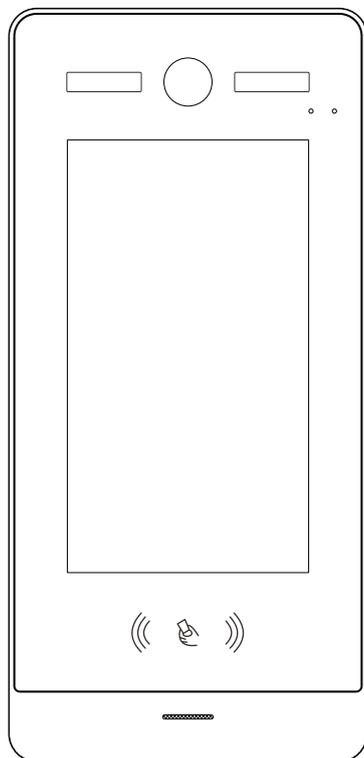


# GPV-B300MMF

## 2 leder bus, multiuser manual



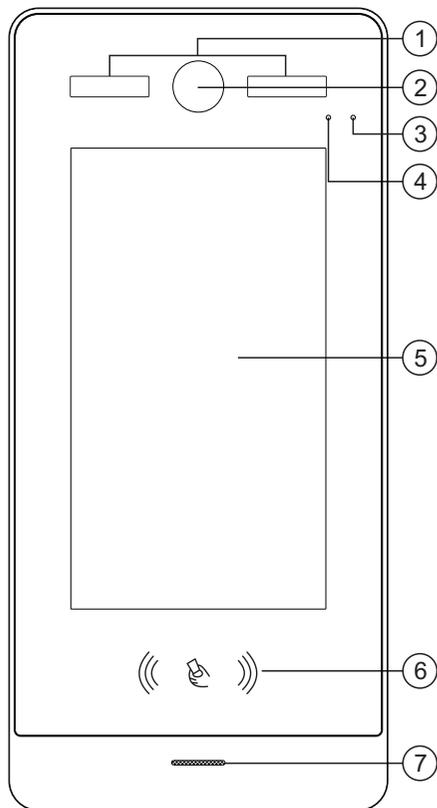
- Thank you for purchasing our products.
- The products are subject to change without prior notice.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.
- Please carefully read this User's Guide (in particular, precautions for safety) before using a product and follow instructions to use a product exactly.
- The Guide is for reference only. If there is inconsistency between the Guide and the actual product, the actual product shall prevail.

**GUARDEON SECURITY SYSTEM**

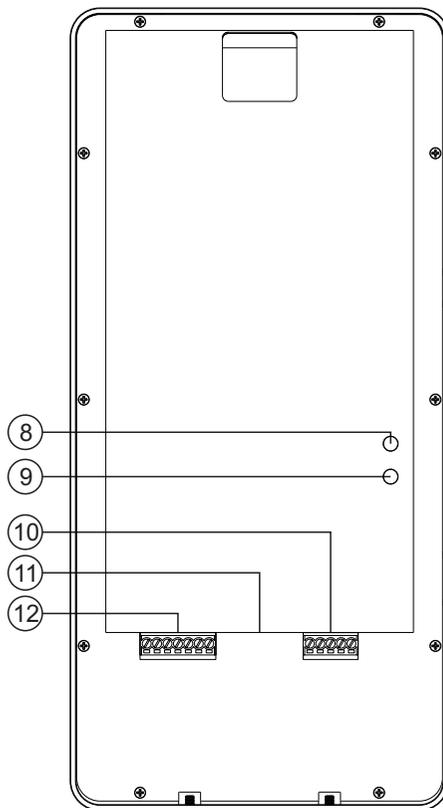
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## Product Information



**FRONT**



**REAR**

① Night vision

② Camera

③ Indicator light

④ Microphone

⑤ Display

⑥ Card read area

⑦ Speaker

⑧ Reset button

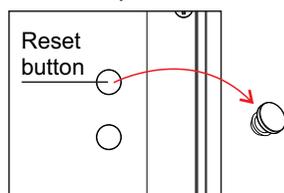
⑨ Anti-tamper button

⑩ ⑫ Terminal

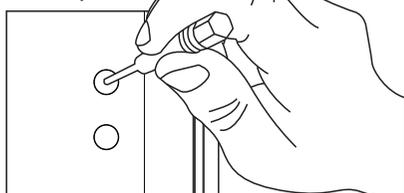
⑪ LAN

Long press the **RESET** button for 5 seconds, the device will reboot automatically.

