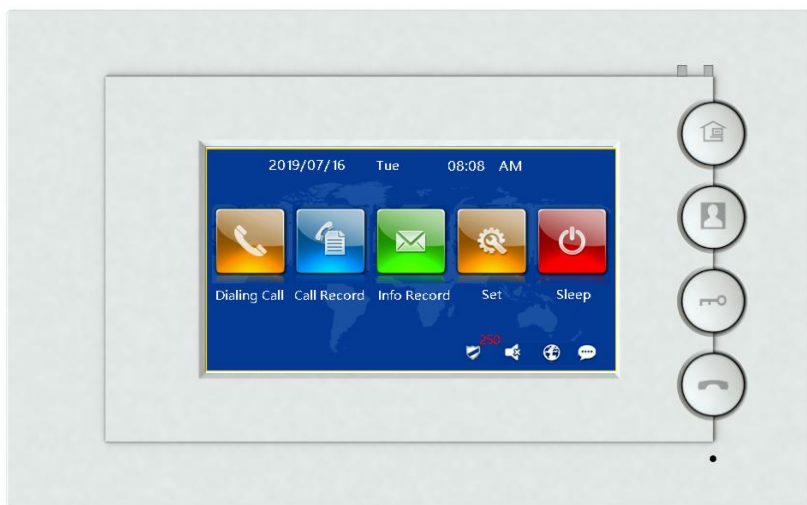


# User Manual

## Indoor Station



## H series-Indoor Station User Manual\_V1.0

Model Number: H-IS20

# 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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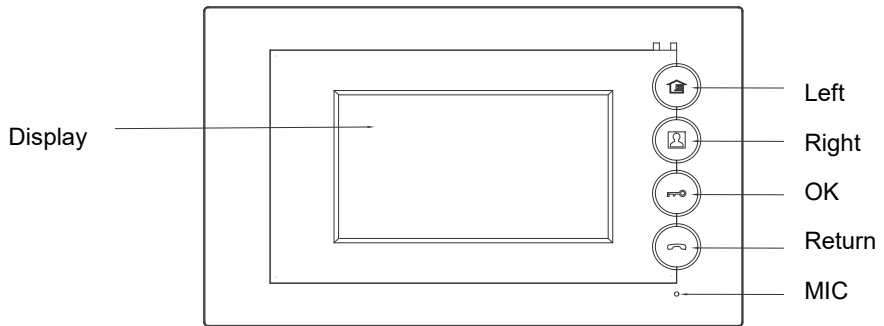
# Unit 1 Functions Overview

The indoor station is based on the protocol of TCP/IP, it is one of the main devices in digital video door phone system.


- **Designed with 4.3 inch panel**
- **Support 24V non-standard POE power supply**
- **Support real time monitoring outdoor station**
- **Receive and send message from/to guard unit**
- **Support more than one indoor monitors in one house**
- **Support the video intercom between visitors and residents, residents and guard units**

## Unit 2 Product introduction


### 2.1 Product appearance




Multifunctional buttons:

