

# User Manual

## Indoor Monitor



**H Series Digital System Indoor Monitor**  
**User Manual\_V1.0**  
**Model Number: H-IS16S**

# Attentions

1、 Please keep devices away from strong magnetic field , high temperature , wet environment ;



2、 Please do not fall the devices to the ground or make them get hard impact ;



3、 Please do not use wet cloth or volatile reagent to wipe the devices ;



4、 Please do not disassemble the devices.

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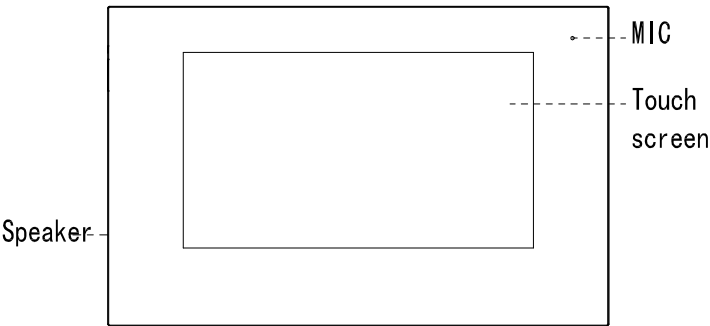
# Chapter 1 Functions Review

This product, based on TCP/IP transmission protocol, is the main device for the IP video door phone system, it supports video phone, defense area setting and picture pushing.

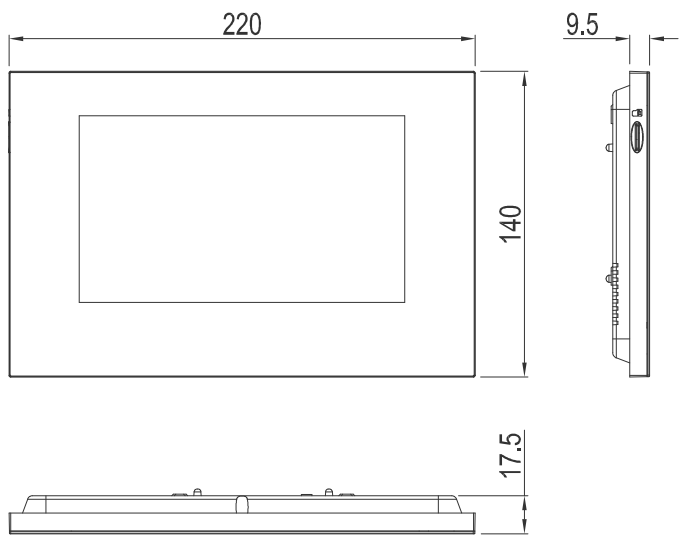
- 7" TFT display
- Support standard 48V PoE/ Non-standard 24V switch or DC24V power supply
- Support connection to doorbell and mini outdoor station
- Support extendable elevator-reserve service
- Support call diverting
- Support real time surveillance to outdoor/mini outdoor station, IP camera
- Support message receiving and sending from management center
- Support multi-indoor-monitor in apartment, synchronizing arm/disarm
- Support video intercom between residents and visitors/guard unit
- Support intercom function between residents in the same community
- Support standard 7+1 defense areas alarm function

# Chapter 2 Product Introduction

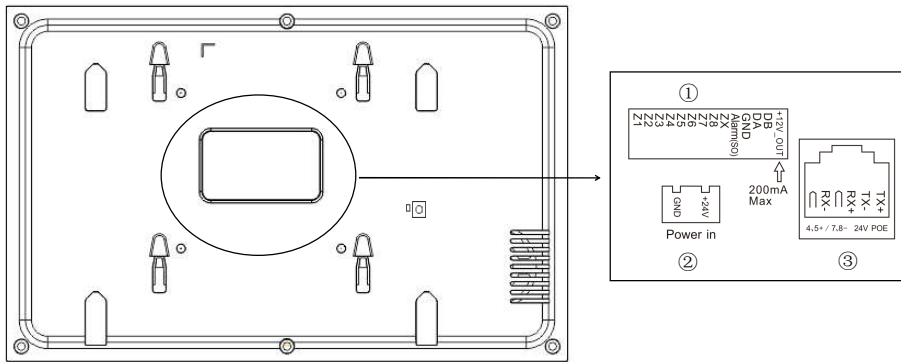
## 2.1 Product Appearance



## 2.2 Product Dimension



## 2.3 Interface Introduction



### Number①

+12V GND: defense area detector power terminal (current $\leq$ 200mA);

Alarm: alarm output interface (reserved);

ZX: extension interface for defense zone;

Z8 to Z1: standard defense area interface, support normal open/close security module;

### Number②

Power input terminals: DC 24~30 V;

### Number ③

Internet interface

(Standard 48V PoE switch, or Non-standard 24V PoE switch optional ).

