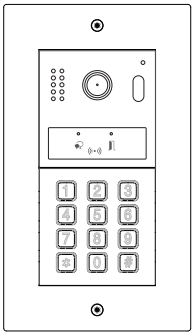
English

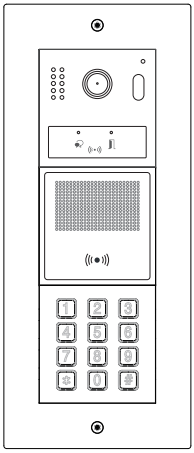
# DPC-D2D81

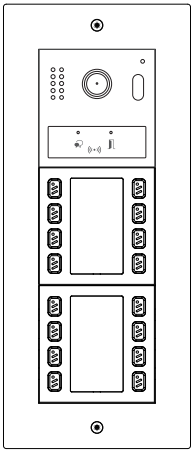
## Door Station

2-wire Fisheye Camera
Modularity Outdoor Station

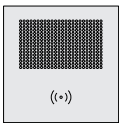
## Quick Installation Guide





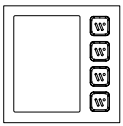


DPC-D2D81-C
(VD module)

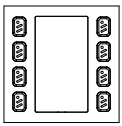


DPC-x81-ID
(DR module)

DPC-x81-K
(MK module)

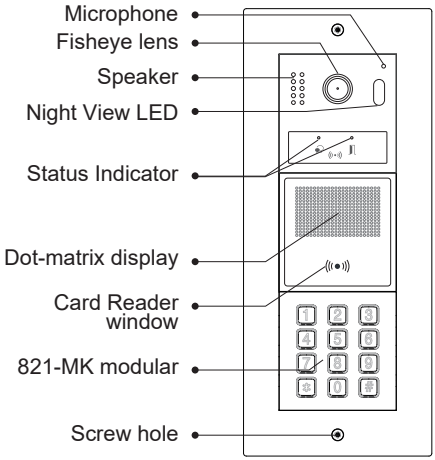


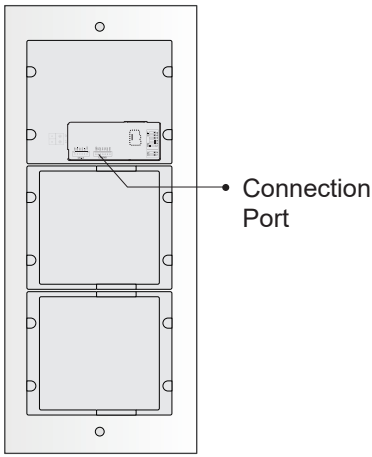
DPC-x81-x4BM
(M4 module)

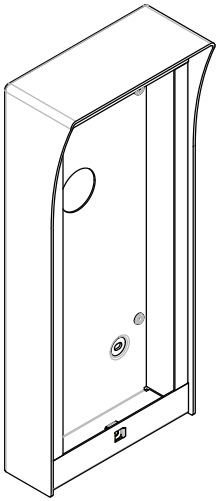


DPC-x81-x8BM
(M8 module)