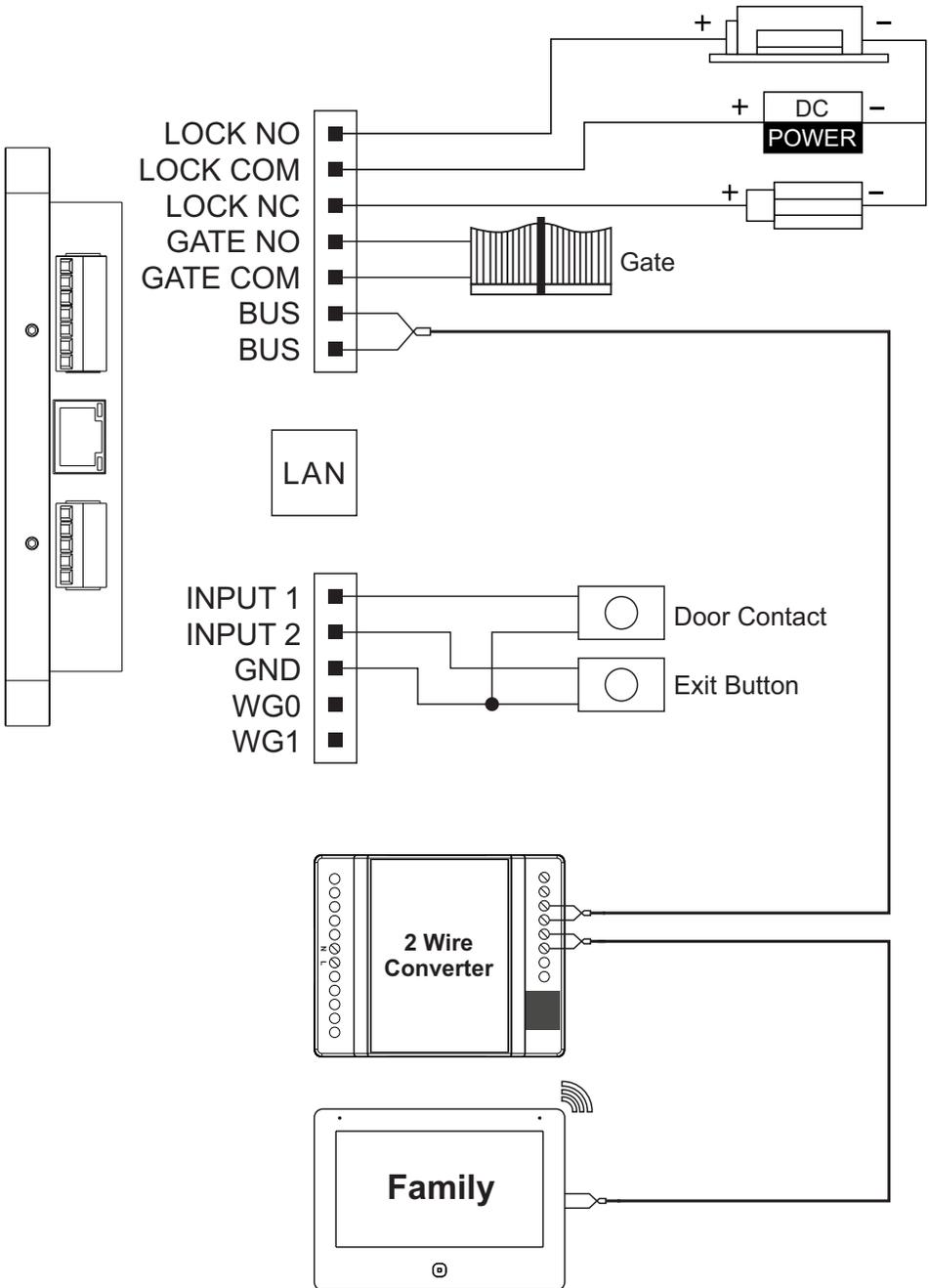
**Step 1**



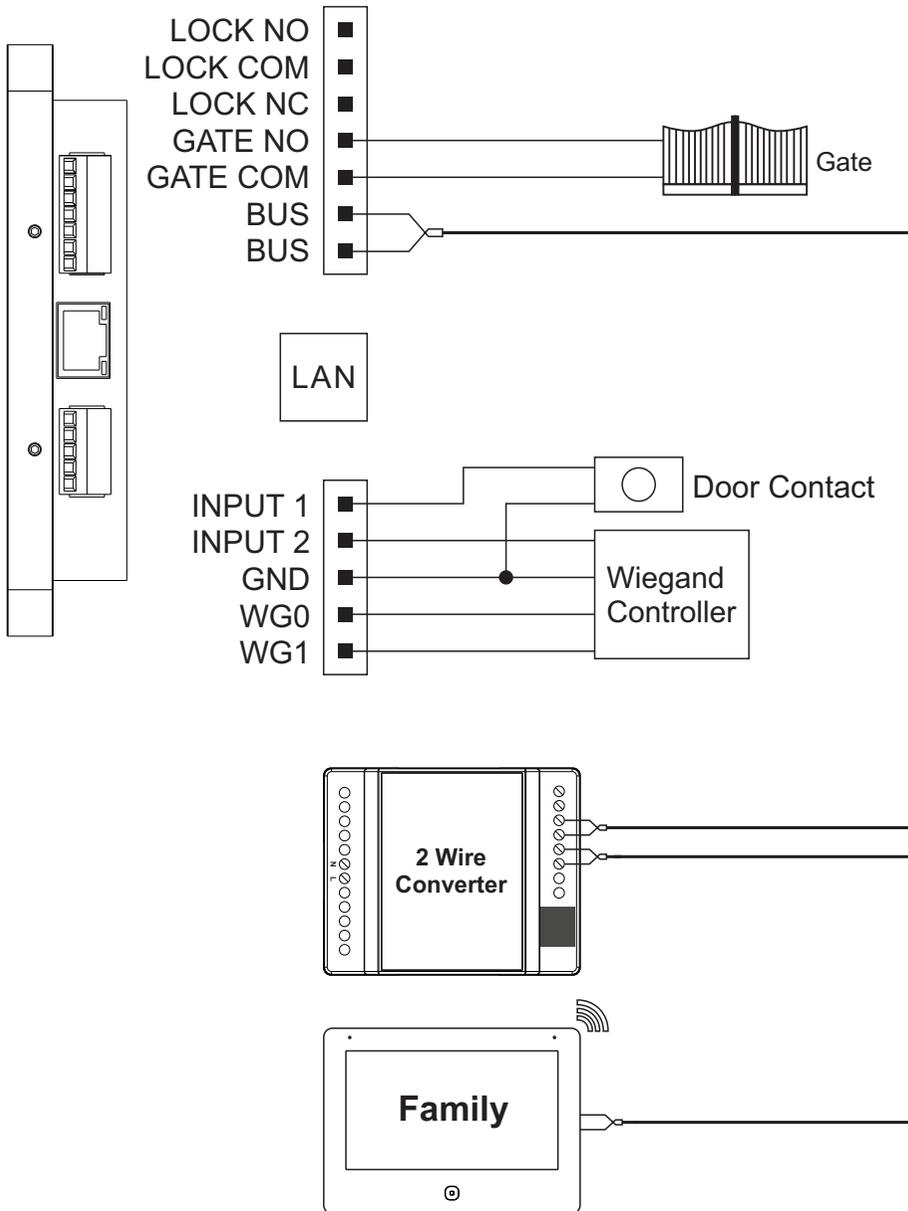
**Step 2**



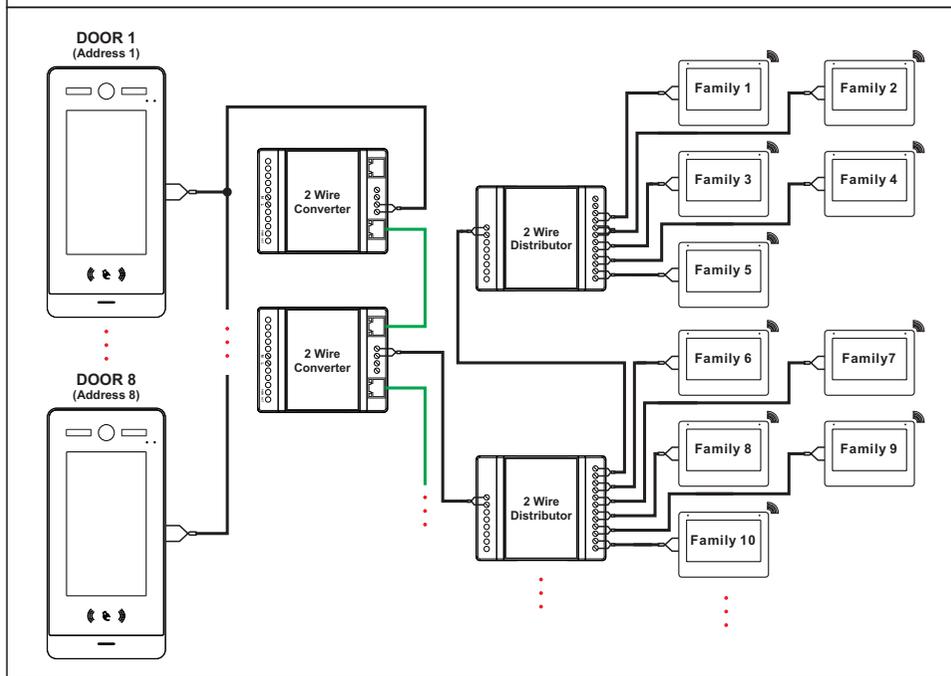
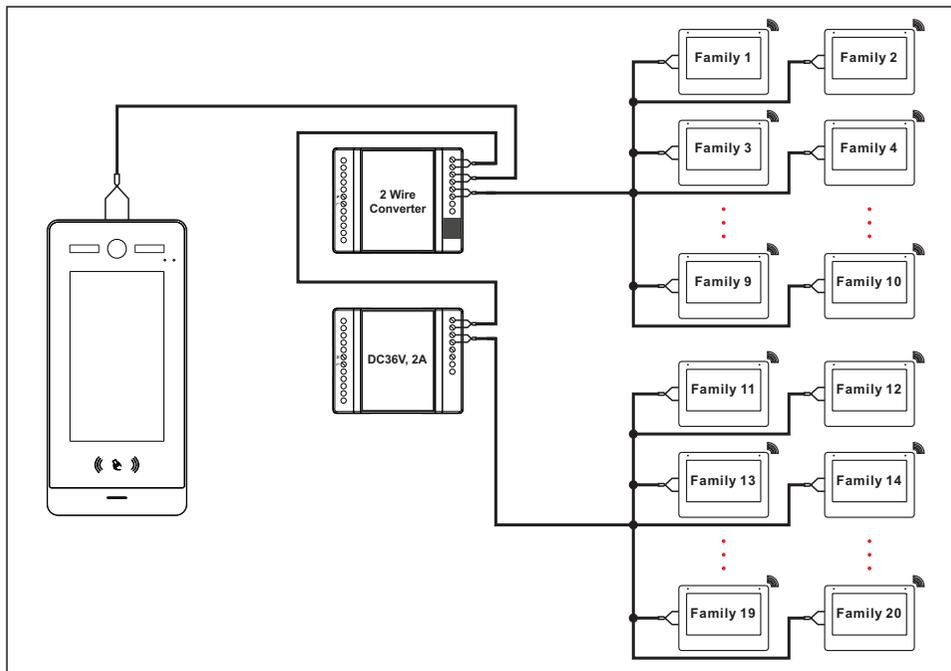
# Wiring diagram



# Wiring diagram - Wiegand output



# System wiring diagram

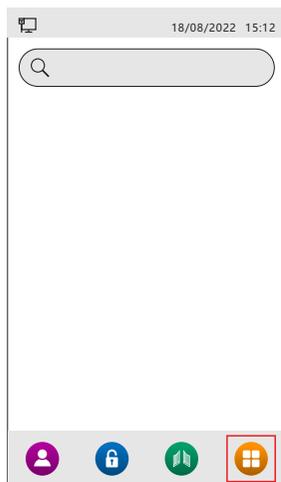


## Outdoor panel operation

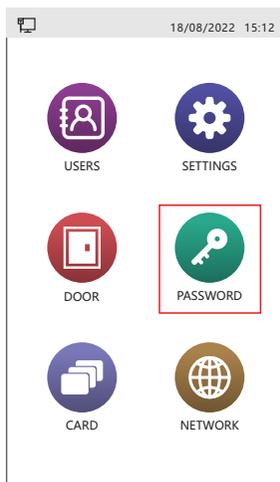
### 1. Password setting

It is recommended to change default passwords immediately and choose a strong password. Regularly change the password to your panel to help ensure that only authorized engineer are able to access the system.

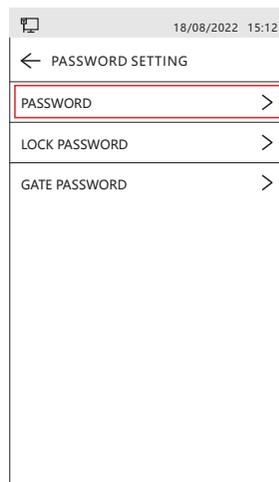