 : Call Guard Unit / Left Shift

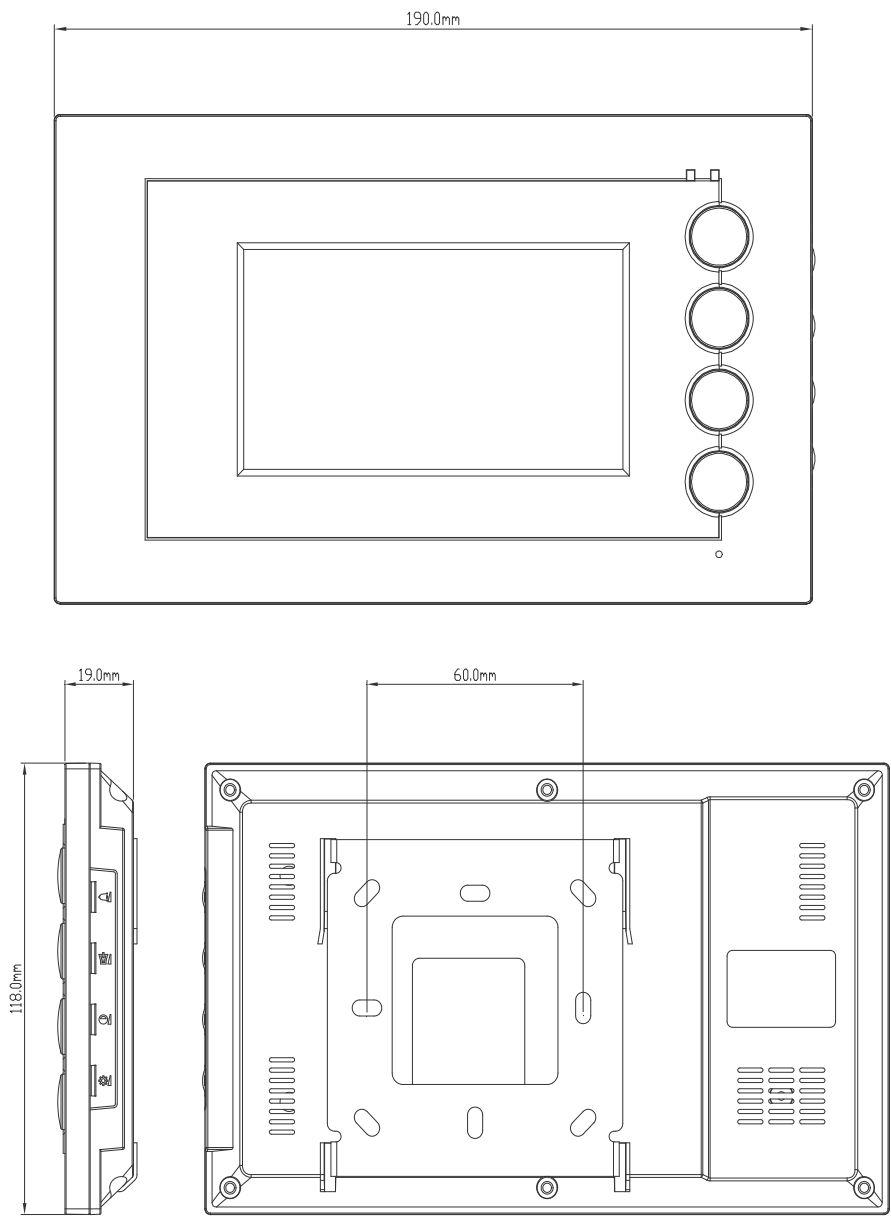
 : Monitor Outdoor Station / Right Shift

 : Confirm / Unlock/ Save setting by long Press or Clear the call log

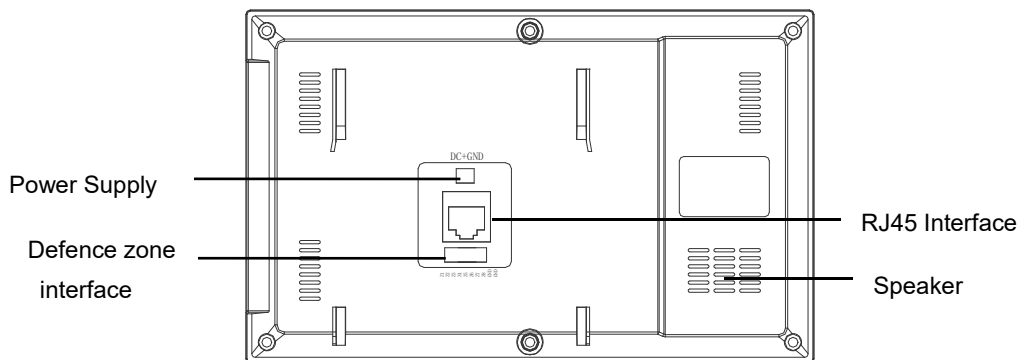
 : Answer or Hang up the call/ Return

Note: It is possible to program the buttons with relevant functions by PC management center.

## 2.2 Product Dimension



## 2.3 Interface description



RJ45 interface: support to connect with PoE switch

Power supply interface: DC24V

Defence Zone interface(Reserve):

Z7-Z1: Standard defence zone interface, connecting Normal open/Normal Close module

Z8: Doorbell

GND:Connect with ground

## 2.4 Parameters

Working voltage: DC 24V

Static current:  $\leq 80$  mA

Working current:  $\leq 120$  mA

LCD panel size: 4.3 inch

Resolution: 480 \* 272

Dimension(L \* W \* D): 190 \* 118 \* 19 mm

Environmental temperature:  $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$

Max Ring Duration: 30 seconds

Max Calling Duration: 120 seconds

Max Monitoring Duration: 30 seconds

Configuration password: This password is used when setting room number and factory reset. The initial password is 801801.