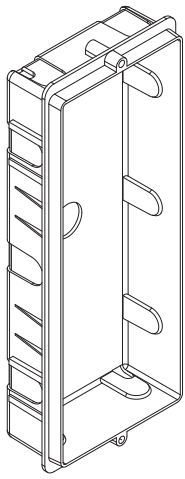
# 1. Parts and Functions



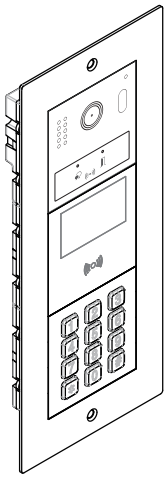



Surface mount box

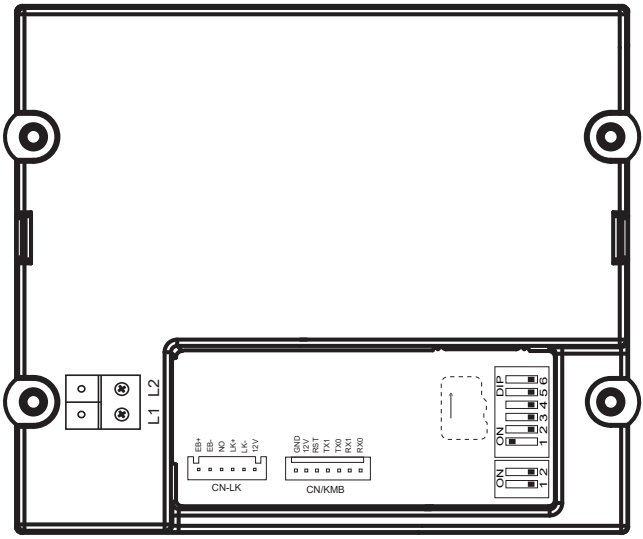


Embedded box



Front panel

## 2. Terminal Description



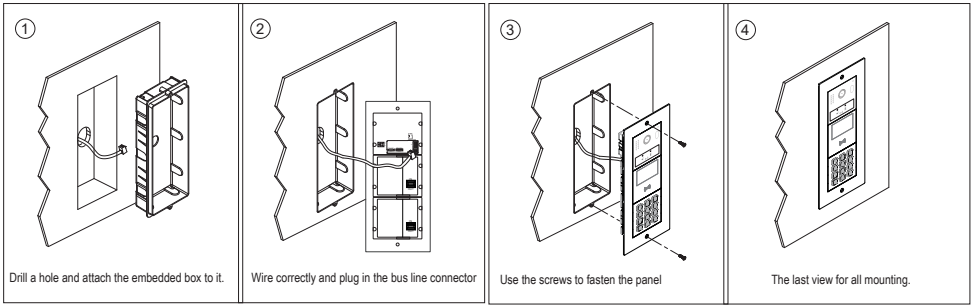

- **CN-LK:** Electric lock and exit button connection port.
  12V: 12V DC power output.
  LK-: power ground.
  LK+: common contact of the relay.
  NO: normally open contact of the relay
  EB+: exit button positive connection port.
  EB-: exit button negative connection port.
- **DIP1:** DIP switches for system confgurations.
- **DIP2:** Reserved.
- **CN/KMB:** Call button module / Mechanical keypad module / DR module connection port.
- **Bus(L1,L2):** Non-polarity bus line,connect to power comb unit.

## 3. Specification

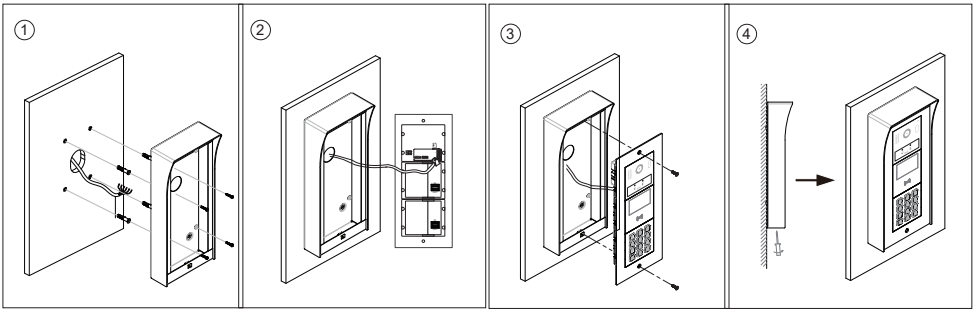
| | |
|---|---|
| Power supply: | DC 20~28V |
| Camera: | 1/2.7'' fisheye camera,170° wide angle |
| Power Consumption: | 2W in standby ; 2.8W in working |
| Card Reader: | Support 125KHz and 13.56MHz unencrypted RFID tag |
| Unlock Power output: | 12Vdc,250mA |
| Unlock timing: | 1~99s |
| Working temperature: | - 20ºC ~ +55ºC |
| Wiring: | 2 wires (non-polarity) |
| Dimension: | 316(H)×133(W)×48(D)mm(3 GANG) |
| | 232(H)×133(W)×48(D)mm(2 GANG) |

