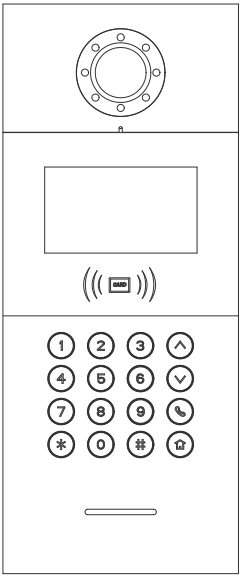
# User Manual

## Outdoor Station



# H Series-Outdoor Station User Manual_V1.0

**Model Number: H-OS08**

# 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 Overview

The Outdoor station is one of the main parts in the digital video door phone system. It is connected with indoor stations, guard units and other devices in the system by standard CAT5 cables. And it supports RFID access control (IC or ID).

## 1.1 Functions and Characteristics

- **4.3'' TFT display**
- **Support IC or ID Card**
- **Auto fill light with high luminance LED**
- **Door status detection**
- **Support normally-closed /normally-opened**
- **Provide a output DC 12 v / 800 mA (when the input voltage > 18V)**

## 1.2 Parameters

### Working Parameters

Working Voltage：DC 24V

Static Current: ≤ 100mA

Working Current：≤ 210mA

Environment Temperature：-20℃ ~ + 70℃

### Camera

Camera Type：CMOS

Pixel：1.3 Mega

View Angle：100°

Focal distance：3.5mm

Fill light type : white

Minimum Illumination：0 lux

### Display

Type：LCD

TFT Screen Size：4.3”

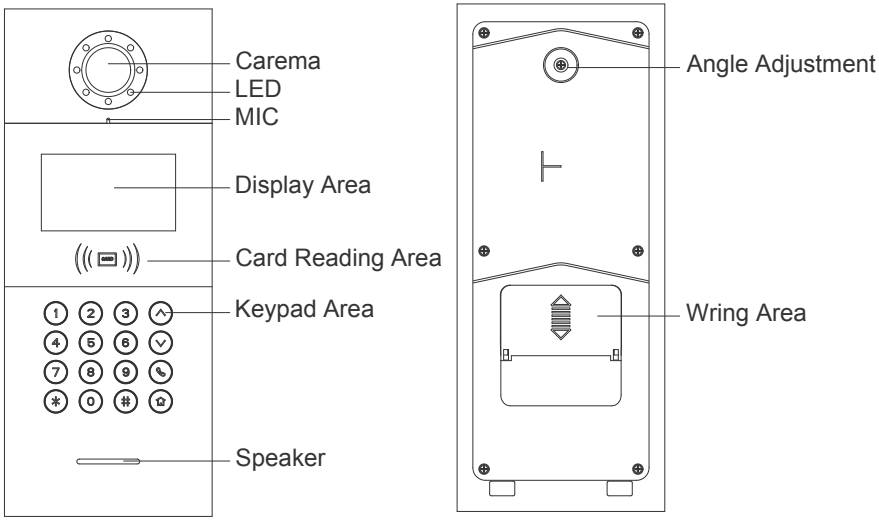
Resolution：480×272

### Dimension

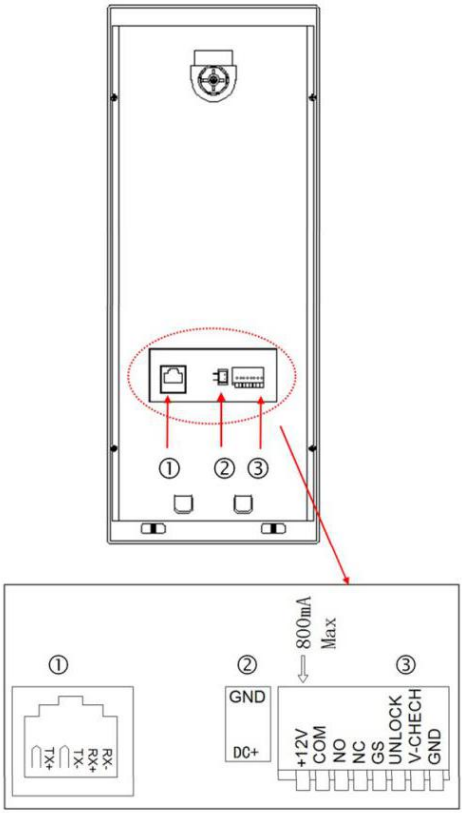
( W/H/D ) 148.5×363×47 mm

# Unit 2 Appearance and Interface

## 2.1 Front View



## 2.2 Rear View




**1.** Network Interface (Non-standard PoE 24V power supply; if power is needed for gate lock or low temperature heating function is required, outdoor station must be supplied independently).)