## 2.4 Parameters

Working Voltage: DC 24V

Device Quiescent Current:  $\leq$ 200 mA

Device Working Current:  $\leq$ 350 mA

Defense Area Output Current:  $\leq$ 200 mA ((Individual power supply only, defense area output voltage 12V)

Screen Size: 7inch

Resolution:1024× 600

Appearance Dimension(L × W × D): 220 × 140 × 17.5mm

Environment Temp.: -10℃ ~ +55℃

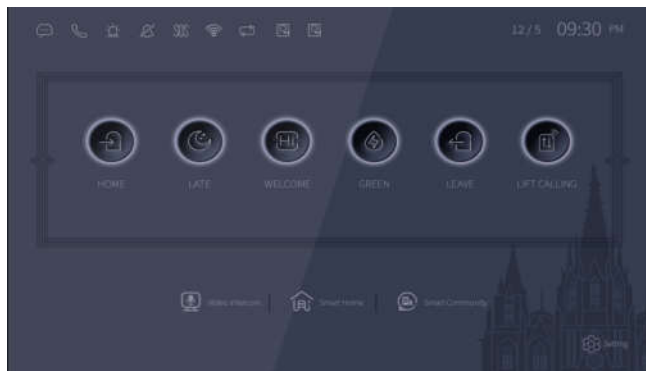
Call Waiting: 30s

Call Duration: 120s


Surveillance Duration: 30s

# Chapter 3 Basic Function


## 3.1 Standby Interface



### Property Message

Press  to check the property message.


### Call Log

Press  to check, read, delete call history of all types.


### Alarm Record, Arm/Disarm Mode

Press  to check out alarm history and set in arm/disarm Mode.


### Mute

Press  for disturbance free setting.

### SOS Message


Long press  for 2 seconds so that an SOS message will be sent to guard unit.

### Call Forwarding


Press  to authorize the transfer of calls to the guard unit or other indoor monitors.

### Network Status


 is the icon of network status,  highlighted icon indicates that the network is good,  and gray icon indicates that the network is not connected.

 is the icon under mini outdoor station.


### Elevator Reserve

Press  to reserve an elevator to the floor one lives.


## Video Intercom

Press  to enter the video intercom interface for monitoring, calling, viewing call logs and alarm logs, and setting the mute mode, etc.


## Smart Home

Press  to enter the smart home interface to set up lights, curtains, air conditioning and background music, etc.

## Smart Community

Press  to enter the smart community interface to monitor the IP cameras, view the property management message, licenses, Store, and Repairs, etc.

## Setting

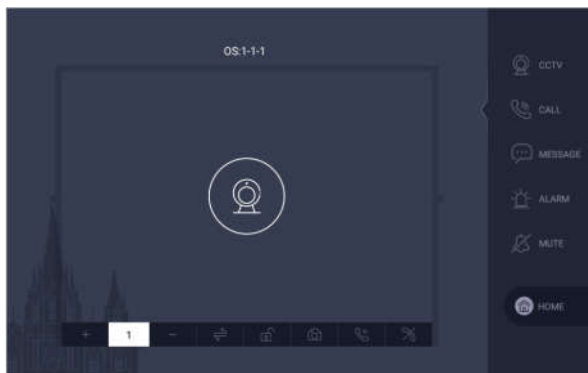
Press  to enter Setting page.

## Scene Mode



Compatible to the KNX module for the Scene setting, choose the icon to set relevant Scene setting.

## 3.2 Video Intercom




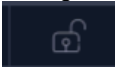

*Monitoring Page*



It can monitor the outdoor station, mini outdoor station and gate station.

## Monitor&Unlock

**Basic workflow: choose the device to be monitored⇒monitor⇒unlock⇒call ended**

- 1) Press  on the main interface to enter the monitor interface to monitor the gate station/outdoor station/mini outdoor station.
- 2) During the surveillance, residents can unlock the door for visitors by pressing .
- 3) Press  to end the surveillance.


## Image Capture

During the surveillance, press  to capture image manually.


NOTE: Images captured will be saved in the Call Log.

## Visitor call

**Basic workflow: monitor⇒talk⇒call ended**

During the surveillance process(mini outdoor station/outdoor station/gate station), resident can press  to talk with the visitor.

## Initiative Calling

Press  on the main interface to enter the calling interface.



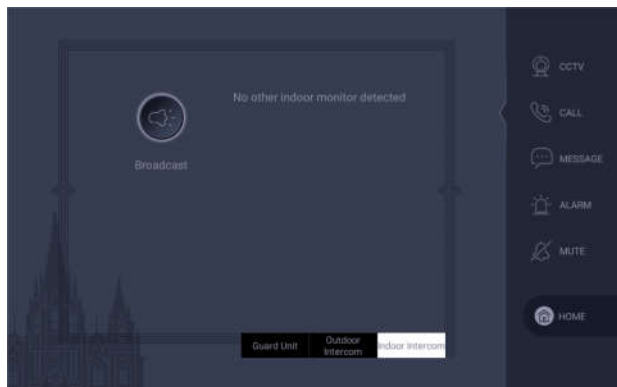
*Calling Page with Dial Pads*

## Call indoor Monitor

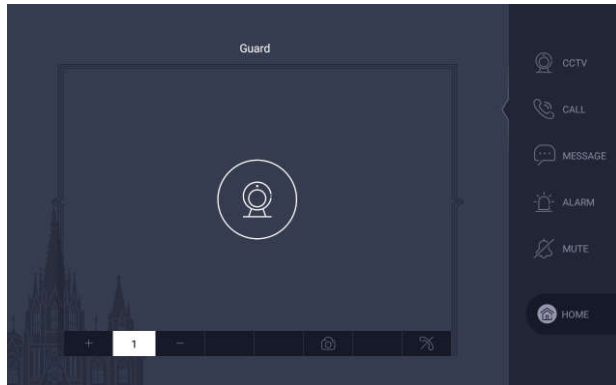
**Basic workflow:** call  $\Rightarrow$  ring bell  $\Rightarrow$  talk  $\Rightarrow$  call ended

### 1) Call

Press **Indoor Intercom** to pop up the list of indoor monitors, call other indoor monitors of this household, or broadcast to other indoor monitors.