Default management password: 000000



Picture 1



Picture 2



Picture 3

**NOTE:** If you forget the password, first remove the rubber plug at the reset button of the outdoor station, then use a screwdriver or other tools to long press the reset button inside for 5 seconds until the outdoor panel reboots, and the reset is complete.

### 2.1 Adding outdoor panel to indoor monitor

**Before configuration, make sure the monitor is in the same network segment as the panel.**

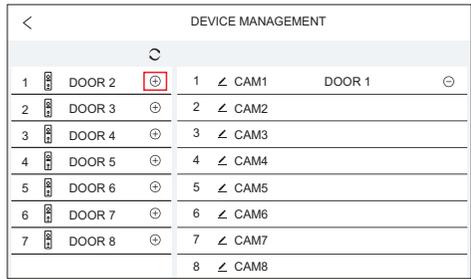
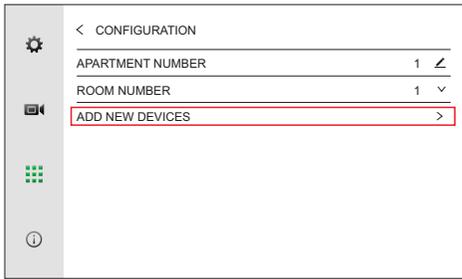
The default address of the panel is 1.

Only the panel address is 1 can have more management permissions.

