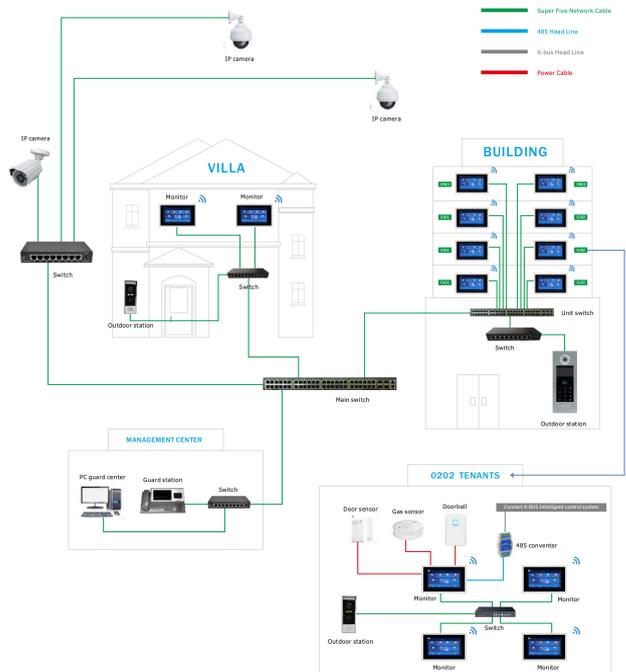




System Diagram



PIXELS CONNECT PTE LTD

OPERATION INSTRUCTION TCP/IP Video Doorphone

Outdoor Unit
User Manual



Analogue Camera, IP Camera
Dome & Bullet Camera
Hidden Camera
AK Camera
PTZ Camera



Panoramic Camera
4K Action Camera | Car Camera
Battery Camera
WiFi Door Bells
Hidden Camera



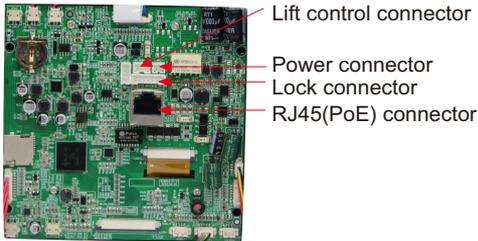
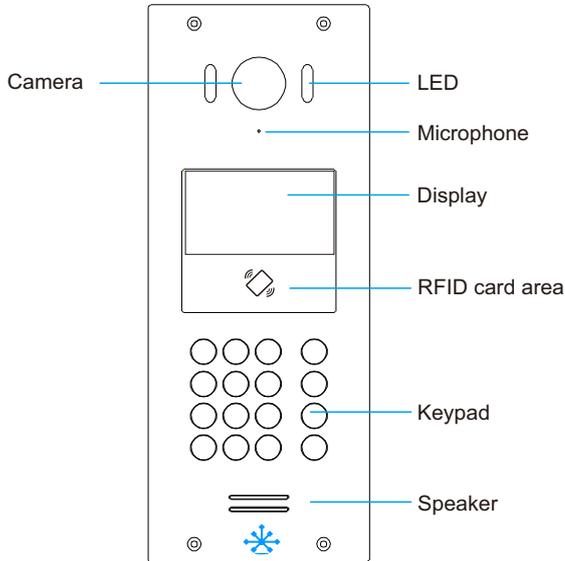
Fingerprint | Face | Card |
Access PIN Reader
Electromagnetic Lock
Exit Button | Break Glass
Video Door Intercom



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Appearance and Connection



1. Parameter

CPU	Cortex-A7 1GHZ
LCD	4.3"(480*272)
Camera	1.3 Mega pixel, Digital WDR
Speaker	8Ω 1W speaker
MIC	High sensitivity MIC
Video Resolution	1280*960
Video Code	H.264 high profile supper low bitrate
Frame Rate	1-25fps adaptable depends on network bandwidth
Audio Input/Output	Built-in Mic and speaker. support 2-way voice talk with echo cancellation
Peripheral	Mechanical key /Touch key
	Rj45
	Rs485
	Tamper alarm
	Human body sensor
	IC card
	Magnetic interface
	Exit button interface
Power Input	POE/12~15V DC input
Size	114*369*50mm

