## English

# IPX Video Outdoor Station

## User Manual

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Please read this manual carefully before using the product you purchase, and keep it well for future use.We reserve the right to modify the specification in this manual at any time without notice.
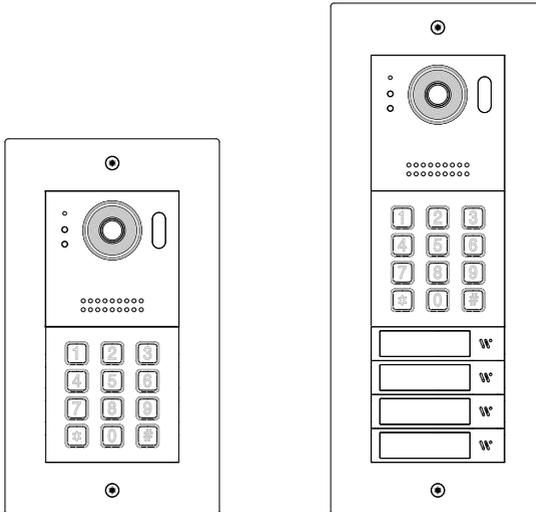
# 1.Parts and Functions
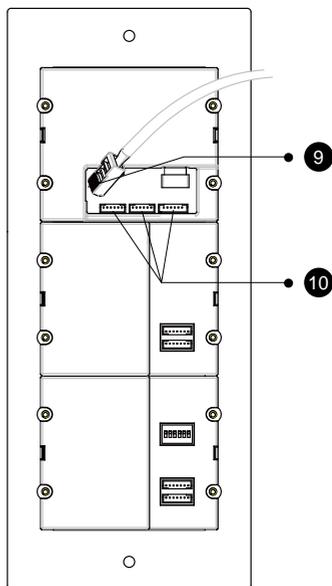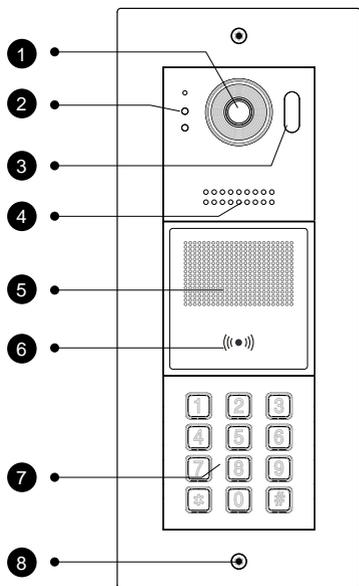


### 1. **Camera lens**

### 2. **Microphone**

### 3. **Night View LED**
Illuminates subjects in dark environments.

### 4. **Speaker**

### 5. **Dot-matrix Display**

### 6. **Card Reader Window**
Allows the door to be unlocked by using a card. The door station beeps if the card cannot unlock the door.

### 7. **821-MK Modular**

### 8. **Screw Hole**

### 9. **Lan connector**
Use to connect the door station to the network.

### 10. **Terminal connector**
Use to connect external devices to the door station

# 3.Door Station Mounting

## Flush mounting



| ① Drill a hole and attach the embedded box to it. | ② Wire correctly and plug in the bus line connector | ③ Use the screws to fasten the panel | ④ The last view for all mounting. |
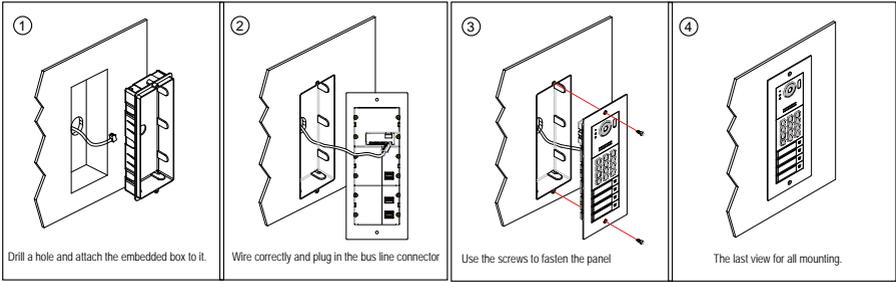
## Surface mounting
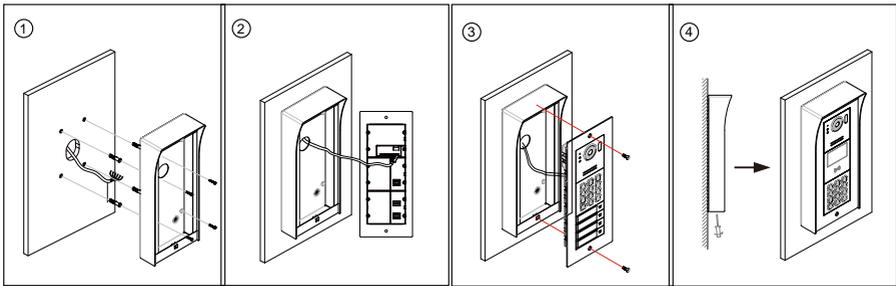


1. Installation height for door station usually is 145~160cm.
2. Use screws to fix the back panel to the wall after connect the cable correctly.
3. Attach the front panel to the back panel, then use the screw to fix it.