# Unit 3 Basic Functions



## 3.1 Menu





### Call

Choose , press  to confirm and enter the calling interface, it is possible to selected to call guard unit, outdoor station or other resident. When calling other resident, input the building No., unit No. And apartment No., then press  to execute the call.



### Call log

Choose , press  to confirm to enter the call log interface, you can check the call log with visitor/ Guard unit.The user can check and delete the record from this page.



### Information

Choose , press  to confirm to enter the information page to check the information posted by the community.

### Configuration

Choose ,press  to enter the configuration interface, residents can configure the language, time, check device information and to configuration setting.

### Standby

Choose , press  the indoor monitor will enter to the Standby status.




## 3.2 Call In




*Display of indoor station when doorbell rings*

**Steps: Doorbell rings  $\Rightarrow$  Talk  $\Rightarrow$  Open the door  $\Rightarrow$  Talk Completed**


**When the calling comes:**

1. Visitor calls the indoor monitor from outdoor station, the indoor station starts ringing.
2. Resident can press  button to talk with the visitor.
3. During the conversation, resident can press  button to open the door for the visitor. 5 seconds later after opening the door, the system returns to the standby status.
4. Resident can press  button to end up the talking.

**Volume adjustment:**

1. When visitors are calling, press  to adjust the volume.
2. Volume level from 1 to 5.

### 3.3 Call Guard Unit

When the device is at the standby status, press  button to call guard unit.

User can call the guard unit in the dialing page after selecting the button.



Calling the guard unit

#### **Volume adjustment:**





1. When visitors are calling, press  to adjust the volume.

2. Volume level from 1 to 5.

### 3.4 Monitoring




*The monitoring interface*

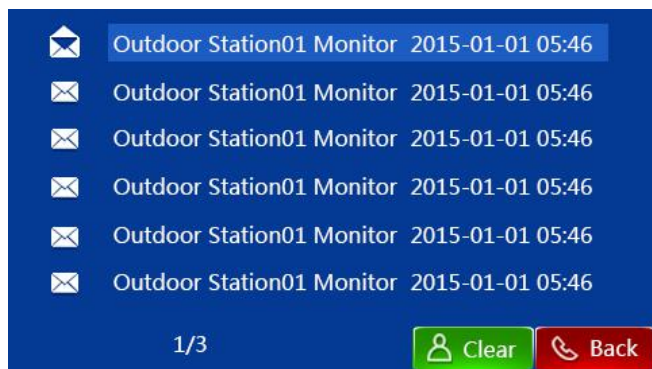
1. Press the  icon to monitor outdoor station.
2. During monitoring, the resident can press  button to unlock for visitor;
3. Press  to talk, press  again to end talking.

#### **Volume adjustment:**

1. When visitors are calling, press  to adjust the volume().
2. Volume level from 1 to 5.


## 3.5 Call records

Press  button to enter the call records interface. Here you can check the call records information.








*Call records interface*

### Clear call records

Press  button to clear the call log.


### Check call records

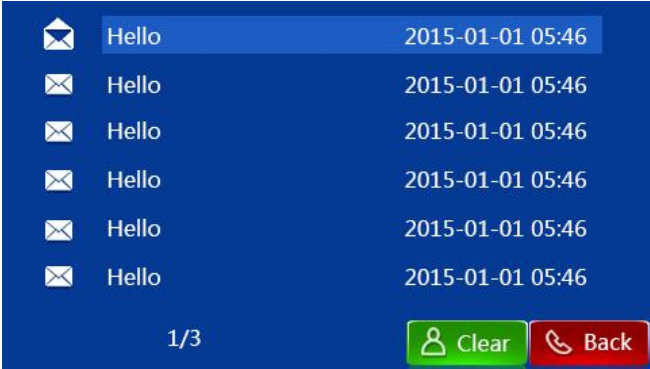
You can press  or  to choose, press  to read the details of the information, Long Pressing  to delete the record, and press  to return.



*Call records interface*


### 3.6 Information

Choose  button to enter the text message interface. Here you can check the community information sent from the guard center.








