



# **Intelligent Building Video Intercom System Embedded System Touchscreen Indoor Monitor User Manual**



## CONTENTS

|                                                                |          |
|----------------------------------------------------------------|----------|
| <b>1. INDOOR MONITOR OVERVIEW .....</b>                        | <b>2</b> |
| <b>2. VIDEO INTERCOM .....</b>                                 | <b>2</b> |
| <b>2.1. ROOM-TO-ROOM CALLING .....</b>                         | <b>2</b> |
| <b>2.2. CALL MANAGEMENT CENTER OR SECURITY EXTENSION .....</b> | <b>2</b> |
| <b>2.3. VISITOR CALL .....</b>                                 | <b>2</b> |
| <b>2.4. ONE-BUTTON ELEVATOR CALL .....</b>                     | <b>3</b> |
| <b>3. MONITORING .....</b>                                     | <b>3</b> |
| <b>3.1. MONITOR OUTDOOR STATION .....</b>                      | <b>3</b> |
| <b>3.2. MONITOR VILLA OUTDOOR UNIT .....</b>                   | <b>3</b> |
| <b>3.3. MONITOR NETWORK IP CAMERA .....</b>                    | <b>3</b> |
| <b>4. RECORD CENTER .....</b>                                  | <b>4</b> |
| <b>4.1. SECURITY RECORDS .....</b>                             | <b>4</b> |
| <b>4.2. ALARM RECORDS .....</b>                                | <b>4</b> |
| <b>4.3. COMMUNITY INFORMATION .....</b>                        | <b>4</b> |
| <b>4.4. CALL RECORDS .....</b>                                 | <b>4</b> |
| <b>4.5. PHOTO RECORDS .....</b>                                | <b>4</b> |
| <b>4.6. IMAGE AND MESSAGE RECORDS .....</b>                    | <b>4</b> |
| <b>5. HOME SECURITY .....</b>                                  | <b>5</b> |
| <b>6. USER SETTINGS .....</b>                                  | <b>5</b> |
| <b>6.1. RINGTONE SETTINGS .....</b>                            | <b>5</b> |

|                                                  |           |
|--------------------------------------------------|-----------|
| <b>6.2. SYSTEM INFORMATION .....</b>             | <b>5</b>  |
| <b>6.3. DATE AND TIME SETTINGS .....</b>         | <b>5</b>  |
| <b>6.4. PASSWORD SETTINGS .....</b>              | <b>5</b>  |
| <b>6.5. DELAY SETTINGS .....</b>                 | <b>6</b>  |
| <b>6.6. VOLUME SETTINGS .....</b>                | <b>6</b>  |
| <b>6.7. SCREEN CLEANING .....</b>                | <b>6</b>  |
| <b>6.8. BRIGHTNESS SETTINGS .....</b>            | <b>6</b>  |
| <b>6.9. WALLPAPER SETTINGS .....</b>             | <b>6</b>  |
| <b>6.10. LANGUAGE SETTINGS .....</b>             | <b>6</b>  |
| <b>6.11. SCREENSAVER SETTINGS .....</b>          | <b>6</b>  |
| <b>7. SYSTEM SETTINGS .....</b>                  | <b>7</b>  |
| <b>7.1. SECURITY SETTINGS .....</b>              | <b>7</b>  |
| <b>7.2. ROOM NUMBER SETTINGS .....</b>           | <b>7</b>  |
| <b>7.3. SMALL OUTDOOR STATION SETTINGS .....</b> | <b>8</b>  |
| <b>7.4. ENGINEERING PASSWORD SETTINGS .....</b>  | <b>9</b>  |
| <b>7.5. SYSTEM RESET .....</b>                   | <b>9</b>  |
| <b>7.6. NETWORK IP CAMERA .....</b>              | <b>9</b>  |
| <b>7.7. COLOR ADJUSTMENT .....</b>               | <b>10</b> |
| <b>7.8. SOFTWARE UPGRADE .....</b>               | <b>10</b> |
| <b>8. INSTALLATION METHODS .....</b>             | <b>10</b> |
| <b>9. IMPORTANT NOTES .....</b>                  | <b>11</b> |

Welcome to use Trudian building intercom product!

This product is designed using advanced electronic communication technology, manufactured with excellent SMT technology, and has undergone rigorous testing and inspection within a strict quality assurance system. It boasts high integration, reliability, and cost-effectiveness, making it a trusted security intercom product.