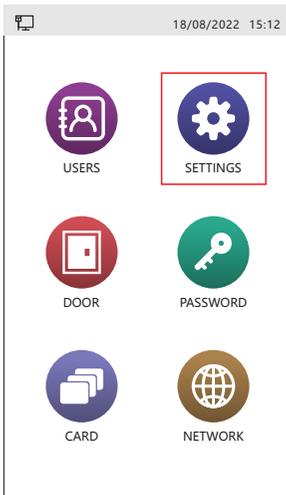
1. If only one panel is connected, the panel will be automatically added to all indoor monitor.
2. If multiple outdoor panels are connected, you can add outdoor panel separately to each indoor monitor or you can add all outdoor panels to monitor in the No.1 outdoor panel.

Step 1: Set the panel address from 2 to 8 accordingly.

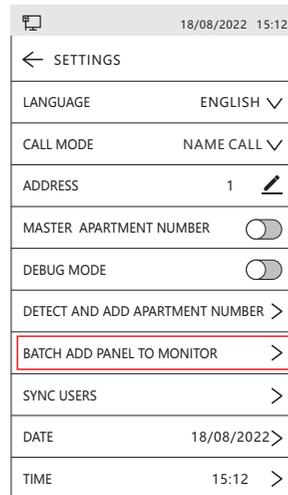
Step 2: On the Indoor Monitor, enter  of indoor monitor, click , then click **CONFIGURATION** → **ADD NEW DEVICES**. select the target door panel to add. Please see below pictures:



Step 3: Click **BATCH ADD PANEL TO MONITOR** of outdoor panel No.1, then outdoor panels No. 2-8 will be added to the indoor monitors within the same local area network.



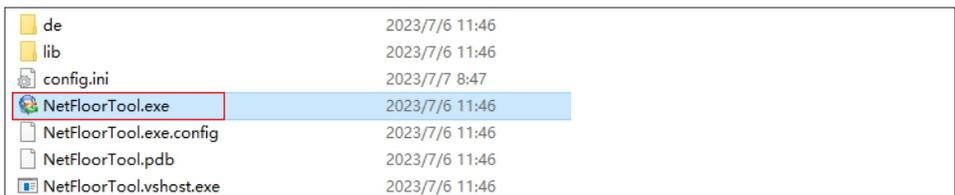
Picture 1



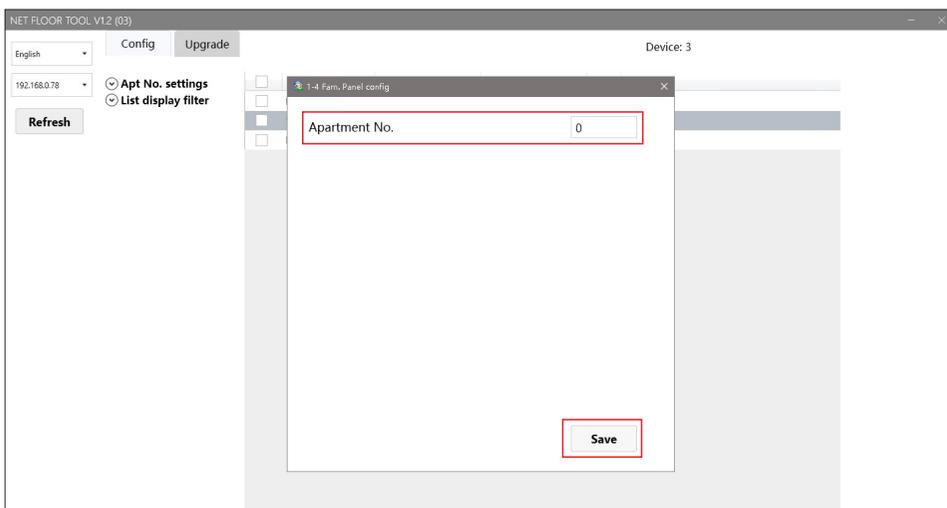
Picture 2

## 2.2 Adding second private outdoor panel to indoor monitor

1. Connect the outdoor panel, indoor monitor, second private outdoor panel and computer in the same local area network.
2. Select **Net Floor Tool** as below, right-click the mouse, select Run as an administrator.



3. Click **Refresh**, the IP address of the outdoor panel and indoor monitors in the same local area network will display in the list.
4. Click **Config** followed **Apartment No.** of second private outdoor panel, then input the **Apartment No.** and click **Save**, then the outdoor panel will automatically reboot. After reboot, the outdoor panel is already added to the monitor.



### 3. Apartment number setting

This system supports two intercom modes: **KEYPAD** intercom and **NAME CALL** intercom.

#### 3.1 KEYPAD intercom operation

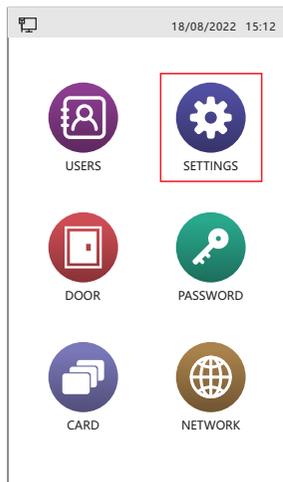
##### 3.1.1 Panel setting

Step 1: Click , input management password.

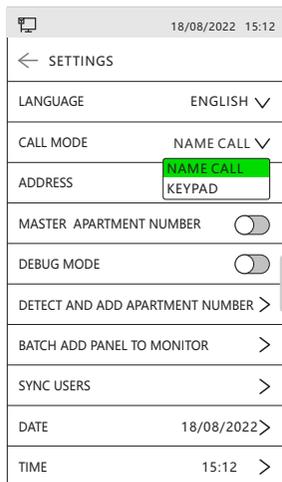
Step 2: Select **ADDRESS** to 1.

Step 3: Click **CALL MODE**, select **KEYPAD**. See picture 2.

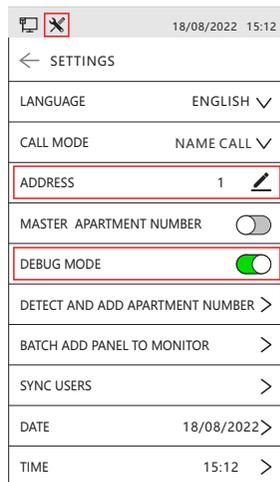
Step 4: Turn on **DEBUG MODE**. See picture 3.