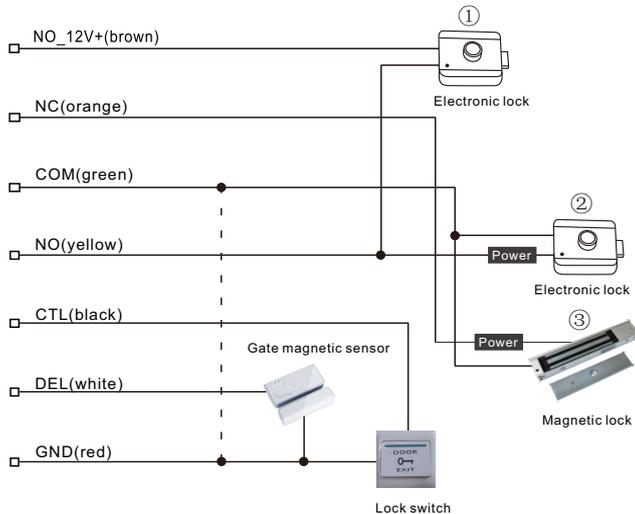
Elevator control interface

No.	Feet	Definition	Function	Remark
J2	1	RS485B	485B data	
	2	RS485A	485A data	
	3	GND	GND	

The lock controls integrated interface

No.	Feet	Definition	Function	Remark
J3	1	NO_DC12V(brown)	Power for electric lock	
	2	NC(orange)	Normal close	
	3	COM(green)	COM	
	4	NO(yellow)	Normal open	
	5	CTL(black)	Exit	
	6	DEL(white)	Door status detection	
	7	GND(red)	GND	

Lock control wiring diagram



2. Functions

2.1 Video intercom

Visitors enter the room number to call house owner for video intercom.

2.2 Help function

Door station can call the security booth or property center for help and advice.

2.3 Access unlock function

- 1). Password unlock function.
- 2). IC card unlock function
- 3). Visitors can call the monitors of house owner, the monitors can unlock the door remotely.
- 4). Ask for help from the security booth or property management center to open the lock.

2.4 Monitoring function

- 1). The owner can monitor the image of the door station through the indoor monitor, and can take photos and save them.
- 2). The security booth and property management center can view the monitoring situation of the current door station through remote monitoring.

2.5 Call elevator function

The user call the elevator to the residential floor through password unlocking and card unlocking.

2.6 Automatic remote upgrade of software

The door station automatically detects the latest software version information, and updates and upgrades it in real time.

2.7 Anti-demolition alarm function

When the human body is near the outdoor station, the screen and buttons of the outdoor station will be bright

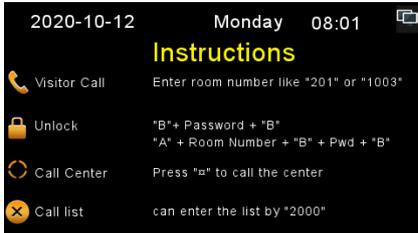
2.8 Customize the unlock time

Press the "circle key" within the set time range to unlock the lock directly.

3. Instruction

3.1 Main Interface

The main interface of the standby mode, including time and date display, whether the network is online or not, visitor calling password unlocking, call center and call list, as shown in Figure 3.1.1



Picture 3.1.1

Note: All instructions have text and icons on each interface of the device.

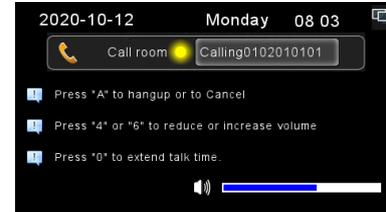
3.2 Call for video intercom

1).Door station call to households. When the device is on the main interface, the visitor enters the room number that needs to be called. For example, when calling the 101 owner, the visitor enters 101 or 0101. When the room number is three, the visitor will automatically call 3 seconds later, and when the room number is four, the visitor will call immediately, as shown in Figure 3.2.1.



Picture 3.2.1

2). Fencing outdoor station visitors call households. When the device is on the main interface, visitors need to enter the complete owner's room number information. For example, when calling Room 401, Unit 1, Building 2, area 1, visitors should enter "0102010401" to make a call, as shown in Figure 3.2.2



Picture 3.2.2

3). Enter 1000 to call the security booth or property management center. If the security machine does not exist or the call time is out, it will be transferred to the property management center, as shown in Figure 3.2.3 and 3.2.4



Picture 3.2.3



Picture 3.2.4

4). If the room number is incorrectly entered, press "A" to clear it, press "A" to exit or end the call during calling or talking, press "4" or "6" to reduce or increase the volume during calling, press "0" to extend the call time to 180 seconds.