## 4. Mounting

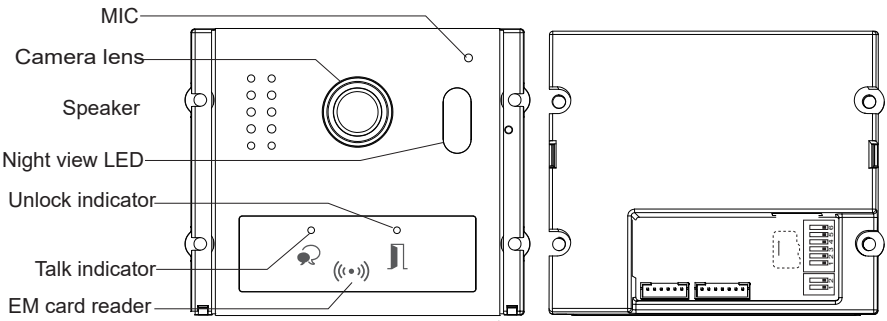
### Flush mounting




### Surface mounting

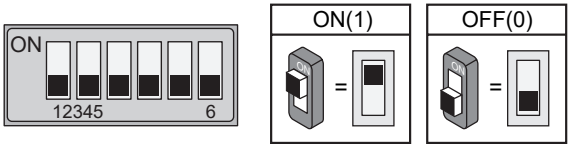


# 5. VD Module




### *(1) DIP1 Switches Settings*

Totally 6 bits can be configured by dip-switch. All switches can be modified either before or after installation, please restarting the power whenever the switches have been modified.




**• Bit-1 and Bit-3 are used for door station ID settings.**

When multi door stations are installed in the system, these two bits must be set correctly

!!The system must and can only have one door station in address1, and address 1 is a default setting, without correct settings of the address the system will not work!!

The address setting need to repower to apply, suggest set when power is off.

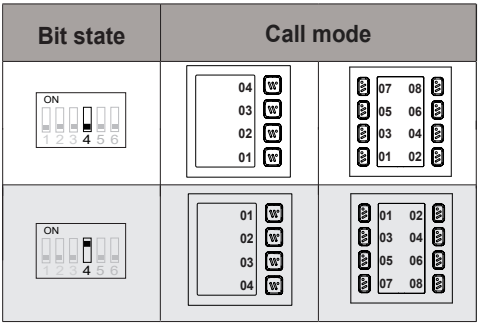
| Bit state | DS ID | Bit state | DS ID |
|---|---|---|---|
| | DS 1 | | DS 5 |
| | DS 2 | | DS 6 |
| | DS 3 | | DS 7 |
| | DS 4 | | DS 8 |

**• Bit-4 is used for setting the system type.**

0 is the default setting,and the default system type is 1 APT. If set to 1,the system type is Hybrid.

**• Bit-5 is used for set button values in positive or reverse order.**

When set to 0,the button values are in reverse order; when set to 1, the button values are in positive order.

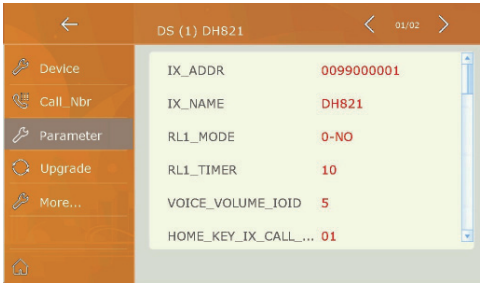



**• Bit-6:** when set to 0, use with single row button module, when set to 1, use with double row button module.

## *(2) Parameters Setting*

**Set the parameters of DPC-D2D81 via monitor**

On monitor, press “Settings” -> “Installer ” -> “Onsite tools” -> Select the DPC-D2D81 door station->“Parameter”