## Call Guard Unit



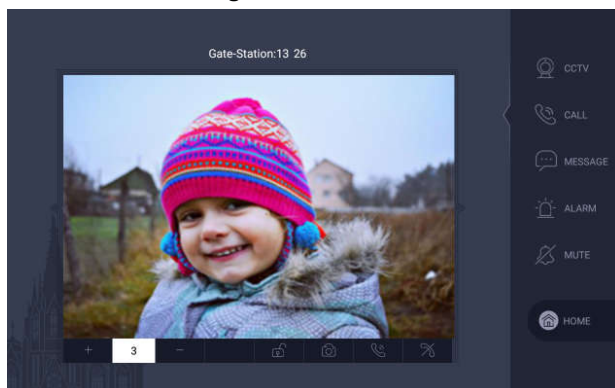
*Ringing Page*

### Basic workflow: call⇒talk⇒call ended

- 1) Press  to start a call to guard unit.
- 2) Guard unit bell rings.
- 3) Talk with guard unit.
- 4) Press  to end call.




### Pick up the call

#### Basic workflow: ring bell⇒talk⇒unlock⇒call ended

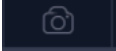


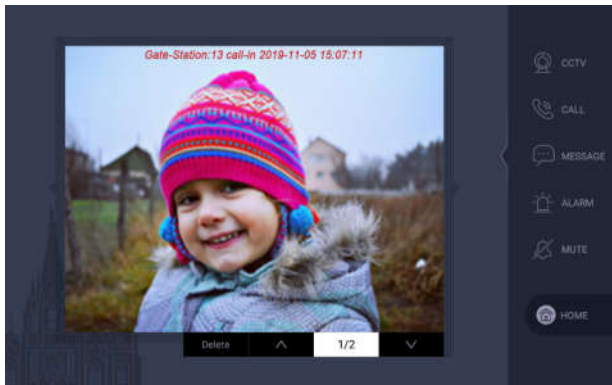
*Ringing Page*

### Incoming Call:

- 1) Visitor can call indoor station through outdoor station, the bell of indoor station rings.
- 2) Resident can press  to answer the call.
- 3) During the call, resident can press  to unlock the gate/door, 5s after unlocking the call will be ended automatically.
- 4) Resident press  to end call.

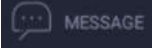
### Image Capture:

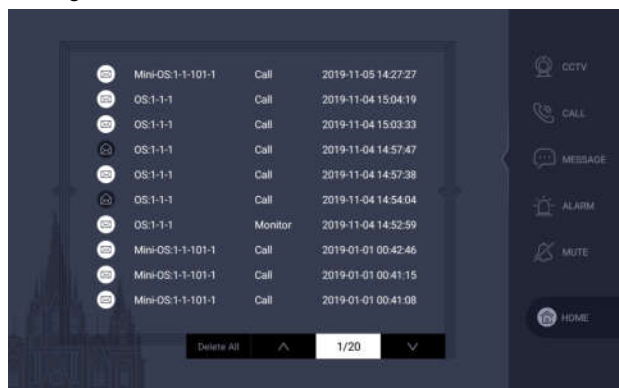
- 1) During the call, resident can Press  to capture images.
- 2) Images captured will be saved in Call Log in stand-by page.



*Image Captured*


## Message

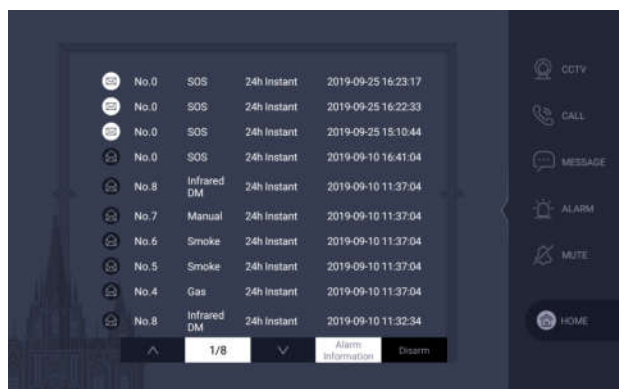
Press  to enter information page to check messages received from management center.



*Message Page*

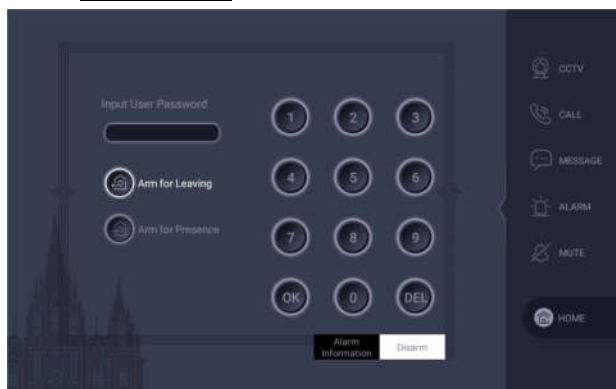
## Alarm Record, Arm/Disarm Mode

Press  to enter the alarm record interface to view the alarm information record.