5). Status bar displays during calls and calls

- Call — the door station is calling the households/ management center.
- Busy line — the household/ management center calling from the door station is busy.
- Talking – the other party receives the call and the two parties can talk.

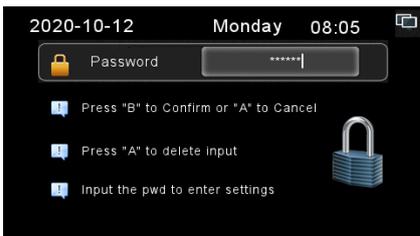
6). When calling the household or talking with the household, the household can remotely unlock the door through the indoor monitor. The door station will display "Unlock" as shown in Figure3.2.5



Picture 3.2.5

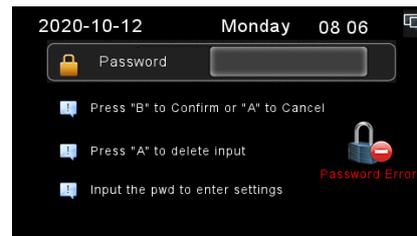
3.3 Unlocking function

1). Public password unlocking. The default unlocking mode of the device is disabled, and the property management personnel can only use the device by setting the opening authority of the project. Usage: "B" + public unlocking password + "B". When the password is correct, the lock will be opened, and a picture will be captured and uploaded to the center, as shown in Figure 3.3.1



Picture 3.3.1

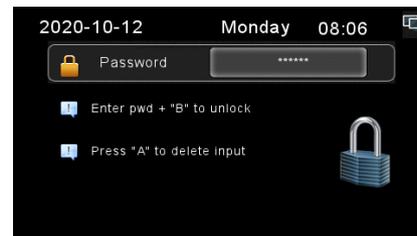
When the password is incorrectly entered, it will prompt the password error. The camera will capture a picture and upload it to the center, as shown in Figure 3.3.2



Picture 3.3.2

2) Hijacked lock unlock password to unlock. The hijacked lock unlock password is in reverse order with the public lock unlock password and cannot be the same, and it can only be used when the public lock unlock password is enabled. For example, the public unlock password is 123456, and the hijacked unlock password is 654321. The operation method is the same as the public password unlock. When the hijacked password is used to unlock the door, the door will report the hijacked police to the center and notify the center that someone is hijacked at the door.

3) Tenant password to unlock. The default is disabled, and the property management personnel can only use it through the project setting to open the authority. And the user's unlocked password is not allowed by default, which can only be used by setting it on the indoor monitor. Operation method: "A" + room number + "B" + "tenant unlocking password" + "B". For example, the unlocking password of 101 tenant is 123456, then enter "A" + 101 + "B" + 123456 + "B" to open the door of the unit. As shown in Figure3.3.3



Picture 3.3.3

4) Hijacked lock unlock password of tenant to unlock. Tenant hijacking password unlocking and tenant unlocking password permissions are related, the password content is in reverse order, when the user set the tenant unlocking password, hijacking unlocking password automatically becomes in reverse order.

5) Swipe the card to open the lock, Both the management card and the legal household owner card can be used to unlock the lock by calling and swiping the card, as shown in Figure 3.3.4



Picture 3.3.4

4. System Setting

4.1 Introduction to setting function

Enter system Settings: Enter "B" + 6-digit administrator password + "B" (the factory default administrator password is 666666) on the main interface, enter the system Settings interface, "A" key to exit or clear error input function, "B" key to determine function, "4" and "6" to move around and select, the default is the address setting, as shown in Figure 4.1.1

This project must be operated by professional engineers and technicians! Users should not change it lightly!

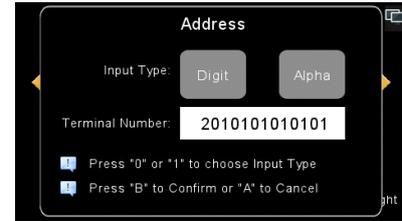


Picture 4.1.1

4.2 Address

- 1). Room number rules: the room number is 13 digits. The first bit is the machine attributes (2 is the unit gate door station, 7 is the wall door station).
- 2). Composition of room number: attribute (1) + area code (2) + building number (2) + unit number (2) + floor number (2) + room number (2) + extension number (2).

