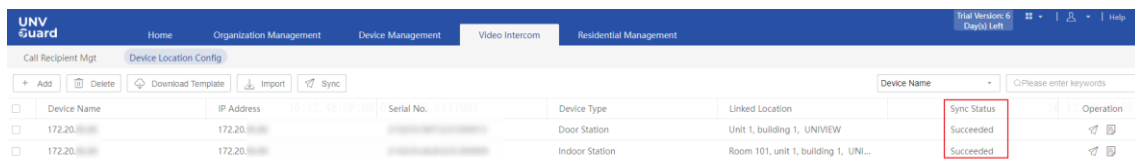
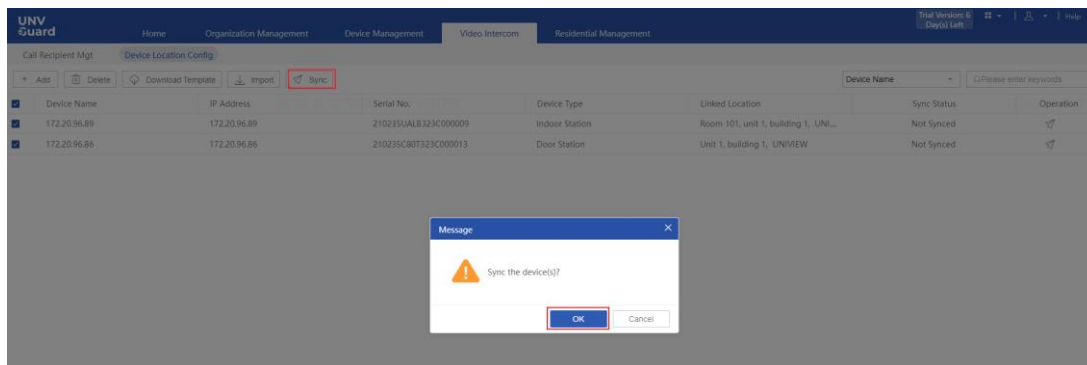
On the **Device Location Config** interface, click **Add**, and select a location for the device (building, unit, floor, and room). Note: The door station can be added to a unit only, and the indoor station can be added to a room.

Figure 5-10 Device Location Config



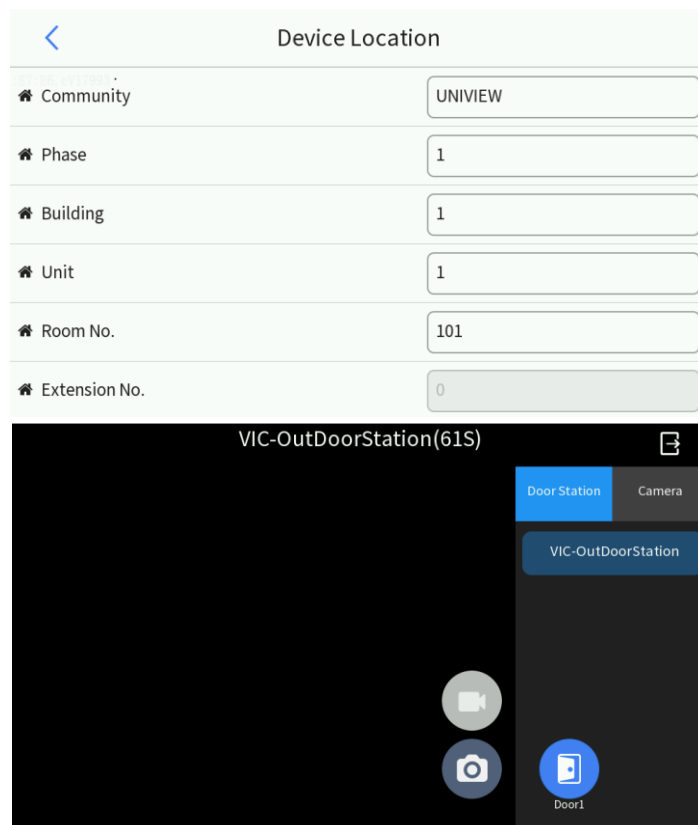
After the device location configuration is complete, click **Sync** to relate these devices. If the synchronization is successful, the sync status shows **Succeeded**.

Figure 5-11 Device Location Config



Then, the indoor station screen shows the location after configuration. The indoor station can control the door station to open the door, and the door station can call the indoor station.