*Alarm Information Record*

Press **Disarm** to arm/disarm home.



*Password Input Page*

**Under arming, the user can:**

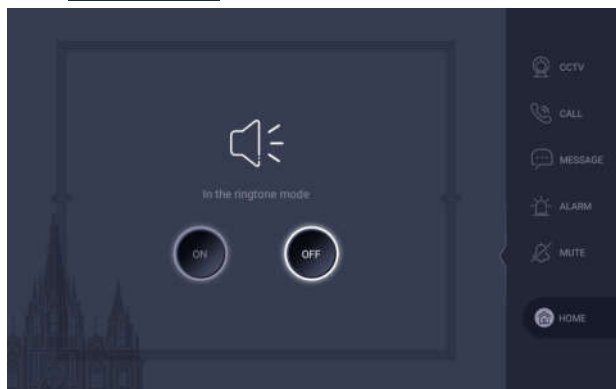
Disarm: input the password to disarm.

**Under disarming, the user can:**

Arm: input the password and enter arming delay, leave the area before the delay time's up.

## Mute

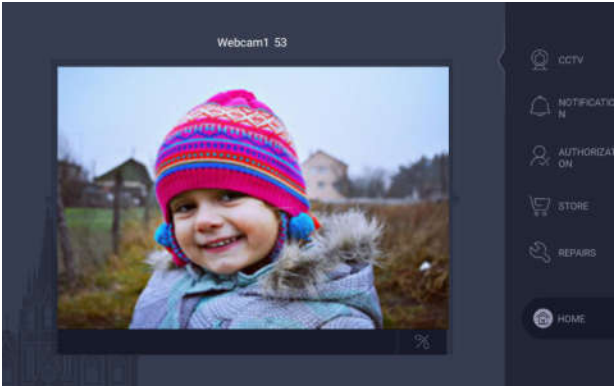
Press **MUTE** to turn on/off the disturbance free function.



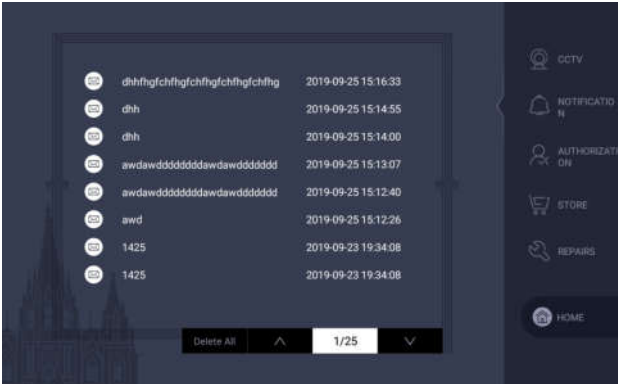
*Mute Setting Page*

# Chapter 4 Smart Community

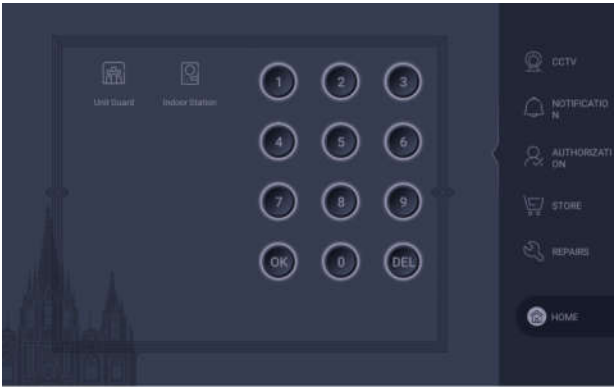
## Surveillance IP camera



### Information from Property Management



# Authorization



# Store



# Repairs

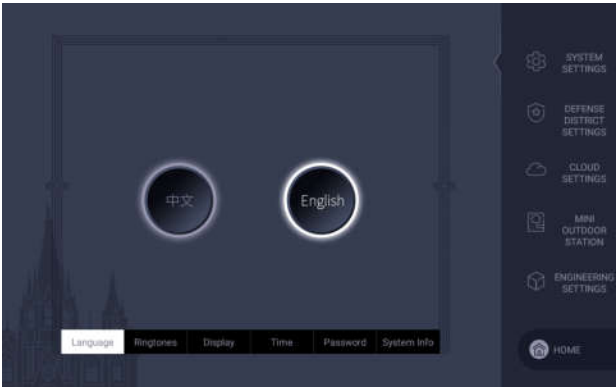




# Chapter 5 Settings

## 5.1 System Setting

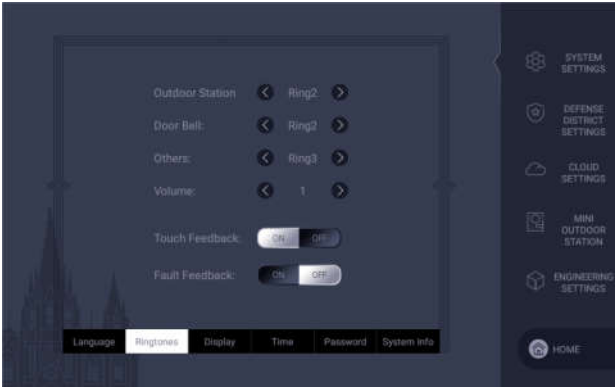
### Language setting



Language Setting page

Press **Language** in setting page to change the current language.