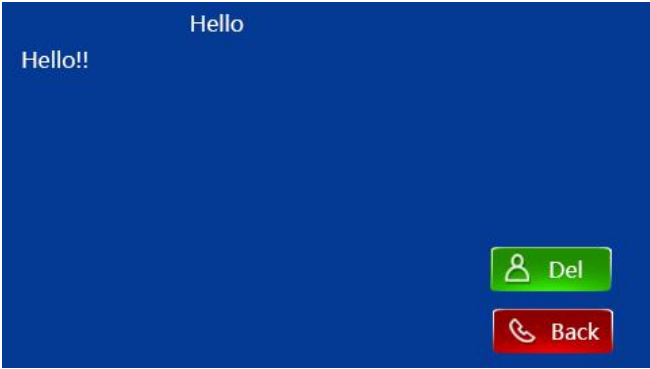
*information interface*

#### Clear information

Long pressing  button to clear the information.






#### Check information

You can press  or  to choose, press  to read the details of the information, long pressing  to delete, then press  to return.



*detail information interface*

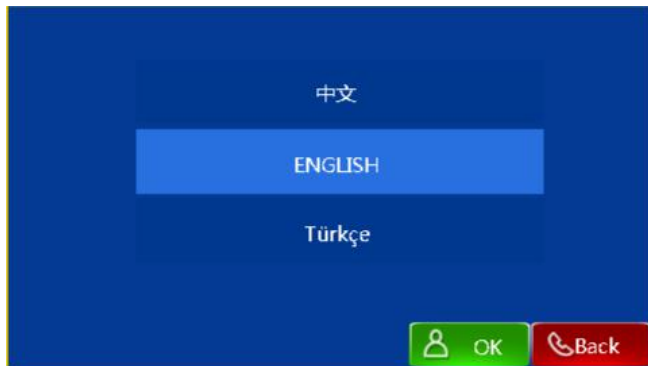
### 3.7 Standby

Choose  to enter the standby status, press  or  to turn on the screen, press  to call guard unit directly, press  to monitor the outdoor station directly.

## Unit 4 System setting

### 4.1 Language setting

Choose  then choose **language** to enter the language setting.



*language setting interface*

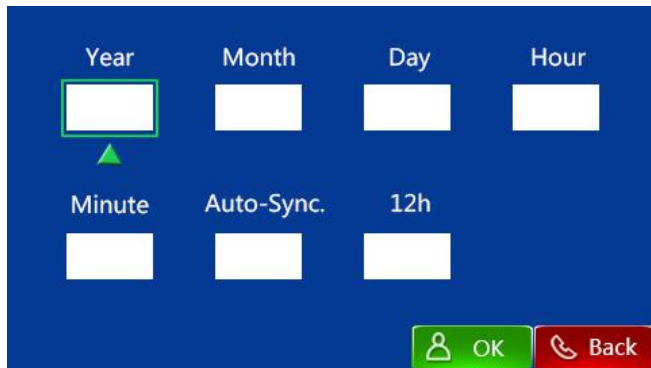
For the first time of power on the station, language must be selected.



## 4.2 Time setting

Choose  and then enter **Time Setting** to set the Date and time for the device.









( Inputting “1” in Auto-Sync blanket means “Yes”, inputting “0” means”No”; inputting “1” in 12h blanket means to choose 12 hours system, inputting “0” means to choose 24 hours system).




The image shows a time setting interface on a blue background. It features six input fields arranged in two rows. The top row has fields for Year, Month, Day, and Hour. The bottom row has fields for Minute, Auto-Sync., and 12h. A green triangle points to the Year field. At the bottom right, there are two buttons: a green 'OK' button and a red 'Back' button.