Picture 1



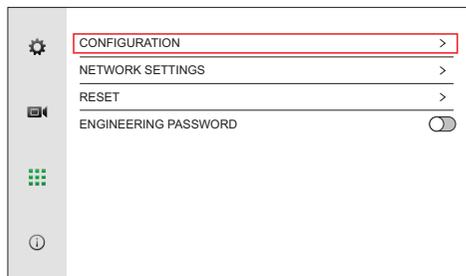
Picture 2



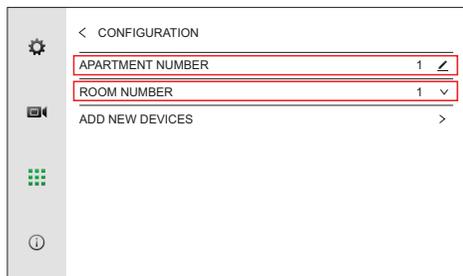
Picture 3

### 3.1.2 Set apartment number

Enter the setting interface of indoor monitor, configure **ROOM NUMBER** first, the master monitor must be set to 1, and the extensions can be set to 2/3/4... ; Then configure **APARTMENT NUMBER**, the **APARTMENT NUMBER** can be set from 1 to 9999, After the **APARTMENT NUMBER** is set, the monitor will automatically reboot. you can use the same ways to set another monitor.



Picture 1

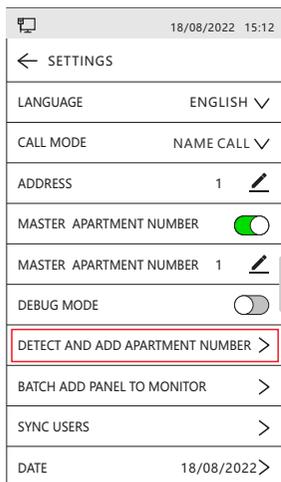


Picture 2

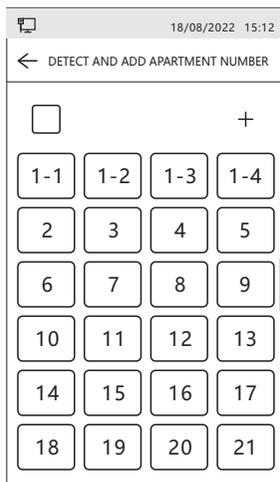
Turn off **DEBUG MODE** to exit **DEBUG MODE** of **SETTING** of panel after set all room numbers.

### 3.1.3 Verifying configuration

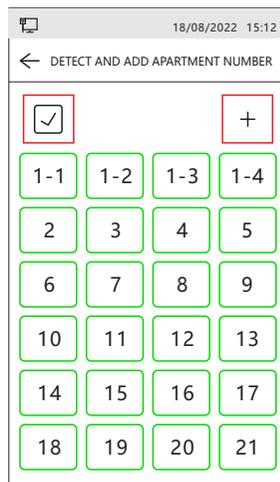
Click **DETECT AND ADD APARTMENT NUMBER**, the apartment number interface is displayed. Duplicate apartment numbers are not allowed, and each apartment number cannot be the same. Click  , select all apartment numbers, click + , add the selected apartment number to the users list.



Picture 1



Picture 2



Picture 3

## 3.2 NAME CALL operation

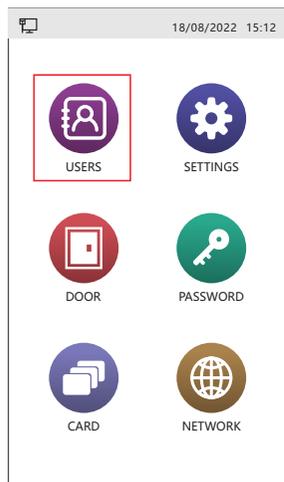
### 3.2.1 Do the same setting way of the KEYPAD intercom setting.

### 3.2.2 Adding user name in the panel

Enter **USERS**  in the panel, click + , input user name and apartment number and SIP number, click ✓ , the user will be saved successfully. Repeat to add other users.

Remark:

1. On the **USERS** interface, enter the user name or indoor apartment number in the search box to search for users.
2. Click  to modify the user name and apartment number and SIP number, click ✓ to save.
3. Click  to delete the user.



Picture 1



Picture 2



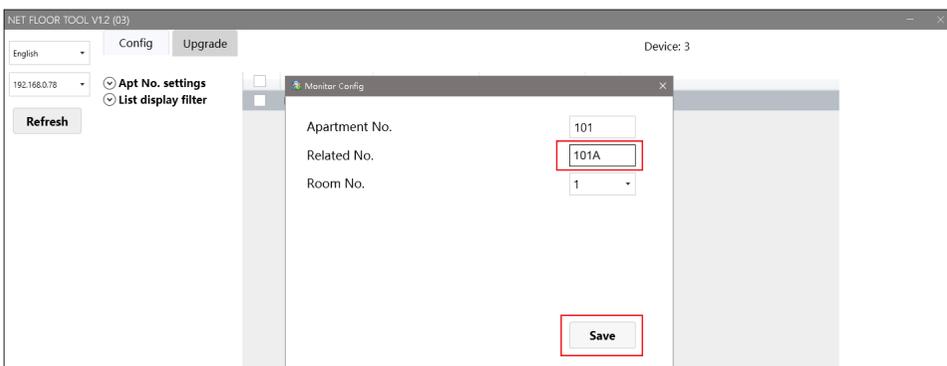
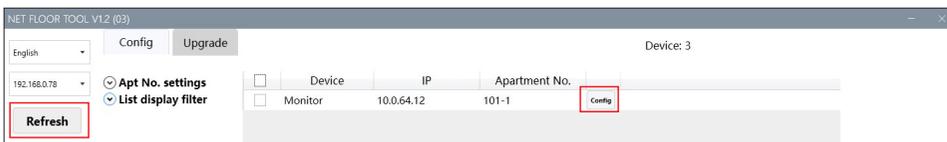
Picture 3

### 3.2.2 Configure related number

1. Enter **USERS**  in the panel, click **+**, input user name and apartment number, click , input related number, click  to save.
2. Select **Net Floor Tool**, right-click the mouse, select Run as an administrator. Click **Refresh**, then click **Config**, input **Related No.** of indoor monitor, click **Save**.

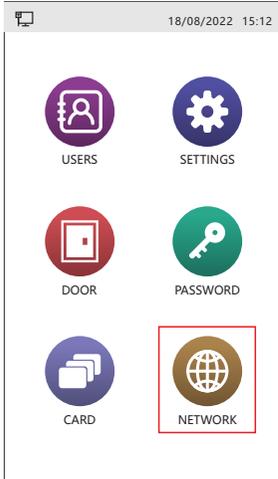
Remark:

1. It is necessary to configure the **Related No** of the indoor monitor on both the outdoor panel and the **Net Floor Tool**.
2. When input the **Related No.**, it must be numbers + uppercase English Letters (Eg:101A).