### Ringtone Setting



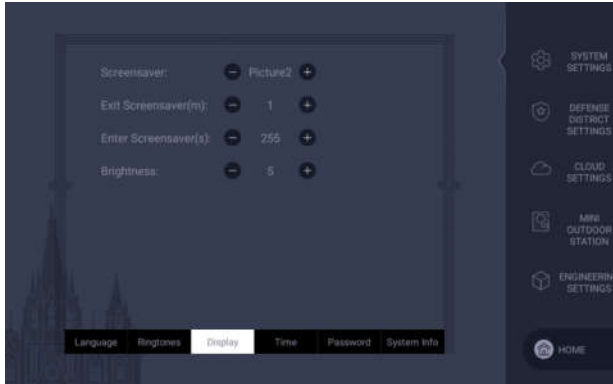
Ringtone Setting page

Press **Ringtones** in setting page to enter ringtone setting page:

- 1) Adjust ringtone and volume of incoming call from different device;

2) Touch tone and fault tone setting.

## Display Setting



*Display Setting page*

Press **Display** in setting page to enter display setting page:

- 1) Set screen saver image;
- 2) Set screen saver starting and ending time;
- 3) Adjust screen brightness.

## Time Setting



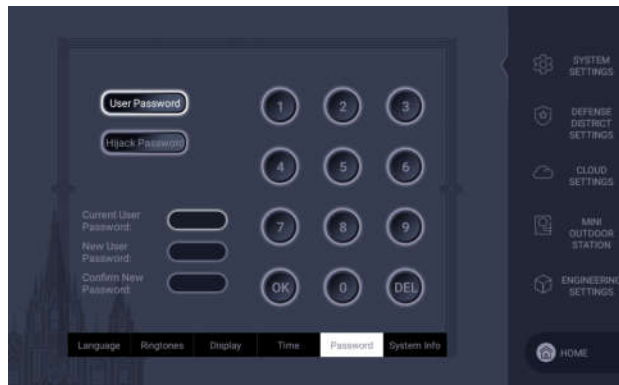
*Time Setting page*

Press **Time** in setting page to set the date and time of the indoor monitor.

Time synchronization: this function allows the indoor monitor keeping in the same time

with PC.

## Password Setting



*Password Setting page*

Press **Password** in setting page to enter password setting:

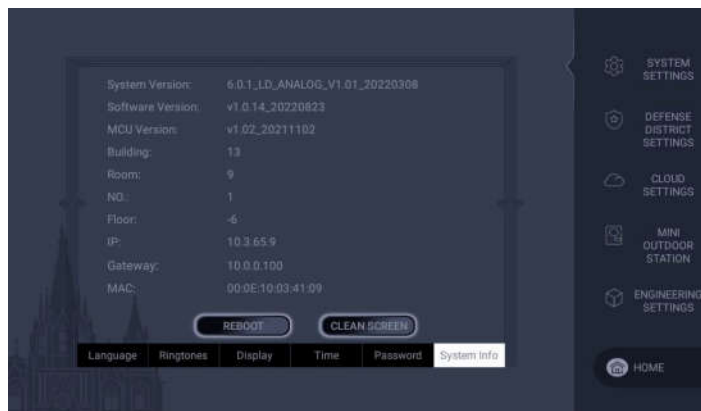
### User Password

Input current user password  $\Rightarrow$  Input new user password  $\Rightarrow$  confirm new password (default user password: 66666)

### Hijack Password

Input (current hijack password  $\Rightarrow$  new hijack password  $\Rightarrow$  confirm new password)


## System Information




*System Information page*

Press **System Info** in setting page to check information such as software version

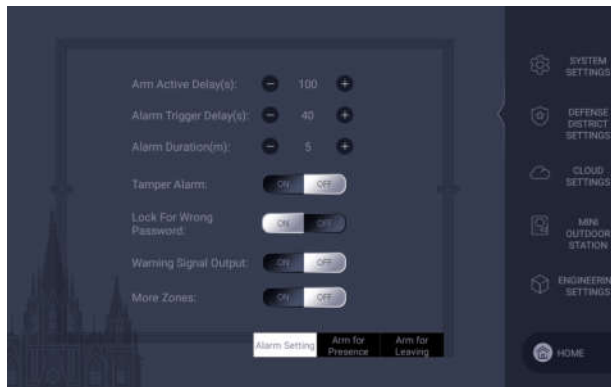
and IP address etc.

1) Press  and confirm to reboot system;


2) Press  and confirm to start screen cleaning, a pup up window will show with 60s countdown, during this countdown the touch function will be disable.