Figure 5-12 Device Location Config



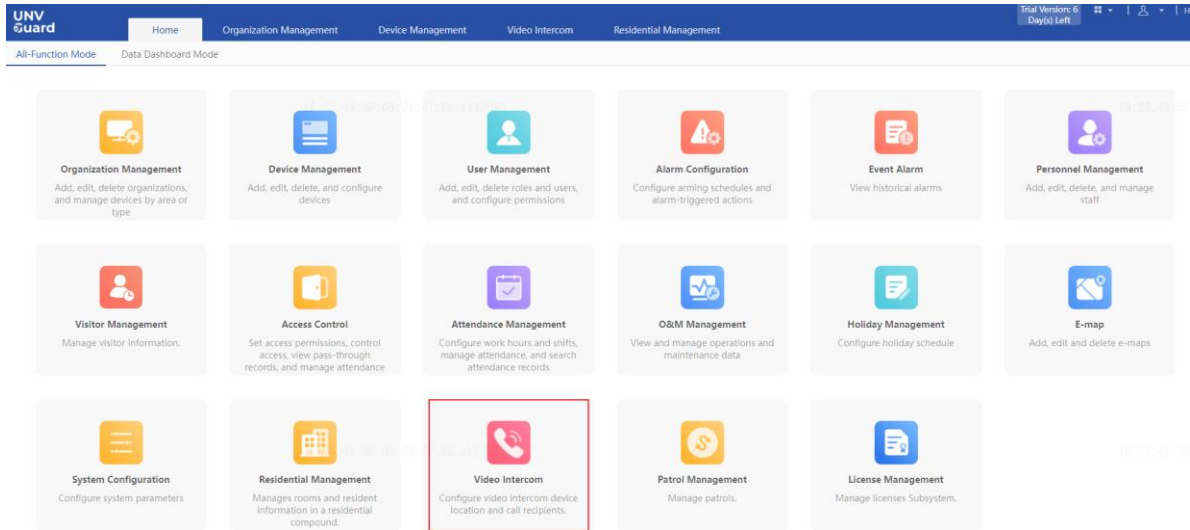
5.1.2 Call UNV-Guard Client

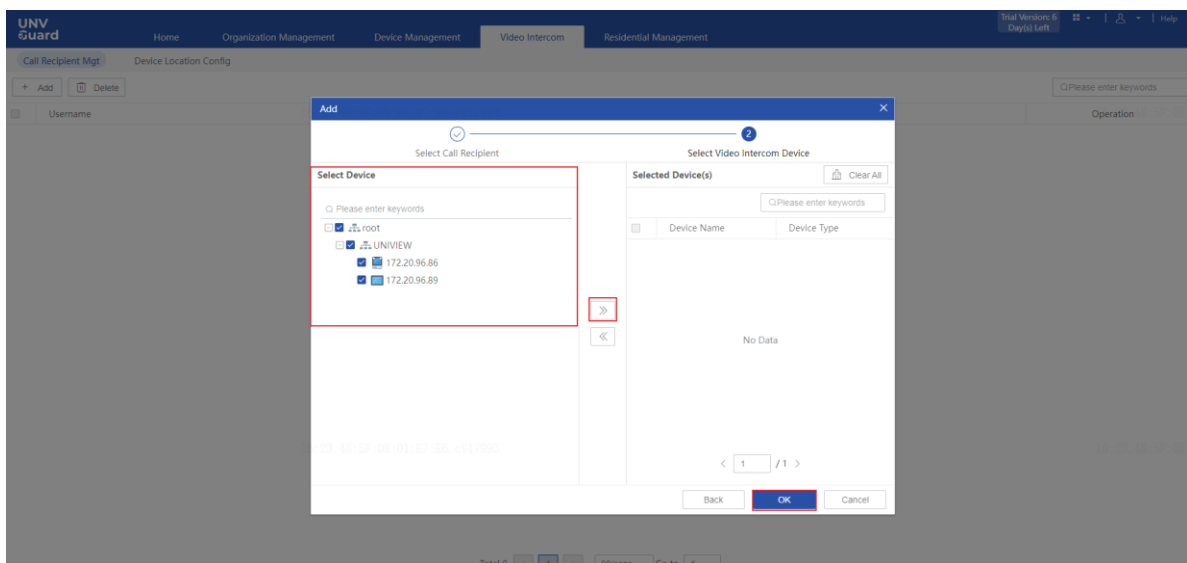
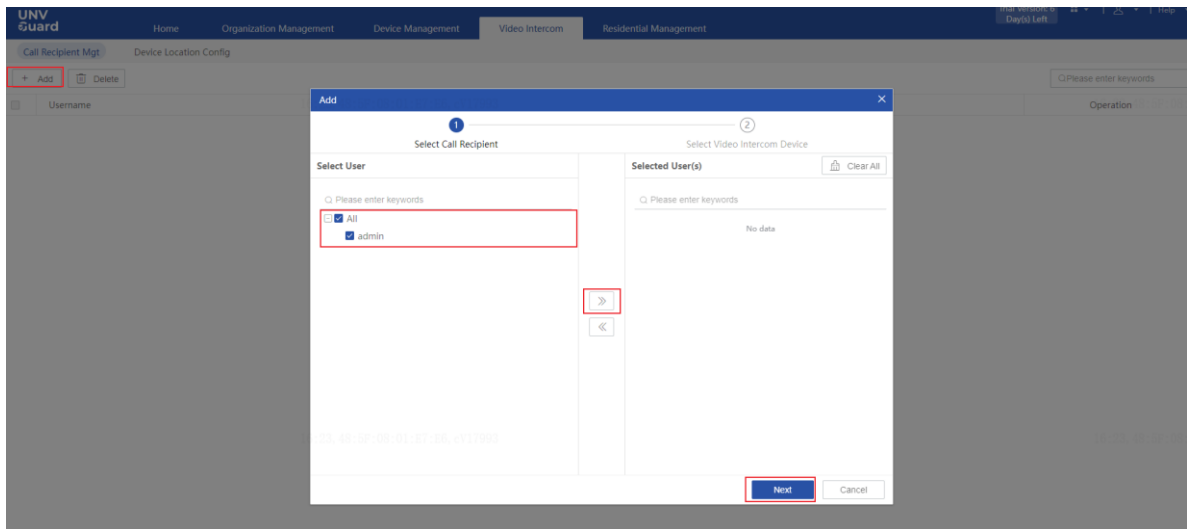
Currently, only the apartment door stations and indoor stations support calling the UNV-Guard client, and a microphone should be connected to the PC to answer the call.