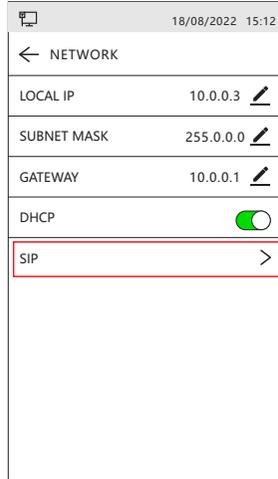


## 4. Register SIP

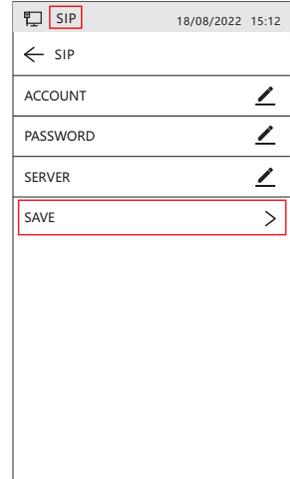
Click , then click **SIP**, input **SIP ACCOUNT, PASSWORD, SERVER**, click **SAVE**, if registered successfully, the **SIP** word will be shown in the upper left corner.



Picture 1



Picture 2



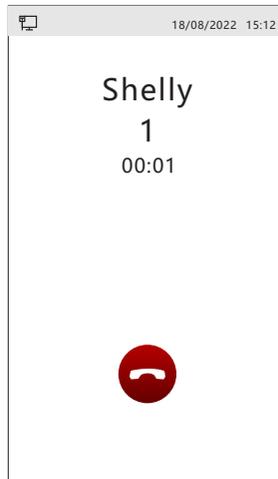
Picture 3

## 5. SIP Intercom and Unlock

1. After registered SIP successfully, click the user name to call or input apartment number, click  to call the user.
2. After the user answered by the phone, you can unlock through the digital keyboard: lock password + # open the lock, gate password + \* open the gate.



Picture 1



Picture 2



Picture 3

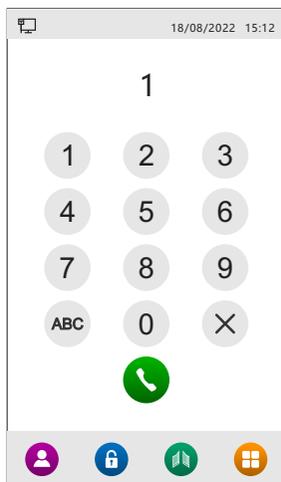
## Calling monitor from panel

### 1. Calling user monitor

- After the installation and configuration is complete, click the user name to call or input apartment number, click  on the outdoor panel to call the indoor monitors.
- During video communication, you can choose  to reject the call.
- If the target user does not exist or offline, **NOT FOUND** will be shown on the screen and hung up automatically.



NAME CALL



KEYPAD



INTERCOM

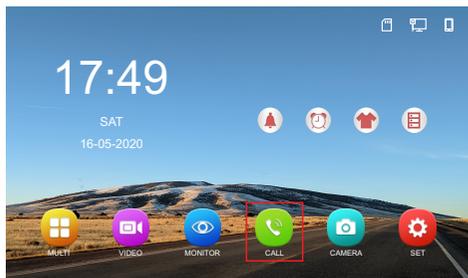
### 2. Calling master monitor

On the outdoor panel touch  for quick calling MASTER monitor.

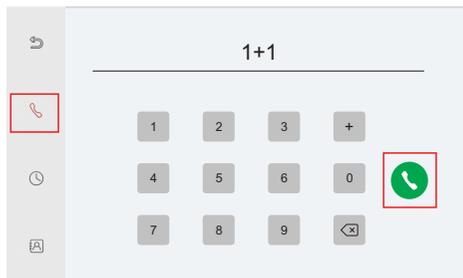
## Calling between indoor monitors

Click  on the main interface to enter the dial keyboard interface.

- Call extension monitor: Enter the extension room number directly. Call "0" means to call all extension monitors.
- Call apartment user: Enter "1+" user's apartment number.
- Call master monitor: 1+0



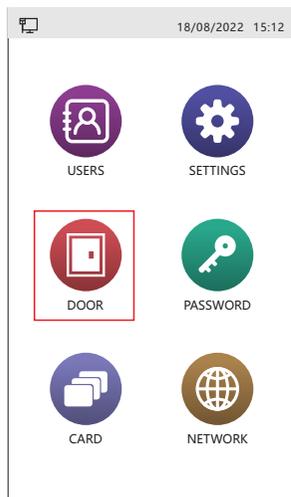
Picture 1



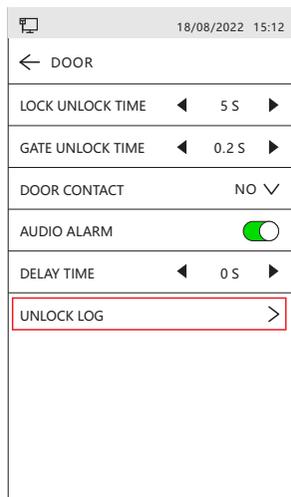
Picture 2

## Door setting

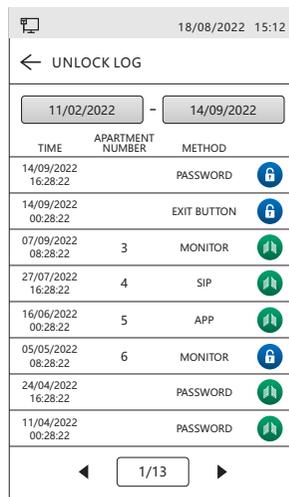
The system management page is displayed. Select , and set the unlocking time and door status sensor.



Picture 1



Picture 2

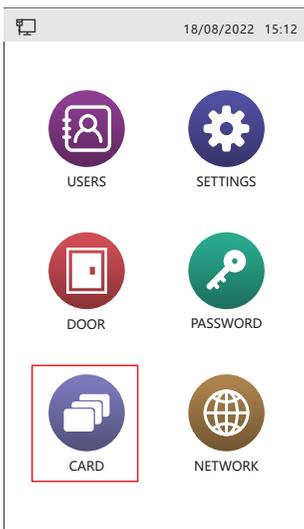


Picture 3

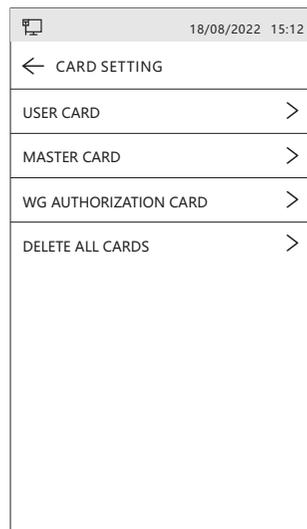
NO.	Setting item	Selection	Note
1	UNLOCK TIME	1S-20S	The unlocking time can be set to 1S to 20S. The default unlocking time is 5S.
2	GATE UNLOCK TIME	0.2S-5S	The GATE unlocking time can be set to 0.2S to 5S. The default unlocking time is 0.2S.
3	DOOR CONTACT	NO/NC	Can connect the door magnetic sensor (NO/NC) : detect the opening and closing state of the door. When the door is opened, the outdoor panel and the indoor monitor will show the door is open.