## 5.2 Defense Zone Setting

### Alarm Setting



*Alarm Setting page*

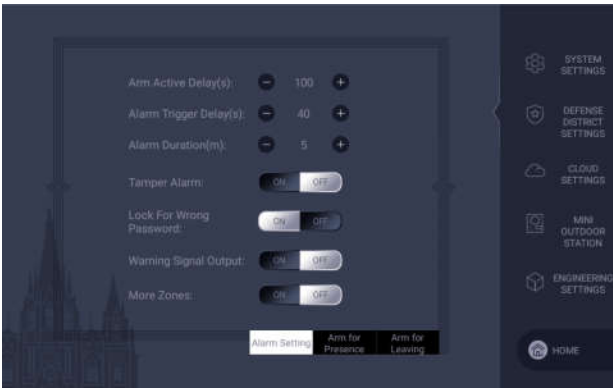
Press  in setting page, user can enter alarm setting with the correct user password(default user password: 666666).

- 1) Arm Active Delay(s): After arming, the device will first enter arm active delay, if delay alarm is triggered during this time, the system will not sound the alarm.
- 2) Alarm Trigger Delay(s): Under arming, when the delay alarm is triggered, if user can disarm within this countdown, the system will not sound the alarm.
- 3) Alarm Duration(m): The alarm duration time when the defense zone is triggered.
- 4) Tamper Alarm: Turn on this option, and the device will send alarm signal to Guard Unit when it is being dismantle illegally. Tamper alarm will turn on as default.
- 5) Lock For Wrong Password: With this function turned on, when user is disarming, if wrong password is inputted 3 times within 1 minute, the device will lock for 60s and user can not operate during this time.
- 6) Warning Signal Output: With this function turned on, the alarm signal interface will

output a high level signal when the alarm zone is triggered.

7) More Zones: Turn on this option when alarm zone extension is needed, and alarm extension module is required for this feature(Instruction of alarm zone extension can refer to P3).

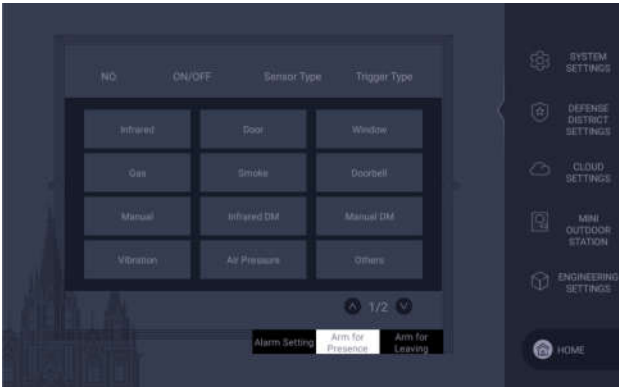
## Arm for Presence



Arm for presence 1

Press **Arm for Presence** in defense zone setting page to configure detailed setting of each zone:

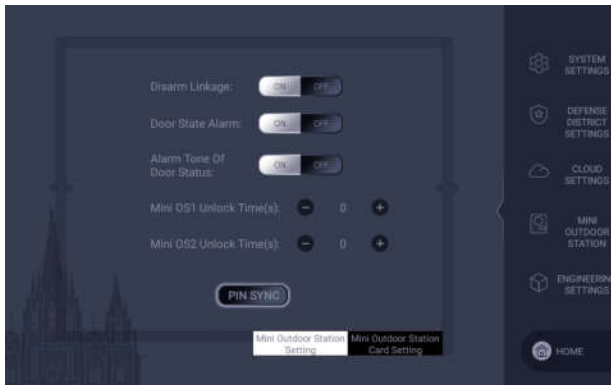
- 1) Turn ON/OFF sensor;
- 2) Select sensor type;
- 3) Select trigger type, detailed defense zone instruction refer to P25.




Arm for presence 2

## 5.3 Mini Outdoor Station Setting

### Mini Outdoor Station setting

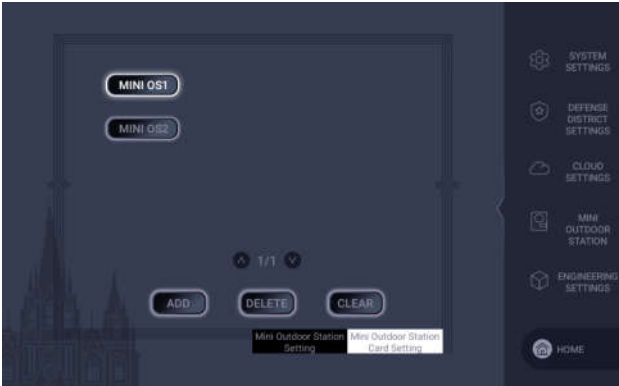


*Mini Outdoor Station Setting page*

Press  and input the correct user password to enter mini outdoor station setting(default user password: 666666)

- 1) Disarm Linkage: With this function turned on, while under arm for leaving, user can disarm the device by swiping registered card to Mini Outdoor Station.
- 2) Door Status Alarm: With this function turned on, when the door is opened over 120s, an alarm alert will be reported to Guard Unit an PC Manager Center.
- 3) Alarm Tone of Door Status: With this function turned on, Mini Outdoor Station will sound the alarm when the door is opened timeout.
- 4) Mini Outdoor Station Unlock Time(s): Set the unlock time of Mini Outdoor Station.
- 5) PIN SYNC: Press PIN SYNC so that the rest Indoor Monitors in the same apartment can operate the Mini Outdoor Station.