IX_NAME:Set the name of the DPC-D2D81 Door station

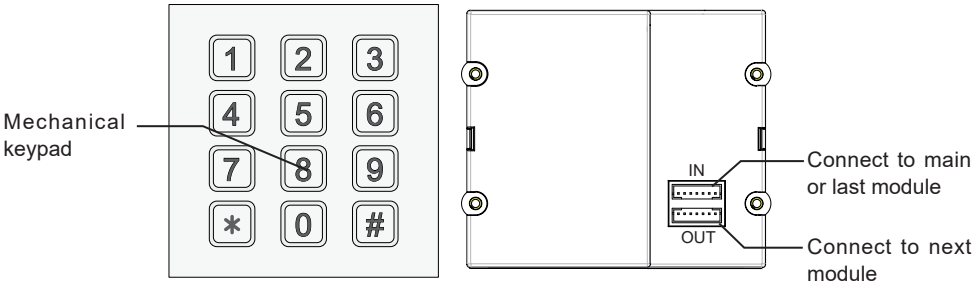
RL1_MODE:Set the lock mode.0-NO means normally open, 1-NC means normally closed

RL1_TIMER: number of seconds for unlock timing. 0-99.

VOICE_VOLUME_IOID:input volume for prompt 0-9.

# 6. Module

## *MK Module*




**Call monitor**

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

**Unlock**

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

**1. Setup unlock code on monitor:**

On monitor, press “Settings” -> “Manage” -> “Unlock Code” , Select the DPC-D2D81 door station. Tap the desired code to modify.

**2. Add more private unlock code**

In unlock code management page. Tap “More...” and input management password (default is “1234” ) to add private unlock code.

Tap “Add New” to add a new private code.

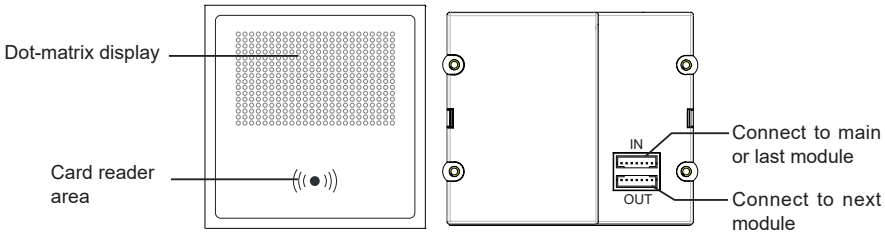
**3. Unlock using unlock code:**

On MK module, input “# + Unlock code” to unlock.

For example:

On MK module, input “#1111” to unlock.

## *DR Module*




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

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

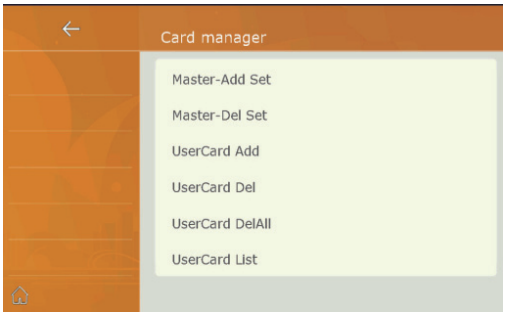
## *Features*

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

## *Card Operation*

- **Add card on monitor**

On monitor, press “Settings” -> “Manager ” -> “Card manager”-> Select the DPC-D2D81 door station When adding a card, you can manually input the card number or swipe the card to be added on the DR Module of the door station, and the card data will be automatically synchronized to the input area.