**2.** Interface for input power: DC 24 V (interface for independent power supply)

**3.** +12V ：Only when the outdoor station input voltage >18V, + 12 V voltage is given. If input voltage is + 12 V, the output will be lower than + 10V.

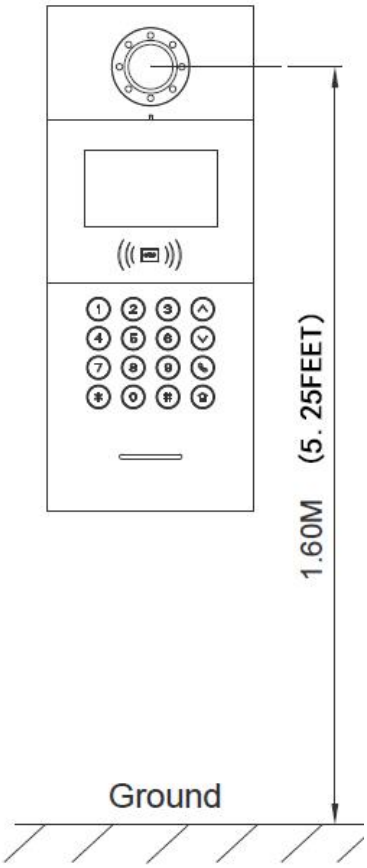
COM, NO and NC ： Common pin, normally-open pin, and normally-closed pin for the unlock relay.

GS: Door status detection input pin.

UNLOCK GND: Door unlocking switch.

# Unit 3 Installation

## 3.1 Height Installation




**Notes for Installation :**

**1. The depth of the groove should be well measured. Too much space between the wall and the embedded is prohibited.**

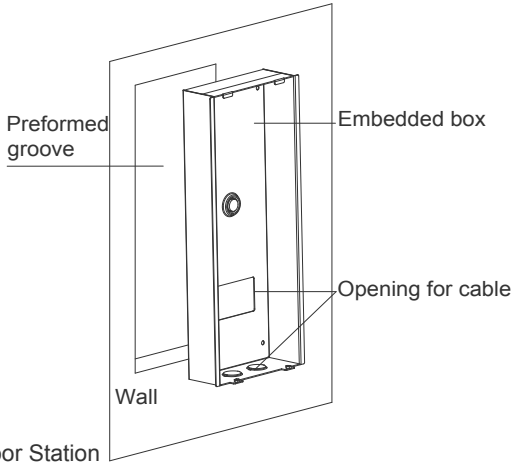
**2. Do not install on the wall that have much contact with rain, moisture or dust. And keep away from objects of high temperature and strong corrosivity.**

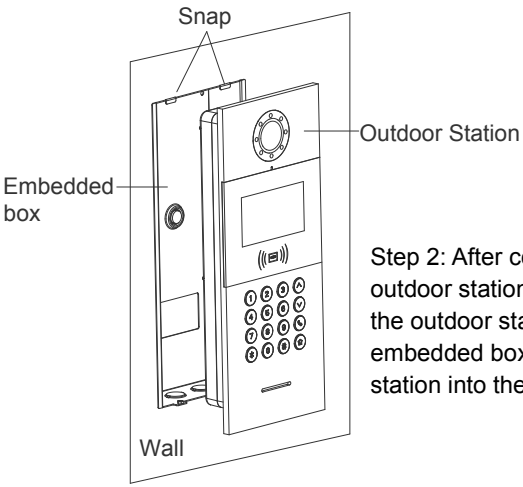
## 3.2 Installation Illustration

Step 1: Put the embedded box into the preformed groove. After getting the cable out through the opening, fasten the box with nails or by cement.

Embedded box dimension (W/H/D):

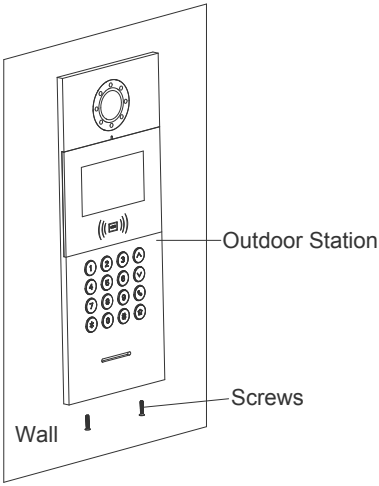
132 x 340x 50mm




Step 2: After connect the cable to the outdoor station, match the snap slot of the outdoor station to the snap of embedded box and press the outdoor station into the box.