# Mini Outdoor Station Card Setting



Mini Outdoor Station Card Setting page


Card Management: User can register or delete IC cards.

## 5.4 Engineering Settings

### Room NO. Setting



Room No. Setting page

Press  in setting page, and input the correct engineering password to enter engineering password, user can set the room number of the device.

Engineering Password: For entering the setting page for Indoor monitor Room No. Mini Outdoor Station and Reset to Factory.

Default Engineering Password: 801801

## Add Mini Outdoor Station

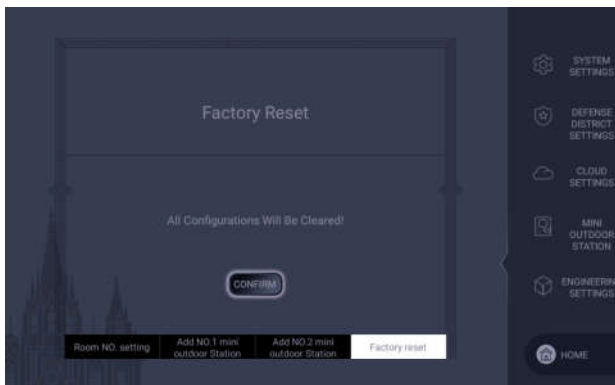


*Add Mini Outdoor Station page*

Within 3 minutes after powering the Mini Outdoor Station, long press call button for 2s until you hear 3 times short beeps(short press it will enter standby mode), then short press call button again, Mini Outdoor Station will restore factory setting and enter configuration mode with a long beep. Then enter Setting > Engineering Settings > Add NO.1/2 Mini Outdoor Station.

All the Mini Outdoor Station in configuration mode will be listed in setting page, user can confirm which is the target Mini Outdoor Station by checking their video surveillance.

## Factory Reset



*Factor Reset page*

Press **Factory reset** and confirm, then the device will restore factory settings.

NOTE:

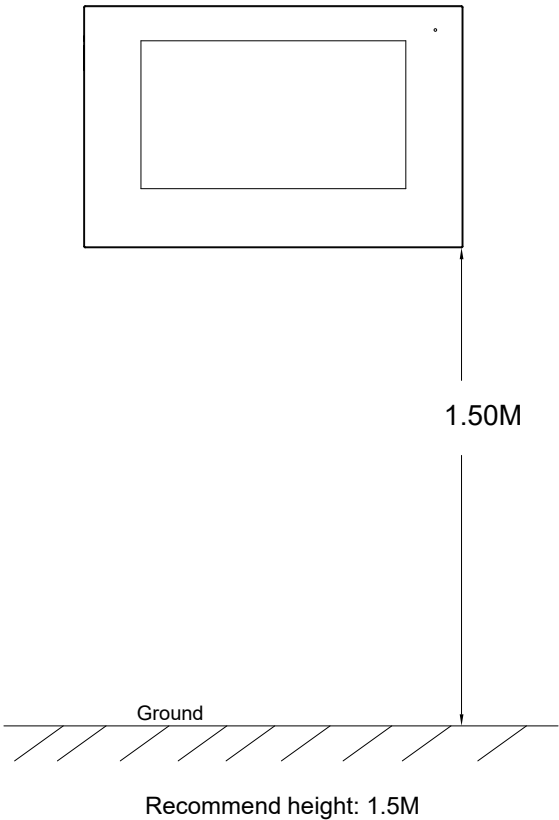
1. Reset **after** powering on for 30s, the device will be set to default setting.



2. Reset **within** powering on for 30s, the device will be set to default setting, meanwhile all the history will be **CLEANED**.

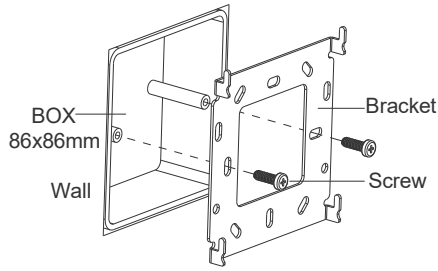
# Chapter 6 Installation Instruction

## 6.1 Height Installation



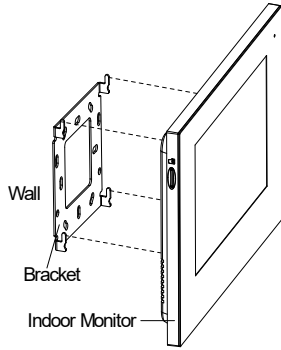
# 6.2 Installation Illustration

①



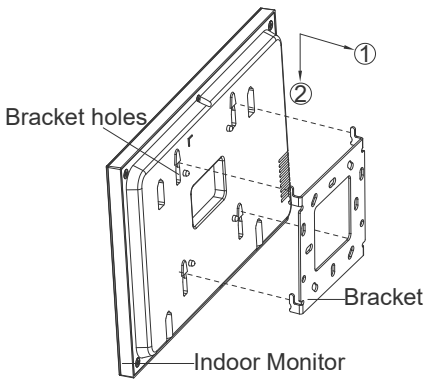
Step 1:  
Drive the screws on the bracket with the holes on the 86 box.  
Fasten the screws to fix the bracket.