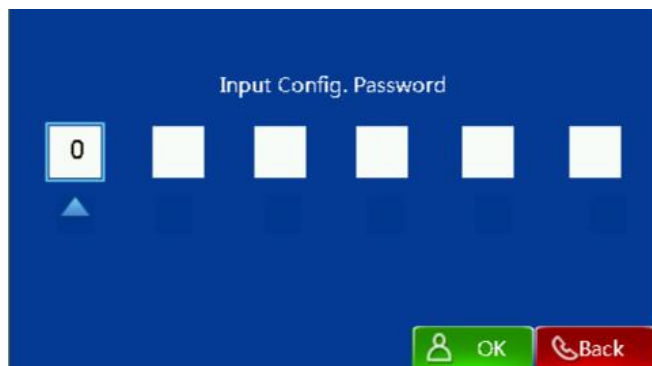
*time setting interface*

### Remarks:

Press  and  for the type frame, and then press  to enter the input frame. After choosing the input frame, press  and  to edit number. Press  one time, means to decrease 1 in circle. Press  one time (from 1-9 in circle), it means to increase 1 in circle, **LONG PRESSING**  to save the setting









### 4.3 Configuration settings

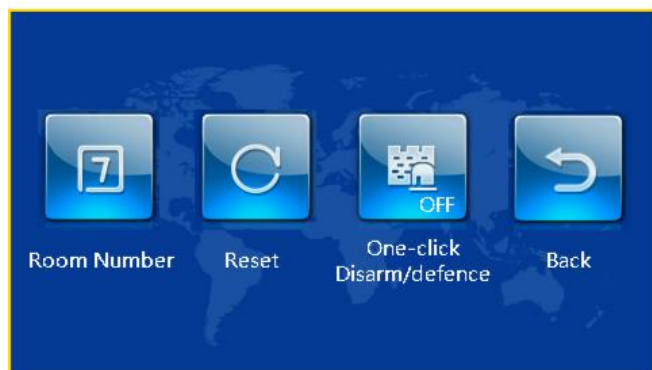
Choose   $\Rightarrow$  **Configuration**, input password to enter configuration setting interface.



*configuration setting to enter password interface*


#### Remarks:

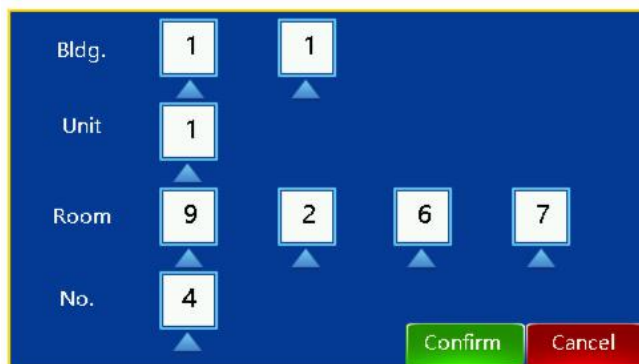
Press  and  for the type frame, and then press  to enter the input frame. After choosing the input frame, choose  and  to edit number. Press  one time, means to decrease 1 in circle. Press  one time (from 1-9 in circle), it means to increase 1 in circle, after inputting the number, **LONG PRESS**  to save the setting.



*configuration setting interface*

## 1. Room number setting


Choose  to enter the room number setting interface.

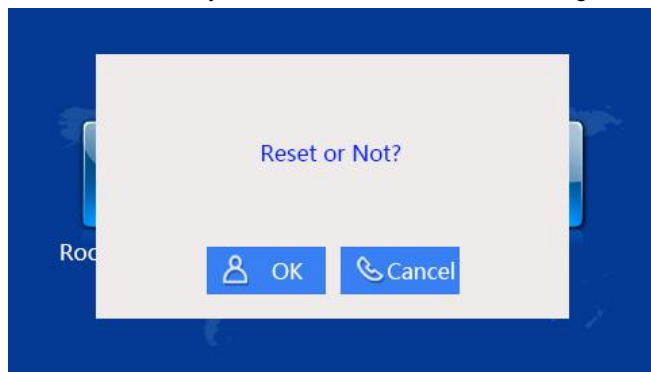


The interface is a blue screen with four rows of input fields, each with a label to its left and a blue upward arrow below it. The labels are 'Bldg.', 'Unit', 'Room', and 'No.'. The input fields contain the following values: '1' for Bldg., '1' for Unit, '9' for Room, and '4' for No. To the right of the 'Room' field, there are three additional input fields containing the values '2', '6', and '7'. At the bottom right of the screen, there are two buttons: a green 'Confirm' button and a red 'Cancel' button.

*room number setting interface*

## 2. Factory reset


Choose  and enter the **Factory Reset** within 30s after powering, after confirming the selection, the system will be reset to default setting.