# 4. Electric Lock Connection

## **Door Lock Controlled with Internal Power**

Note:

1. This mode only supports electromagnetic locks.

2. Electromagnetic lock of Power-off-to-unlock type should be used.

3. The door lock is limited to 12V, and holding current must be less than 250mA.

4. The **Unlock Mode** Parameter of Monitor must be set to 1 (by default).



12V 250mA
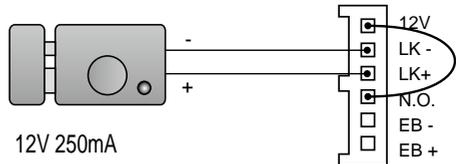
set to Normally open on the
Unlock Relay mode

## **Door Lock Controlled with Dry Contact**

Note:

1. The external power supply must be used according to the lock.

2. The inside relay contact is restricted to AC or DC 24V/1A.

3. Setup the **Unlock Mode** of Monitor for different lock types.

   • Power-on-to-unlock type:Unlock Mode=0 (by default)

   • Power-off-to-unlock type:Unlock Mode=1
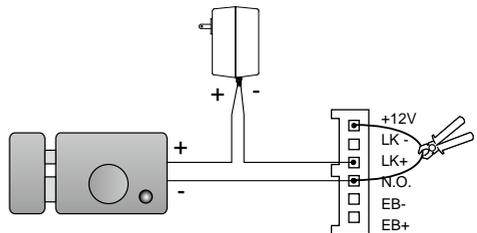


set to Normally Open on the Unlock Relay mode (default)

# 5.Module

## 1. MK Module



Mechanical keypad

IN — Connect to main or last module

OUT — Connect to next module
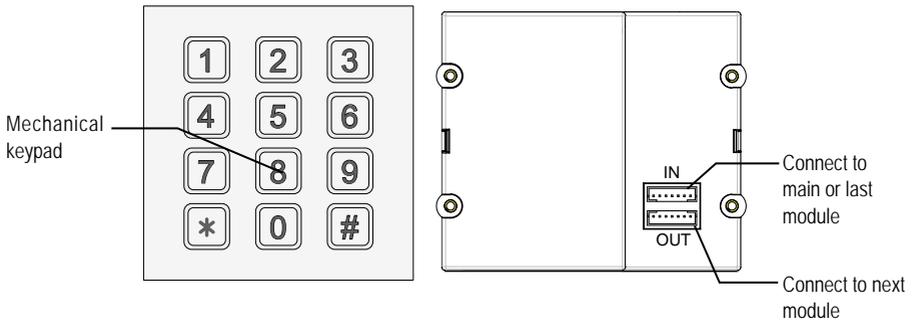
## Call monitor

Press digital button to input room number / address, press "#" button to activate the call.

## Unlock

### 1. Setup private code on monitor:

On monitor, press **"Settings"** -> **"Manage"** -> **"Private Code"** ,and input 4digits private code.

### 2. Unlock using private code:

On MK module, input "Call_Nbr + Private code" to unlock.
For example:
Monitor Call_Nbr settings as below:
Device_Addr: (SS)5, Private code: 6363
On MK module, input 56363 to unlock.