 The power supply voltage requirement is 12V DC, and it must not exceed this voltage or have reversed polarity.

The device contains sensitive electronic components, so it should be protected from moisture, water, and high temperatures.

The device includes a liquid crystal display panel, which should not be touched with sharp objects or excessive force.

Product appearance, functions, and interfaces may differ from the actual product. Please refer to the actual product.

# 1. Indoor Monitor Overview

## Button Function Description

|                |                                                                                            |
|----------------|--------------------------------------------------------------------------------------------|
| Call Button    | Press this button to call the management center.                                           |
| Monitor Button | Press this button to monitor the current image of the door unit.                           |
| Talk Button    | When a visitor calls, press this button to answer the call, and press it again to hang up. |
| Unlock Button  | When a visitor calls, press the unlock button to unlock the current door unit.             |
| Info Button    | Press this button to view community information published by the management center.        |

# 2. Video Intercom

## 2.1. Room-to-Room Calling

Click the "Video intercom - Room-to-Room Calling" icon and enter the call room number.

## 2.2. Call Management Center or Security Extension

Click the "Video Intercom - Call Center" button to call the property center for assistance.

## 2.3. Visitor Call

When the outdoor station calls, the indoor monitor will display the incoming call page, allowing you to view the visitor's image.

## **2.4. One-Button Elevator Call**

If the unit has elevator linkage function, you can call the elevator to your floor by clicking the "One-Button Elevator Call" button.

### **Operating Tips:**

Click the "Answer" or "Hang Up" button to answer or terminate the visitor call.

Click the "Unlock" button to open the door lock of the current outdoor station.

Click the "Volume Up/Down" buttons to adjust the current call volume.

## **3. Monitoring**

### **3.1. Monitor Outdoor Station**

Click the "Monitor " button, select the corresponding outdoor station icon from the outdoor station list, and you can start monitoring. The screen displays the current outdoor station camera's image. You can take photos during monitoring.

### **3.2. Monitor Villa Outdoor Unit**

Click the "Monitor " button, select the corresponding villa unit icon from the villa unit list, and you can start monitoring. The screen displays the current villa unit camera's image. You can take photos during monitoring.

### **3.3. Monitor Network IP Camera**

Click the "Monitor " button, select the corresponding camera icon from the IP camera list, and you can start monitoring. The screen displays the image captured by the camera. You can take photos during monitoring.

## **4. Record Center**

### **4.1. Security Records**

Store device arming and disarming records and times.

### **4.2. Alarm Records**

Store device alarm records, including the location, alarm type, and alarm time.

### **4.3. Community Information**

Store community public messages and personal messages published by the management center, including titles, times, and read/unread status.

### **4.4. Call Records**

Store call records between this device and other devices, including missed calls, received calls, and dialed calls.

### **4.5. Photo Records**

Store photos taken during monitoring, including monitoring villa units, unit door units, network cameras, and other devices.

### **4.6. Image and Message Records**

Store visitor image and message records when calls from unit or wall-mounted units time out. These records include the device's location, time, and read/unread status.

#### **Operating Tips:**

Click "Previous" or "Next" to browse the list of records.

Select a record and click "View" to see the details.

Select a record and click "Delete" to remove the selected records.

Click "Back" to return to the previous level of the interface.

## 5. Home Security

### Zone Arming and Disarming

View the types of the eight security zones and their arming and disarming status. You can arm or disarm all zones with one button. Emergency, smoke, and gas types are immediately armed and continuously monitored for triggering.

## 6. User Settings

Click the "User Settings" button on the main interface to access user settings. This module primarily offers parameter configuration options for residents.

### 6.1. Ringtone Settings

Supports the configuration of calling ringtones and called ringtones. You can preview the currently selected ringtones.

### 6.2. System Information

View the local room number, IP address, subnet mask, default gateway, network configuration table version, program version information, and manufacturer's details.

### 6.3. Date and Time Settings

Set the year/month/day and time in 24-hour format.

### 6.4. Password Settings

You can set the user unlock password (user disarming password).

Note: Setting a user unlock password will automatically generate a user duress unlock password, which is the reverse of the user unlock password. However, the user unlock password and user duress password cannot be the same. For example, if the user unlock password is "123456," then the user duress unlock password is "654321," which is valid. If the user unlock password is "123321," the user duress unlock password should not also

be "123321"; otherwise, it is not valid, and the setting will fail.