*factory reset interface*

**Note:**After factory reset,all record will be deleted.


### 3. One-Button Arming Setting

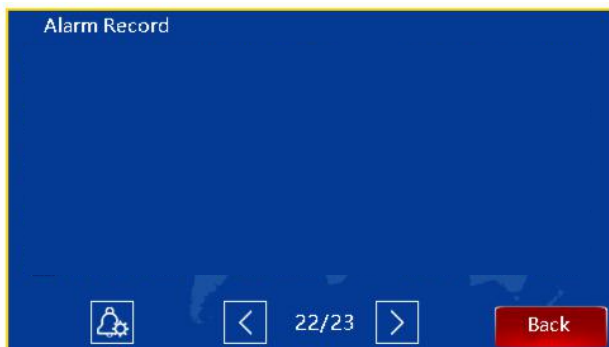
Choose  to turn on/ off the arming.

### 4.4 Mute Setting

Choose  ⇒ **MUTE** to set up the mute function, the ringtone will be muted when turn on the function

### 4.5 Alarm record

Choose  ⇒ **Alarm Record** to enter the alarm record interface, user can check the alarm record and set up the defence zone.





Alarm record interface


### 4.6 Alarm Setting

Choose  ⇒ **Alarm Setting** to set up the alarm



Alarm setting interface


Choose  or , input the user password to trigger the Arm For Leave setting or Arm For Presence.

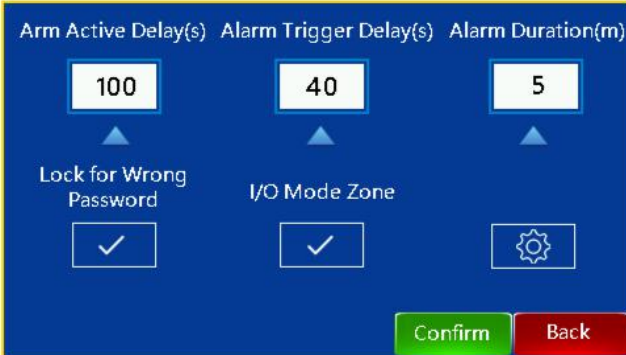
When it is under arming status, choose  to the page for disarming by the user password(Default user password: 666666)

Note:

1. under disarming, the page shows disarm icon to ensure the user to disarm when needed.
2. If the One-Button arming setting is on, user can disarm the defence zone without inputting user password.

## 4.7 Defence Zone Setting

Choose  to input the defence zone setup interface by user password.




The screenshot shows a blue-themed interface for setting defence zone parameters. At the top, there are three labels: 'Arm Active Delay(s)', 'Alarm Trigger Delay(s)', and 'Alarm Duration(m)'. Below each label is a white box containing a numerical value: '100', '40', and '5' respectively. Under each value box is a blue upward-pointing triangle. Below the triangles are three options: 'Lock for Wrong Password' with a checkmark icon, 'I/O Mode Zone' with a checkmark icon, and a gear icon. At the bottom right, there are two buttons: a green 'Confirm' button and a red 'Back' button.

Defence zone setting interface

- 1)Arming Delay: Reserved
- 2)Alarm Delay: Reserved
- 3)Alarm Delay duration: when the defence zone arming is triggered, the duration of the alarm ringtone.
- 4) Error password lock: When turn on this function, disarm the defence zone alarm with 3 error password within 1 minute, the device will be locked for 60s, during this period the user can not execute the disarming operation on the device.
- 5) I/O mode: check this box to select I/O mode defence zone. If not selected, it will be standard AD defence zone.

### Defence Setting

Choose  to enter the system alarm setting interface, if the defence zone type is

**AD mode**, user can turn on/ off the defence setting. If the sensor zone type is **I/O mode**, user can execute the setting for each defence zone with ON/OFF and Normal Open/Closed, defence zone type and trigger type can't be change.

1/2 defence zone sensor type is Infrared, trigger type is Cross Alarm



3/4/5 defence zone sensor type are Infrared, Door magnetic, Window magnetic, trigger type is Instant Alarm

6/7 defence zone sensor type are Smoke detector, Gas detector, trigger type is 24 Instant Alarm

8 defence zone sensor type is Doorbell, trigger type is 24 Instant Alarm

For the introduction of defence zone type and trigger type, please refer to the defence zone wiring instruction.