## 2. DR Module
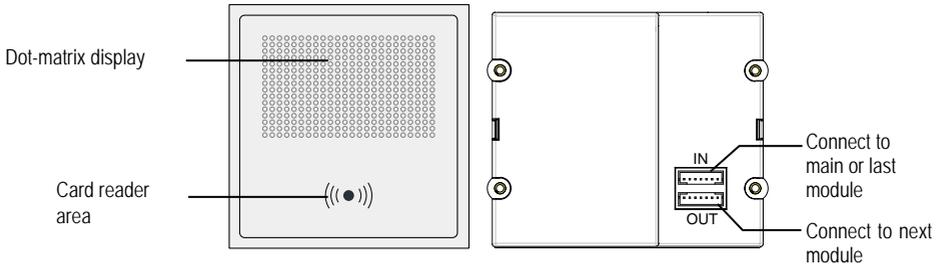


**Dot-matrix:** 16 x 24 dot matrix display.

**Card Reader:** support 125KHz and 13.56MHz unencrypted RFID tag.

### Features

- Management via monitor
- The distance of card reading is from 3 to 5 cm

### Card Operation

1. Setup private code on monitor:

On monitor, press "settings" -> "Manage" -> "Private code", and input 4 digits unlock code.
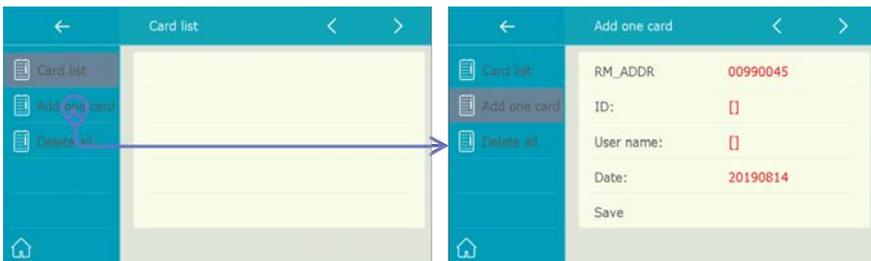


RM_ADDR, current monitor address read only

ID_input 10 digits card number for new card, must.

User name: card's name, not essential.

Date: add date, not essential.

2. Unlock using private code

On DR module,  Swipe register card on card reader window of door station to unlock.

# 6. Specification

- Power Source:             Power-over-Ethernet (IEEE 802.3af Class 0)
- LAN Interface:            10 BASE-T / 100 BASE-TX Ethernet (RJ-45)
- Camera:                   Type 1/3.7" Ultra Sense, ISP with 77dB WDR
- Len angle:                170 degree with Fisheye correction
- Minimum illumination:     5 lux
- Card Reader:              Support 125KHz and 13.56MHz unencrypted
                            RFID tag
- Unlock Power output:      12Vdc,250mA
- Wire Type:                Cat-5e or Cat-6
- Wiring Distance:          100m (Approx. 330')
- Operating temperature:    -10 to +50 (oC)
- Protection:               IP65;
- Dimension:                316(H)×133(W)×48(D)mm(3 GANG)
                            232(H)×133(W)×48(D)mm(2 GANG)

# 7. Wiring

# Note

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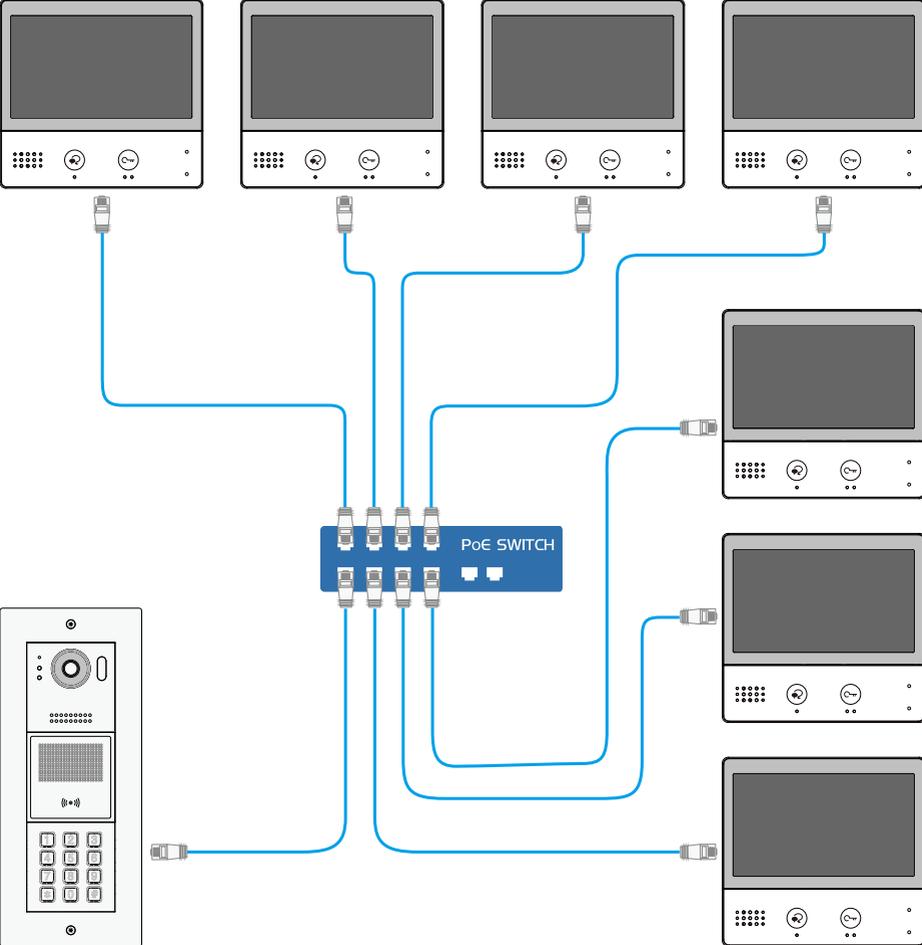
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