②



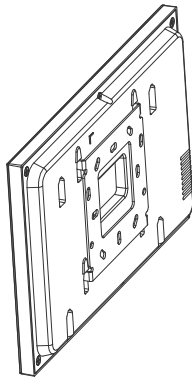
Step 2:  
After finishing the wiring of the indoor station, aim the slot behind the indoor station to the hook of the bracket(②).  
After aiming correctly, move downward a little to make the indoor station well fastened on bracket.(③)  
Finish installation(④)

③



Aligning at the bracket

④



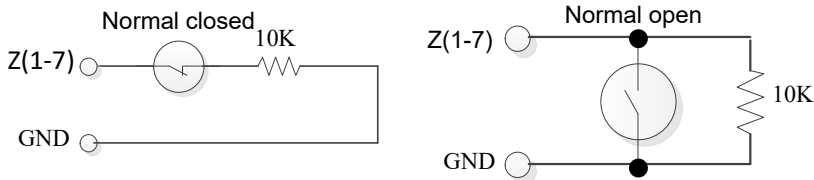
Card in the bracket

# Chapter 7 Defense Area Wiring

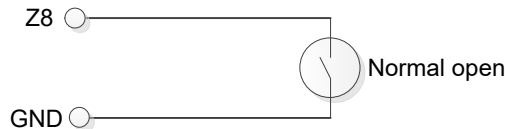
## 7.1 Defense Area Wiring Diagram

### 7.1.1 Single Security Detector Wiring

Indoor Station Z1 to Z7 wiring:

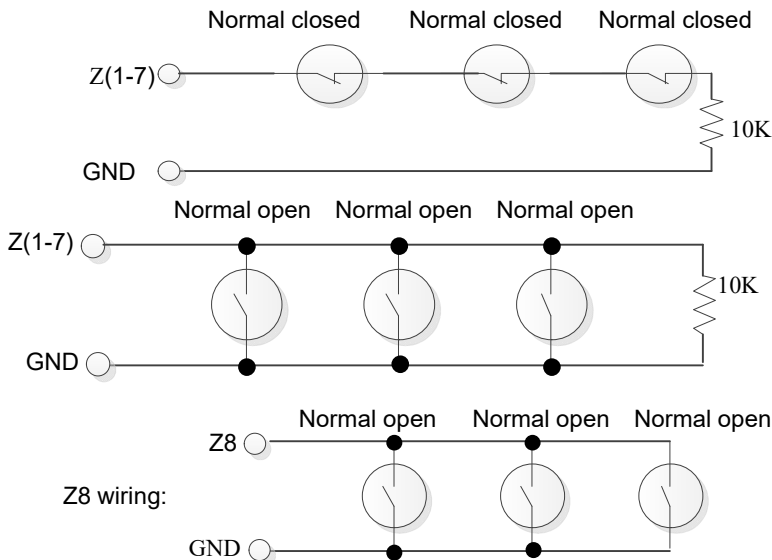


Indoor monitor Z8 wiring:



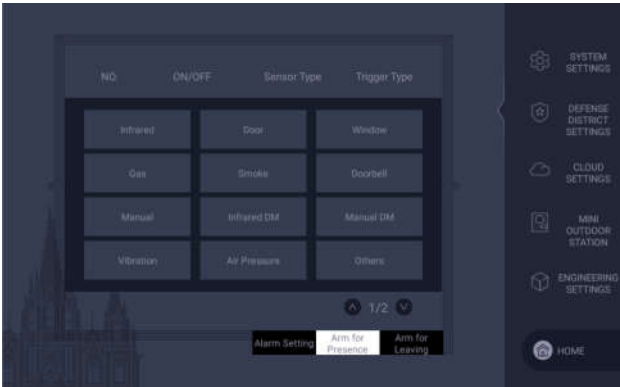
### 7.1.2 Multi Security Detectors Wiring

Indoor monitor Z1 to Z7 wiring:



**NOTE:** Unused defense area interfaces could be closed in the Alarm System Setting, or it can be blocked by 10K resistance.

# 7.2 Defense Zone Instruction



Defense Trigger Type Page

**Instant alarm:** After this defense area is armed, once it triggers, the alarm warning will be sent out immediately.

**Delay alarm:** After this defense area is armed, once it triggers, then enter the counting down of alarm delay. Users can disarm the defense during the counting down. Otherwise it will send out alarm warning when time is up.

**Transferring delay:** This defense area is related to the operation of delay defense area. After arming, once this defense area triggers before the delay defense area, it will alarm immediately. If the delay defense area triggers firstly, then enter the counting down of alarm. Users can disarm during the counting down. Otherwise it will alarm immediately when time is up.

**24 hours Instant:** This defense area will detect as soon as the system is power on, and it will not be influenced by arming/disarming. Once this defense area is triggered, the alarm warning will be sent out immediately.

**Cross alarm:** It contains 2 defense areas, after setting the defense area, the alarm area 1 triggered, and another alarm area triggered within 5s in sequence, it will send the alarm immediately, otherwise will not send the alarm.

# 7.3 Doorbell Function

Doorbell function can be set by Alarm Setting  $\Rightarrow$  Defense Area Setting  $\Rightarrow$  Detector Type. After the setting, when the defense area detects doorbell input, the doorbell rings immediately.