Leaving: Long Touch BACK Key To Change Mode

No.	ON/OFF	Sensor Type	Trigger Type	
1	<input type="checkbox"/>	Door	Linked Zone	
1	<input type="checkbox"/>	Door	Linked Zone	
1	<input type="checkbox"/>	Door	Linked Zone	
1	<input type="checkbox"/>	Door	Linked Zone	

1/1 Confirm Back

Standard AD defence zone setting interface


Leaving: Long Touch BACK Key To Change Mode

No.	ON/OFF	Mode	Sensor Type	Trigger Type	
1	<input type="checkbox"/>	Normal Open	Infrared-DM	24h Instant	
1	<input type="checkbox"/>	Normal Open	Infrared-DM	24h Instant	
1	<input type="checkbox"/>	Normal Open	Infrared-DM	24h Instant	
1	<input type="checkbox"/>	Normal Open	Infrared-DM	24h Instant	

1/1 Confirm Back

I/O defence zone setting interface

## 4.8 Device Information

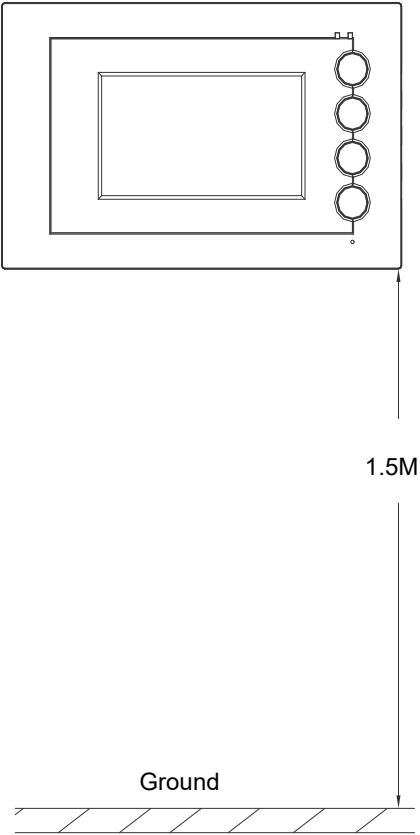
Choose  **⇒ About**, enter the page. The “About” interface shows the software version and device setting information.

Software Version :	H-IS02_V1.0_20151020
MCU Version :	H-IS02_MCU_V1.2_20150617
Building :	1
Unit :	1
Room :	101
No. :	1
IP :	10.2.193.0
MAC :	00:0E:ED:02:C1:00

*about interface*

# Unit 5 Installation

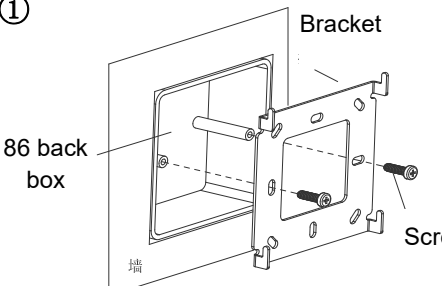
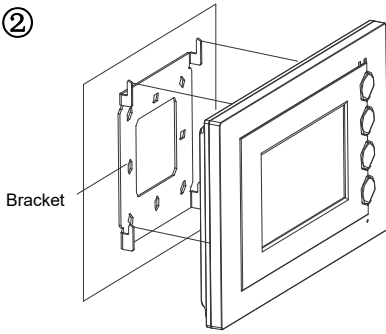
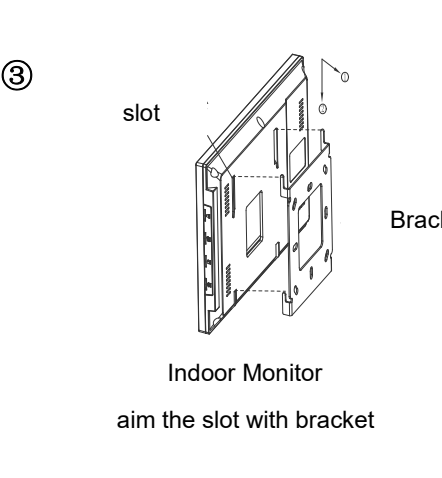
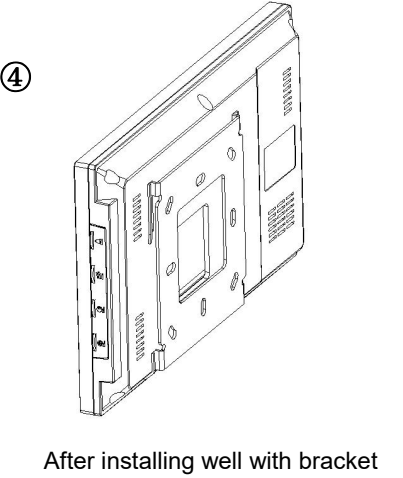
## 5.1 Suggested height