This function is unavailable to single-button and multi-button door stations.

Go to **Home > All-Function Mode > Video Intercom > Call Recipient Mgt.** Click **Add**, select the user(s) and add to the call recipient list, and click **Next**. Select the device(s), and add to the video intercom device list, and then click **OK** to save the settings.

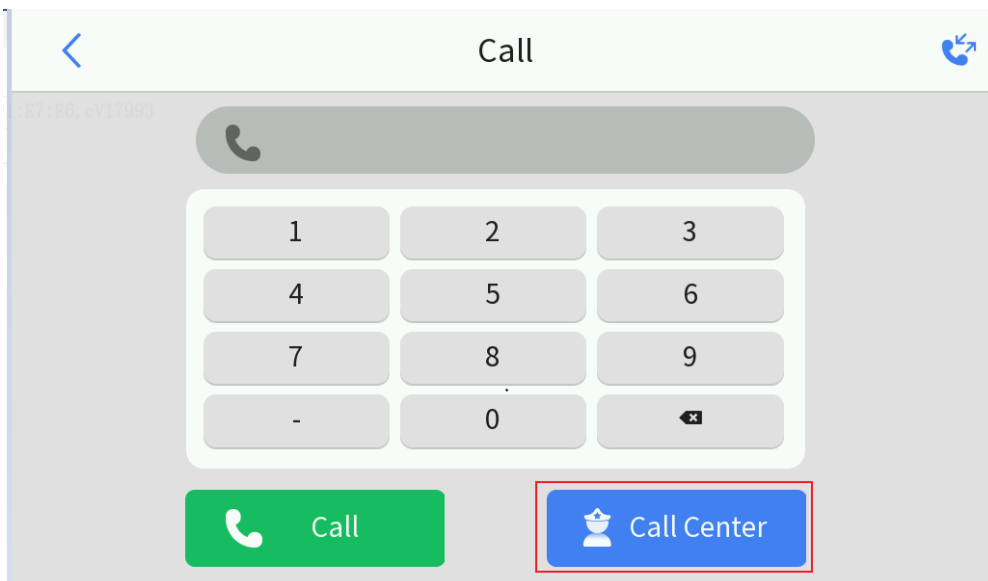
Figure 5-13 Call Recipient Mgt

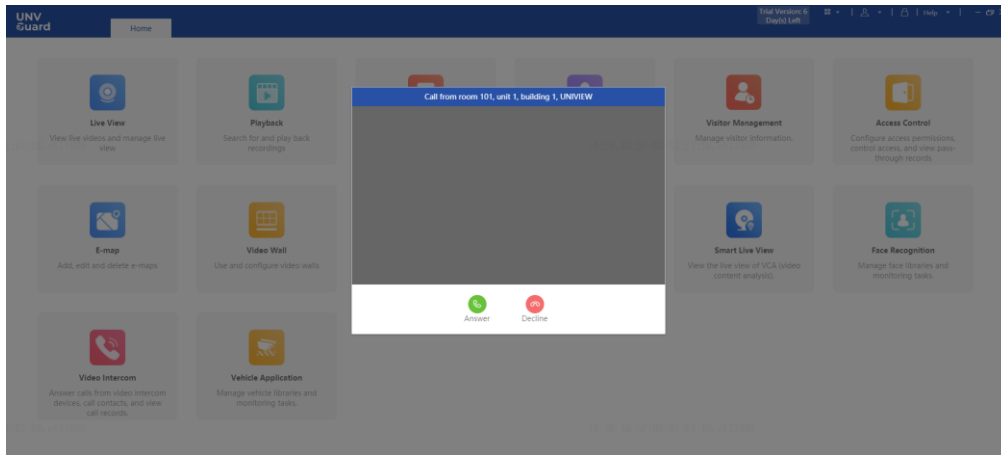




On the indoor station screen, tap the **Call** icon, and tap **Call Center** to call the UNV-Guard client.

Figure 5-14 Call Center






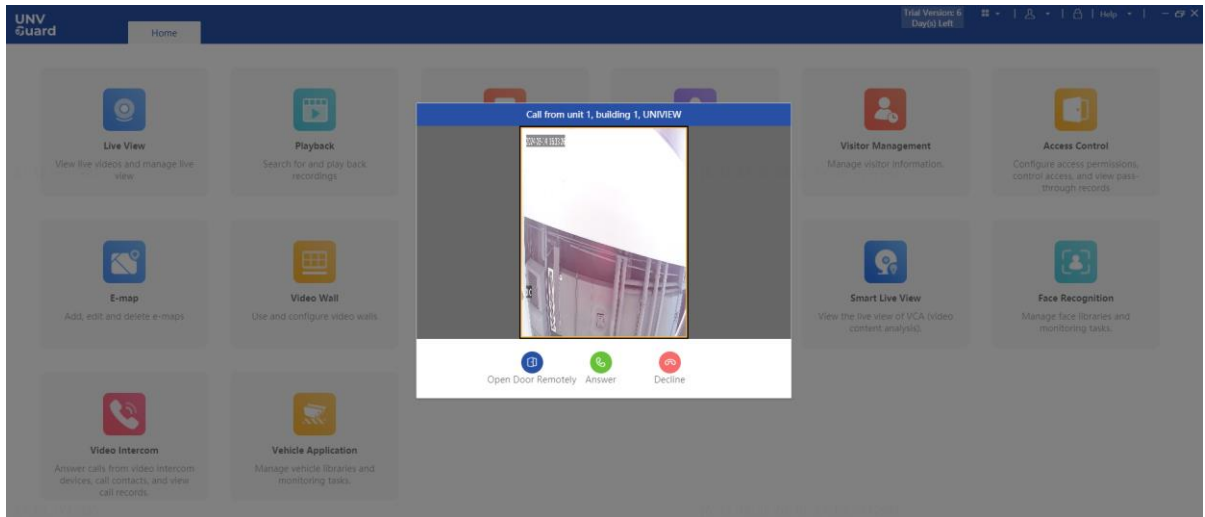
On the apartment door station screen, tap  to call the UNV-Guard client, then you can view the live video and open the door remotely on the client.

Figure 5-15 Call Recipient





The **Event Alarm** interface shows the missing calls of devices.

Figure 5-16 Call Recipient Mgt

The screenshot displays the 'Event Alarm' section of the UNV Guard interface. At the top, there is a navigation bar with tabs for Home, Organization Management, Device Management, Video Intercom, Residential Management, and Event Alarm. Below the navigation bar is a grid of management tiles. The 'Event Alarm' tile is highlighted with a red border. Below the grid, there is a search and filter section for alarm records. At the bottom, a table lists alarm records with columns for Alarm Time, Alarm Source, Alarm Type, Alarm Level, Alarm Status, Acknowledged By, Acknowledged At, Remarks, and Operation. Two records are shown, both with 'Not Acknowledged' status, highlighted with a red border.

Alarm Time	Alarm Source	Alarm Type	Alarm Level	Alarm Status	Acknowledged By	Acknowledged At	Remarks	Operation
2024/03/14 15:44:26	172.20.96.89	Device Online Alarm	Level 3	Not Acknowledged				
2024/03/14 15:44:26	172.20.96.86	Device Online Alarm	Level 3	Not Acknowledged				