Master-Add Set :Add Manage ADD card

Master-Del Set : Add Manage DELETE card

UserCard Add:Add a user card

UserCard Del:Delete a user card

UserCard DelAll:Delete all user cards

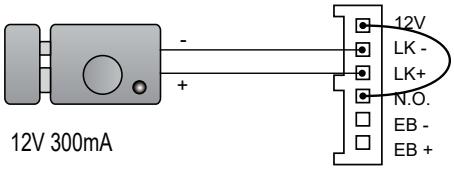
UserCard List:View the list of user cards

## 7. Electric Lock Connection

### *Door Lock Controlled with Internal Power*

Note:

1. This mode only supports electromagnetic locks.
2. Electromagnetic lock of Power-off-tounlock 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 0-NO (by default).




set to Normally open on the Unlock Relay mode

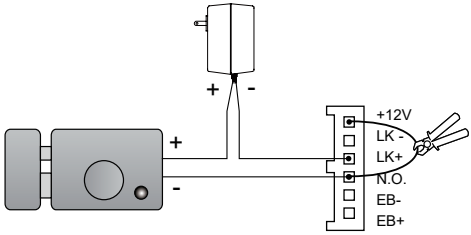
## *Door Lock Controlled with Dry Contact*

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-NO (by default)

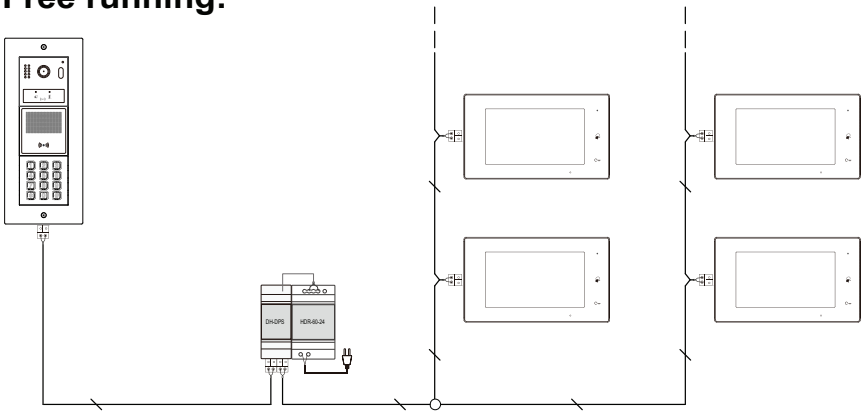
• Power-off-to-unlock type:Unlock Mode=1-NC



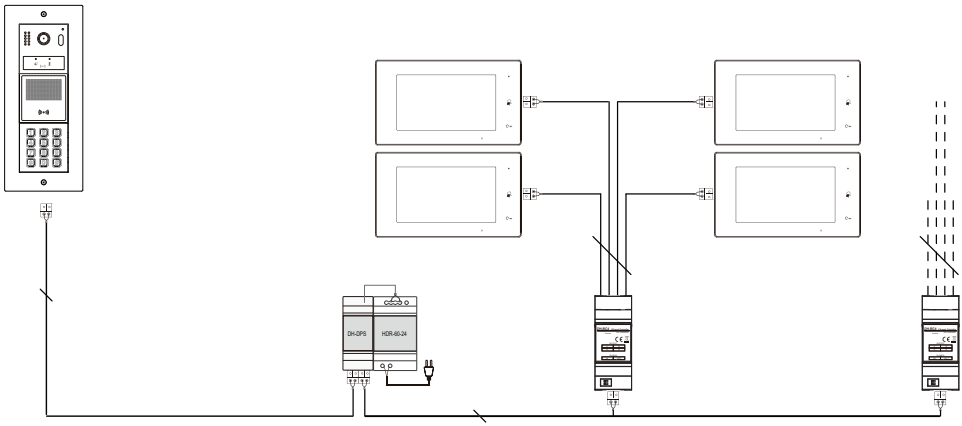

set to Normally Open on the Unlock Relay mode (default)

# 8. Wiring

## Free running:




## Structured cabling :



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