Suggested installation height:1.5m



# 5.2 Installation instruction

<p>①</p>  <p>86 back box</p> <p>Bracket</p> <p>Screw</p>	<p>Step 1: Drive the screws on the bracket with the holes on the 86 box. Fasten the screws to fix the bracket.</p>
<p>②</p>  <p>Bracket</p>	<p>Step 2: After finishing the wiring of the indoor monitor, aim the slot behind the indoor monitor to the hook of the bracket.</p> <p>After aiming correctly, move downward a little to make the indoor monitor well fastened on bracket. When there is a click, it indicates the indoor monitor has been well installed.</p>
<p>③</p>  <p>slot</p> <p>Indoor Monitor</p> <p>aim the slot with bracket</p>	<p>④</p>  <p>After installing well with bracket</p>

## Unit 6 Defense zone wiring instruction

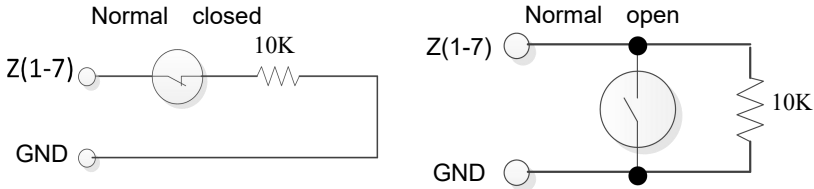


### 6.1 Defence zone wiring diagram

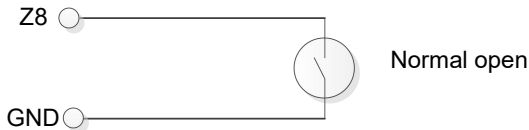
#### 6.1.1 The wiring way for single security detector

If tick the I/O mode box, Z(1-7) don't need to add 10K resistor, if the I/O mode box does not checked, the indoor monitor wiring shall be as below:

##### Indoor station Z1 to Z7 wiring:



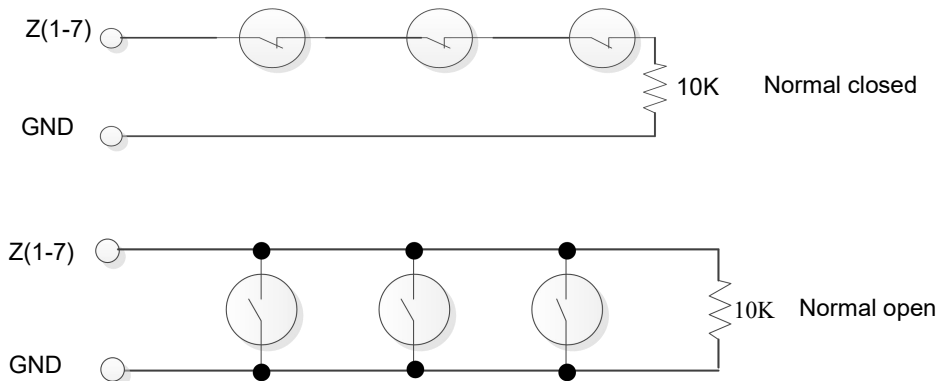
##### Indoor Station Z8 Wiring:



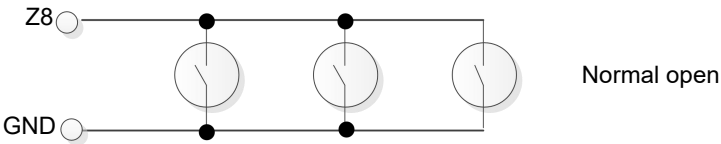
#### 6.1.2 The wiring way for multi-detectors

If tick the I/O mode box, Z(1-7) don't need to add 10K resistor, if the I/O mode box does not checked, the indoor monitor wiring shall be as below:

##### Indoor station Z1 to Z7 wiring:



**Indoor station Z8 wiring:**



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