## **6.5. Delay Settings**

Set arming delay, alarm delay, alarm sound duration, call delay, and screensaver timeout. The options are as follows:

Arming delay options: 30 seconds, 60 seconds, 99 seconds.

Alarm delay options: 0 seconds, 30 seconds, 60 seconds.

Alarm sound duration options: 3 minutes, 5 minutes, 10 minutes.

Call delay options: 30 seconds, 60 seconds, 90 seconds.

Screensaver timeout options: 30 seconds, 60 seconds, 90 seconds.

## **6.6. Volume Settings**

Set ringtone volume, button press volume, and call volume in the range of 0 to 15.

## **6.7. Screen Cleaning**

Click the screen cleaning function, and after confirmation, you have 10 seconds to clean the screen.

## **6.8. Brightness Settings**

Adjust the screen brightness in the range of 1 to 100.

## **6.9. Wallpaper Settings**

You can view the currently selected image and set the selected image as the current wallpaper by clicking "Set as Wallpaper."

## **6.10. Language Settings**

Click "Language Settings" to switch between Chinese and English.

## **6.11. Screensaver Settings**

Supports three types of screensaver modes: black screen, time, and clock. The default screensaver activates after 60 seconds of inactivity, and from

midnight to 6 AM, it defaults to a black screen screensaver.

## 7. System Settings

**[This section is for professional installation and technical personnel only.]**

Click the "System Settings" function icon to access the "System Settings" password input interface. Enter the engineering password (the default factory password is 666666) and can be changed in "System Settings - Engineering Password." Engineering settings must be performed by professional personnel to avoid system settings confusion.

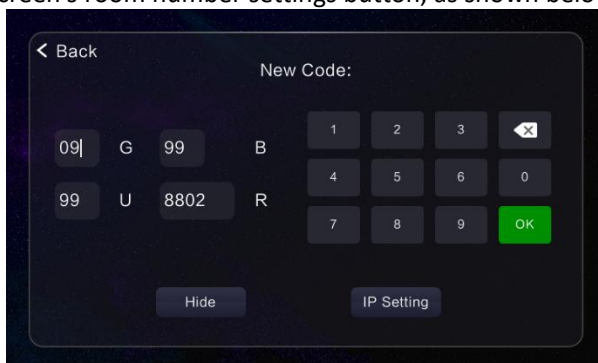
### 7.1. Security Settings

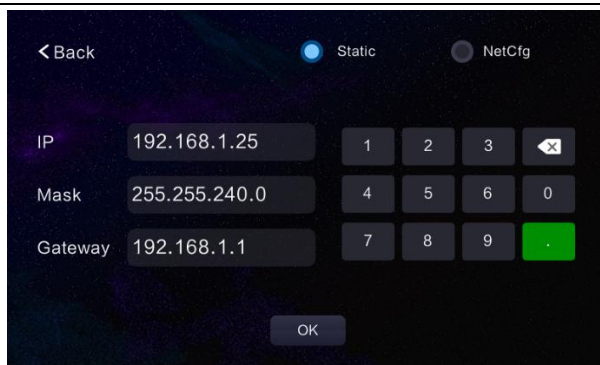
Click the screen security settings button to enter security settings. There are a total of 8 security zones, each with four attributes that can be configured as follows:

- 1)Zone Location: Kitchen, Bedroom, Living Room, Window, Front Door, Balcony, Guest Room.
- 2)Type: Emergency, Smoke, Gas, Door Magnetic, Infrared, Window Magnetic, Glass.
- 3)Enable/Disable: Disabled, Enabled.
- 4)Trigger Level: Normally Open, Normally Closed.。

### 7.2. Room Number Settings

Click the screen's room number settings button, as shown below:



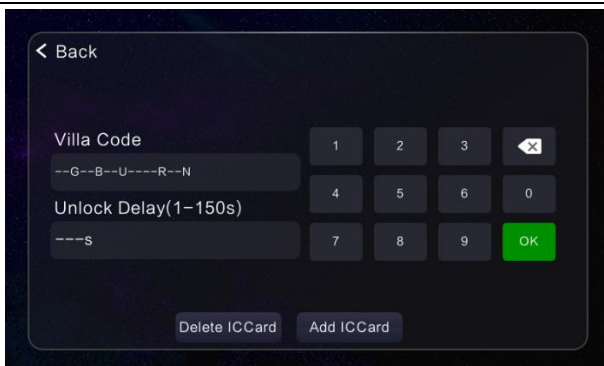


- 1) Set the corresponding room number according to user needs.
- 2) The room number address information is hidden by default. To modify it, click "View Full Code" and select the information you need to change.
- 3) After input, click the confirm button.
- 4) When successfully set, the system will prompt "Setting Successful." If the room number has not been changed, the system will prompt "No extension number changed!"; If the room number is Invalid, the system will prompt "Invalid extension code".
- 5) After successfully setting the room number, click "IP Setting" to enter the IP setting interface. You can manually enter the IP address. Upon successful setup, the device will automatically reboot.

### 7.3. Small outdoor station Settings

Since the villa door unit does not have a display screen, related settings are completed through the indoor monitor.

Click the screen's small outdoor station settings button to enter small outdoor station settings, as shown below:



- 1) Enter the villa extension number, unlock delay time, serial number, and click the "Confirm" button on the keypad to set the relevant information for the door unit.
- 2) Click the "Issue Card" button to swipe the card at the villa outdoor unit. You can swipe continuously and then click the "Call" button to stop issuing cards.
- 3) Click the "Delete Card" button to delete all cards on the villa door unit.

## 7.4. Engineering Password Settings

The original password is the one used to access the system settings, and the default factory password is 666666. The new password consists of 6 digits.

## 7.5. System Reset

After performing a factory reset, all information is restored to the factory defaults, and room numbers need to be set again.

## 7.6. Network IP Camera

### Add Network Camera

Click the "Add" button, follow the system prompts to enter the device name, device IP address, device login username, and password information to complete the device addition.

### Delete Network Camera

Select the camera to be deleted, and click the "Delete" button.

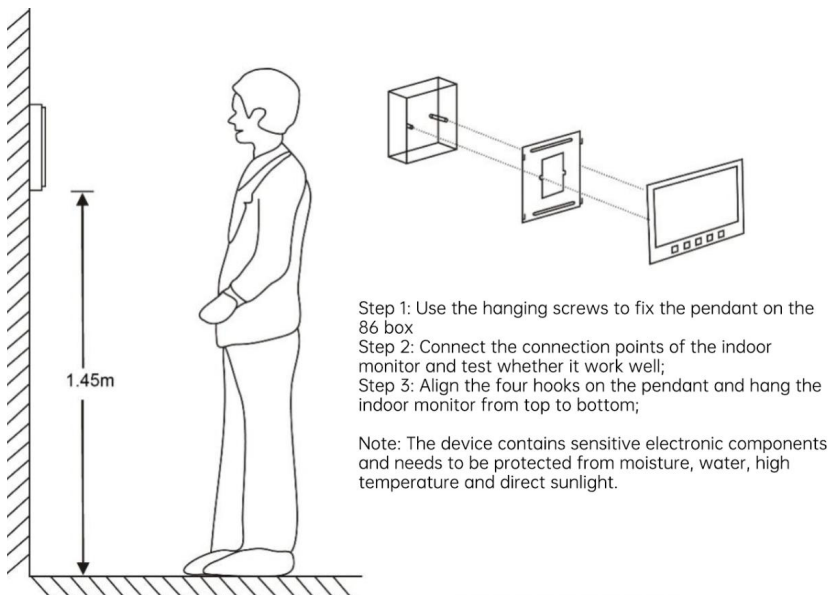
## 7.7. Color Adjustment

You can adjust parameters for screen contrast, screen saturation, video color, video brightness, video contrast, and video saturation in the range of 1 to 100.

## 7.8. Software Upgrade

Select the configuration table or program for an upgrade, place the required upgrade files on an SD card, and the upgrade can be performed.

## 8. Installation Methods



## 9. Important Notes

- Zone sensors should be connected while the indoor monitor is powered off, or else the zones will not be effective.
- Front doorbells and emergency alarm buttons should be provided by the user.
- Multiple indoor monitors can be extended from one terminal indoor monitor.
- A secondary confirmation door unit (front doorbell) can be added.
- Please follow the wiring labels on the terminal indoor monitor for.