NO.	Setting item	Selection	Note
4	AUDIO ALARM	OFF	The outdoor panel does not detect if the door is open.
		ON	If the door is open after the open set time, the door station will alarm with beep sound.
5	DELAY TIME	OFF	The outdoor panel will not alarm if it detects that the door is not closed.
		0S-99S	Once the door is open, the door station will detect the door state after it reaches longest door open time including unlock time.
6	UNLOCK LOG		

## Card management



Picture 1



Picture 2

NO.	Setting item	Selection	Note
1	USER CARD	REGISTER	Input the user apartment number, swipe RFID card at reader area of panel. The card can be registered successfully after a beep. The user cards can be added in sequence. Same card can not be registered in the same apartment number.

NO.	Setting item	Selection	Note
1	USER CARD	DELETE	1. Enter the apartment number and click ✓ to delete all user cards under this apartment number. 2. Swipe the user card directly in the swipe area and delete the user card separately.
		SYNC CARDS	Sync user cards to other panels.
		DELETE ALL CARDS	Delete all user cards.
2	MASTER CARD	REGISTER	Swipe RFID card at reader area of panel. The card can be registered successfully after a beep. The master cards can be added in sequence.
		DELETE	Swipe the master card directly in the swipe area and delete the target card.
		DELETE ALL CARDS	Delete all master cards.
3	WG AUTHORIZATION CARD	Add a wiegand authorization card to unlock from monitor or APP if panel connect to wiegand controller.	
4	DELETE ALL CARDS	Delete all cards, including user card, master card, wiegand authorization card.	

- NOTE:** 1. The panel will beep once when it detects the card.  
2. Each card has 60 seconds of swiping time, and will automatically exit when it expires.

## Wiegand controller

The door panel is only used as a wiegand card reader.

The lock is controlled by the wiegand manager device.

It is necessary to register a card that has been registered on the wiegand manager device as a manager card to realize the indoor monitor or APP unlocking control.

**Add wiegand card:** Enter setting interface, select , select **WG AUTHORIZATION CARD**, and swipe any user card that has been registered on the wiegand card reader. When prompted , it means that the authorization card has been added successfully.

## Unlock operation

### 1. Unlock from indoor monitor

During the conversation, the user clicks the **LOCK** to open the door, clicks the **GATE** to open the gate.



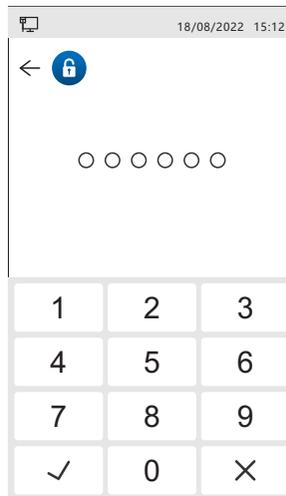
### 2. Password unlock

A. Door Unlock: Default UNLOCK password: 123456.

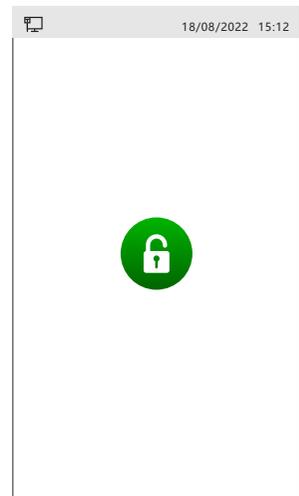
Click  , Input password to unlock the door.



Picture 1



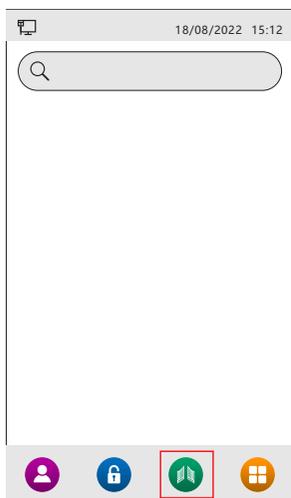
Picture 2



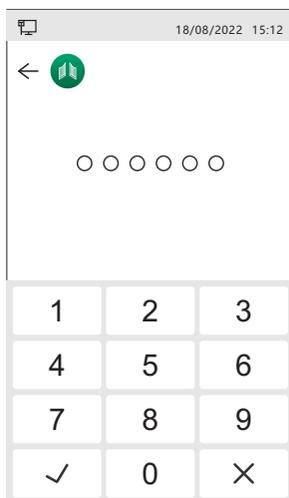
Picture 3

B. Gate Unlock: Default GATE UNLOCK password: 123456.

Click  , Input password to unlock the door.



Picture 1



Picture 2



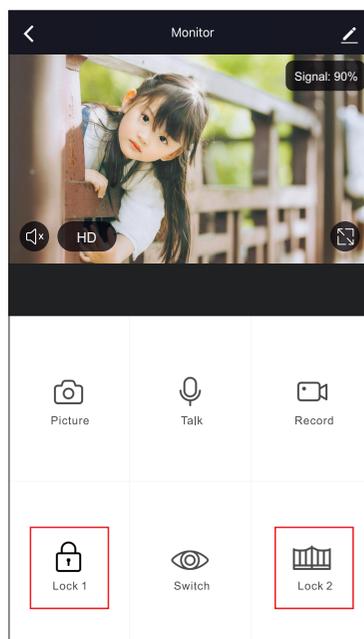
Picture 3

### 3. RFID unlock

1. Swipe RFID on the outdoor panel to open the lock.
2. Gate unlock: click  and then put the card on the panel to open the gate.