Step 3: Fasten the outdoor station to the box with screws.



# Unit 4 Operation Instructions

## 4.1 Call Indoor Monitor

Visitors make a call via inputting building number, unit number and room number, then press # to start the call. There will be ring back tones on this station, during ringing, press * to cancel the call. If there is no any answer within 30 seconds, call will be ended automatically .

**Outdoor Station Mode:**

Outdoor Station Input range: The building number and unit number is default , when to call, just need to input the room number (like 0101), and the room number ranges from 0101 to 6332.

**Gate Station Mode:**

Gate Station input range : Building number （1 ~99）+ unit number （1~9）+ room number （0101~6332）, such as 011+0101.

Villa Outdoor Station input range : Building number（00）+unit number （0）+room number（1~999）, such as 000+0101 .

## 4.2 Call Guard Station

At the status of Standby, visitors can press key to call guard unit.

## 4.3 Unlock

1. By swiping Card

To unlock it, put a registered card to the card reading area of outdoor station/gate station.

2. By external button

There is a interface on the outdoor station/gate station that can wire to a button inside the door, which resident inside can just press and unlock.

3. By Password

Public Password Unlock: # +Public password+ #

User Password Unlock: ＊+ # + room number + User Password + #

**Remarks:** Default password of public password & user password is 666666. This function is deactivated (as default setting), to activate the function of unlock by password please refer to the system settings

# Unit 5 Entry Settings

## 5.1 Standby Interface

*Standby page*

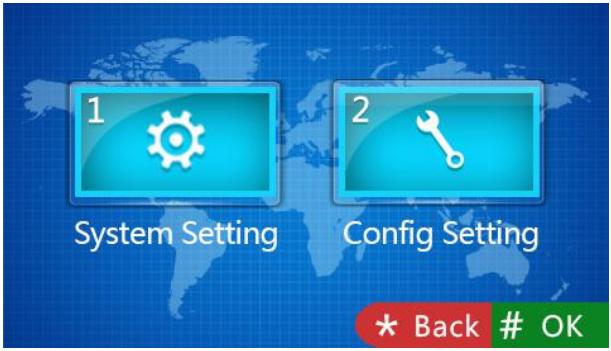
## 5.2 Login for Engineering Settings

On standby interface Press "#" and then "*" key, enter into the login interface for engineering settings. Default password is "801801"

Login for Engineering Settings.

## 5.3 Setting interface

Input the correct password then press "#" key to confirm and enter it. You can press the up/down key to choose the item of setting, or press the corresponding number (shown on the icon) directly.




*Engineering Settings*

# Unit 6 System Settings

System settings, including time setting, volume setting, language setting, password setting, unlock time setting, card management, and elevator setting. You can press the up/down key to choose the item of setting, or press the corresponding number (shown on the icon) directly.

System Settings

## 6.1 Time Setting

As the illustration below, you can use press up/down key to choose the item to modify, then input the numbers. Press "#" key to confirm.

*Time setting*

## 6.2 Sound Setting

Use the up/down key or number keys to select the item, and "#" key to adjust. After adjusting finished, press "∗" key and it will save and return.

*Sound Setting*

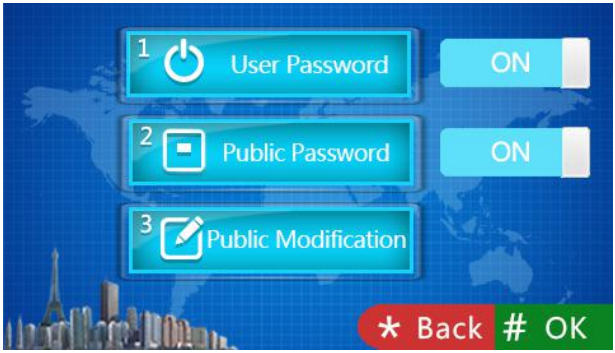
## 6.3 Language Setting

Use the up/down key or number keys to choose the language, press "#" key to confirm.

*Language Setting*

## 6.4 Password Setting

Password setting includes 3 items: On and Off for user password and public password, and change of public password. Use the up/down key or number keys to adjust or set.




*Password Setting*

## 6.5 Unlocked-Time Setting

Unlocked-time setting is to set the duration of the unlocked time after door opened. When the time is out, the door will lock again automatically. Input the numbers of time needed, The unit is "second". Press "*" key to delete and press "#" key to confirm and back to previous menu.

*Unlocked-Time Setting*

## 6.6 Card Management

Card management includes registration, check(card information), delete, clear(delete all) and copy card .

*Card Management*

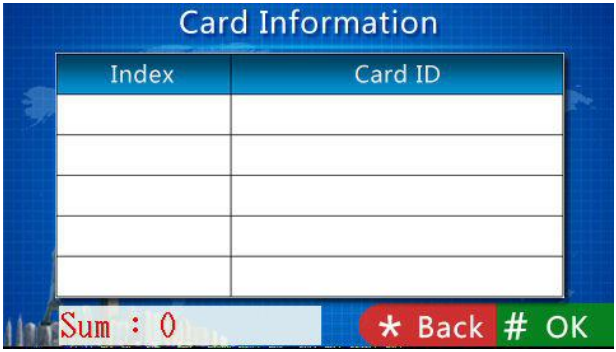
On registration interface,and register by a card or by inputting the card number. Press " # " key to confirm or press " * " key back to previous menu . You can press " * " key to delete the input numbers if needed.

The operation of “delete” is same as “registration”.

**Remark：** Maximum quantity of cards registered is 20,000 pcs.

*Registration*

Enter “check” and you can check all card numbers and the quantity of registered cards.




*Card Information*

If you choose the “clear”, a message will come out for you to confirm the operation(delete all). Press "#" key to confirm, press "*" key to return.

The function of “copy card” is to copy the data and information to other outdoor stations and gate stations. First use the up/down key to choose outdoor station or gate station and press "#" key confirm,the target type will followed by “ √ ” mark . After that input the number of the target outdoor station/gate station. Then press "#" to start copying. A message will come out when it is completed.

*Card Copy Interface*

# Unit 7 Configuration Settings

Configuration settings includes device property, dialing setting, alarm setting, factory test, configuration password, company info, device info. Use up/down key to choose or directly press corresponding number to a particular setting.

*Configuration Settings*

## 7.1 Device property

The device can either be used as outdoor station or gate station, depending on the definition of device property. Choose and define it as outdoor station or gate station then press "#" to confirm. And it will go to the number setting,the target type will followed by “ √ ” mark.

*Device property setting interface*

If it is a outdoor station, you will find there are setting for building number( 1-99), unit number (1-9) and entrance number of the building (1-10)

*Outdoor Station Number Setting*

If it is a gate station, you only need to input the number of the gate( 1-32).

*Gate Station Number Setting*

## 7.2 Dialing Settings

Dialing setting interface are different with different device property. If it is outdoor station, the dialing setting interface is as below:

If you choose “3”, you should dial 3 numbers (3digit)to call. For example, to call room 18 floor 8, you should dial 818;

If you choose “4”, you should dial 4 (4digit) numbers to call. For example, to call room 8 floor 18, you should dial 1808.

*Outdoor Station Dialing Settings*

If it is gate station, the dialing setting interface as below, unit dialing digit can choose 1, 2, 3 digit, indoor number dialing digit can choose 3, 4 digit. Please refer to the below table for the dialing number settings of gate station.

Unit digit illustration :

| Unit Digit | 1 | 2 | 3 |
|---|---|---|---|
| | 1 digit unit（building number automatic fill 0） | 1 digit building number + 1 digit unit number | 2 digit building number + 1 digit unit number |

Indoor number illustration :

| Indoor number | 3 | 4 |
|---|---|---|
| | 1 digit floor number+2digit room number | 2digit floor number+2 digit room number |

*Gate Station Dialing Setting*

## 7.3 Alarm Setting

Enter the alarm setting and choose “on” or “off” for each items. When the alarm is triggered, it will send information to management center/guard unit.

*Alarm Setting*

## 7.4 Factory Test

There are various testing programs on FACTORY TEST interface, most frequently use are Reboot System and Reset To Factory.

When touch Reboot System, choose CONFIRM on pop-up box to restart system.

When touch Reset To Factory icon, choose CONFIRM on pop-up box to restore the system as factory setting, which means all settings (as device properties , volume etc.) will be restored as factory setting.

*Engineering Setting*

## 7.5 Configuration Password

The default configuration password is 801801. And here you can change the password :Input the current password. The text frame will move to new password if the password you input is correct. Then Input your new password(6 digit) twice.

*Engineering Password Setting*

## 7.6 Device Information

In “Device Information” you can find version of the system (outdoor station/App/MCU), IP address and MAC address.

*Device Information Interface*