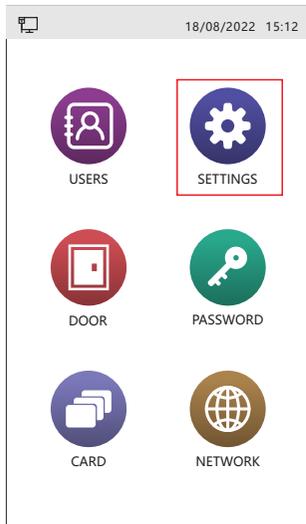
### 4. APP unlock

During intercom interface of APP, click **Lock 1**, and the door will be opened. Click **Lock 2** on the APP in Tuya Smart, and the gate will be opened.

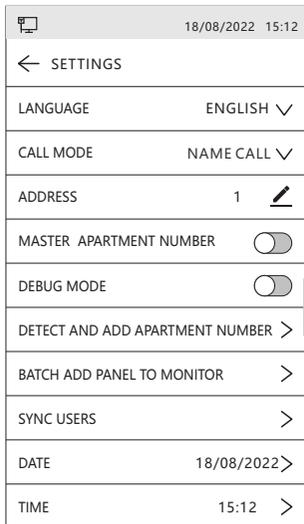


## System information

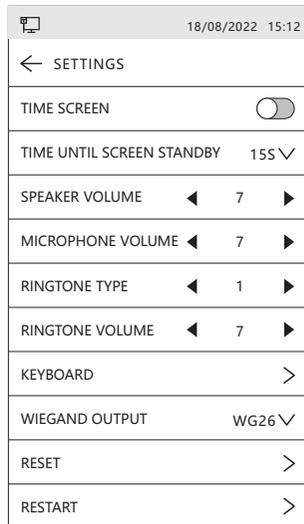
Enter Settings and set the local parameters. For details, see the following table.



Picture 1



Picture 2



Picture 3

NO.	Setting item	Selection	Note
1	LANGUAGE		Choose the right language as you like.
2	CALL MODE	NAME CALL	Click the user names to call the indoor monitors.
		KEYPAD	Input apartment numbers to call the indoor monitors.
3	ADDRESS		The address of the panel can be set to 1-8. If you use multiple panels, the address of the master panel should be "1"
4	MASTER APARTMENT NUMBER	ON	APARTMENT NUMBER can be set 1 to 9999, 0 is not allowed.
		OFF	
5	DEBUG MODE		APARTMENT NUMBER can be set only when the DEBUG mode is on.
6	DETECT AND ADD APARTMENT NUMBER		Detect the apartment number. Only the existing apartment number can be called. Repeated apartment numbers are not allowed.
7	BATCH ADD PANEL TO MONITOR		Outdoor panels No. 2-8 will be added to the indoor monitors within the same local area network.
8	SYNC USERS		Sync users to other panels.
9	DATE		Set the date of the outdoor panel.
10	TIME		Set the time of the outdoor panel.

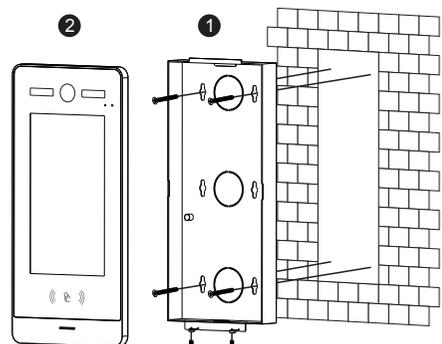
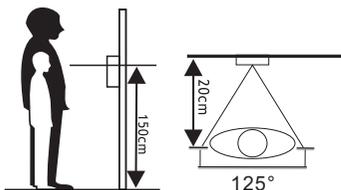
NO.	Setting item	Selection	Note
11	TIME SCREEN	ON	Time screen saver.
		OFF	Turn off time screen saver.
12	TIME UNTIL SCREEN STANDBY	Screen saver time setting, the default time is 15S, can be set as 15s-4h.	
13	SPEAKER VOLUME	0-9	Set the speaker volume 0-9.
14	MICROPHONE VOLUME	0-9	Set the microphone volume 0-9.
15	RINGTONE TYPE	1-13	Set the calling ringtone type 1-13.
16	RINGTONE VOLUME	0-9	Set the panel calling ringtone 0-9.
17	KEYBOARD	Keyboards in different languages are available.	
18	WIEGAND OUTPUT	WG26	Wiegand 26 output.
		WG34	Wiegand 34 output.
19	RESET	RESET SETTINGS	Except for users and registered user cards, all Settings are restored to default Settings.
		RESET FACTORY SETTINGS	All Settings are restored to factory Settings.
20	RESTART	Restart the panel.	
21	FIRMWARE VERSION		

## Installation guide

1. Please select the most suitable doorbell position, avoid direct sunshine to camera, dark surroundings, rain.
2. Determine doorbell installation height: suggest to be 1.5~1.6meters.
3. Dig a hole at the suitable height on the wall.
4. Secure the cartridge to the wall with screws M4x30 and expansion bolts.
5. Connect the cable through the wall and the embedded box to the door machine terminal interface.
6. Use allen wrench to install two machine screws into the two screw holes under the panel.
7. Turn on the power after finish the installation.

### Remark:

Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended.



## Specifications

Operation system	Embedded linux operation system
Display resolution	1024x600
Operation method	7" touch screen
Angle of view	H:125°, V:72°
Video compression standard	H.265 (default), H.264
Noise reduction	3D noise reduction
Supplement light	IR supplement
Video frame rate	Main stream: 1920x1080p, 720p, Sub stream: 640x360
Audio intercom mode	Full duplex
Gate	NO (MAX AC/DC30V 4A)
Lock control	NO/NC (MAX AC/DC30V 4A)
Wiegand 26/34 output	Support
Exit button	Support
Door contact input	Support
Tamper alarm	Support
Connection	2 wire BUS
RFID	13.56Mhz/Mifare/Supports ISO/IEC 14443 type A 106kb/s
	Number of cards supported: 10000
	Card reading distance: ≤2cm
Protection grade	IK07; IP65
Power supply	18-36V DC
Working temperature	-40°C to +60°C (-22°F to +140°F)
Working humidity	10%RH– 90%RH (non-condensing)
Product size	268x128x26mm

## Package contents



Panel



Manual

Flush mount  
box4xExpansion  
bolt4xM4x30  
fixing screwsHexagonal  
screwdriver2xMachine  
screw5P Connecting  
Terminal base7P Connecting  
Terminal baseSlotted  
screwdriver

### Note

- Thank you for purchasing our products.
- The products are subject to change without prior notice.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.
- Please carefully read this User's Guide (in particular, precautions for safety) before using a product and follow instructions to use a product exactly.
- The Guide is for reference only. If there is inconsistency between the Guide and the actual product, the actual product shall prevail.