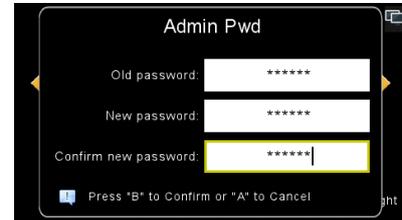
3). The factory default room number of the door station is 2999999999901. The room number code of the equipment can be set according to the actual building type. For example, the unit unit in area 1 and building 1 in unit 1 should be set to 2010101010101.



Picture 4.2.1

4.3 Admin password

Managers can change the old password into the new administrator password according to the old password. Enter the correct old password(6 digits) and the same new password twice(6 digits) to set the new administrator password, which is convenient for management. As shown in Figure 4.3.1

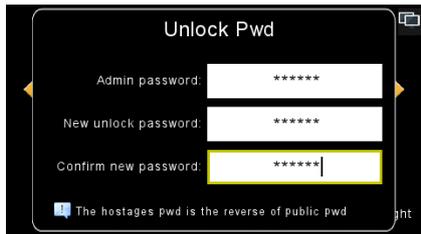


Picture 4.3.1

4.4 Unlock Password

1). Set public unlock password and public hijacked unlock password. Enter the correct administrator password to set new public unlock password and public hijacked unlock password. Note: The two unlock password relations are in reverse order and cannot be the same. The system factory default public unlock password is 012345, the default hijacked unlock password is 543210. If the public lock unlock password is set to 666666 or 121121, the public hijacked lock unlock password is the same as the public lock unlock password, which violates the setting rules and indicates that the setting fails.

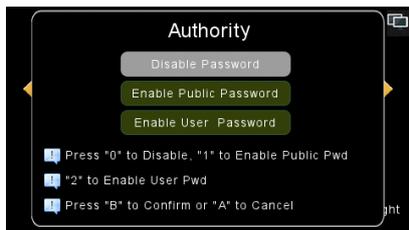
2). If the setting is successful, the interface and voice will indicate that the setting is successful, otherwise, it will indicate failure. The setting interface is shown in Figure 4.4.1



Picture 4.4.1

4.5 Password permissions

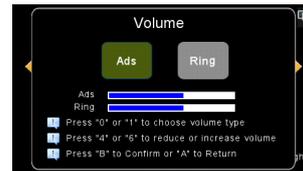
Unlocking of the device is disable by default. If "0" is selected according to the prompts on the interface, the system will not be able to unlock the door with the unlocking password; "1" Enable the public password to unlock the door, and the user can unlock the door through the public password; "2" Enable the user's password to unlock the door, and the user can call the user to unlock the password to unlock the door. "A" key to exit and "B" key to confirm. The setting interface is shown in Figure 4.5.1



Picture 4.5.1

4.6 Volume

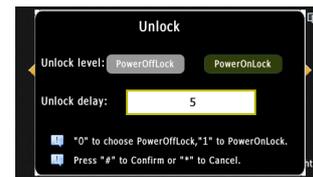
Advertising volume and ringtone volume can be set. Press "0" to select the advertising volume option, press "1" to select the ringtone volume option, press "4" to reduce the volume, and press "6" to increase the volume, as shown in Figure 4.6.1



Picture 4.6.1

4.7 Unlock

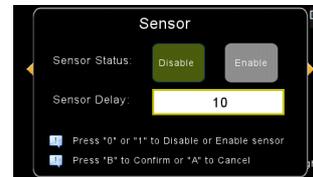
Set the unlocking mode and unlocking delay of the electronic lock. The default is to open the lock with power on and the delay is 10 seconds. Press "0" to select power-off unlocking (NC); press "1" to select power-on unlocking(NO); press "B" to enter the option of unlocking delay; press "B" to save after entering the delay (the delay range is 1-150 seconds); press "A" to clear wrong input or exit the interface of unlocking setting, as shown in Figure 4.7.1



Picture 4.7.1

4.8 Sensor

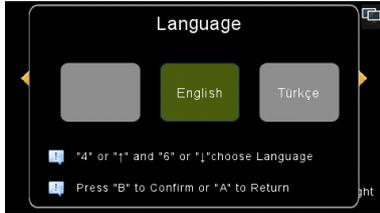
Set the enabling and disabling state of the door magnet, as well as the delay time of the door magnet. Press "0" to disable the door magnetic field, press "1" to enable the door magnetic field, "A" to clear the delay time or exit the interface of the door magnetic setting, and "B" to save the setting and exit, as shown in Figure 4.8.1



Picture 4.8.1

4.9 Language

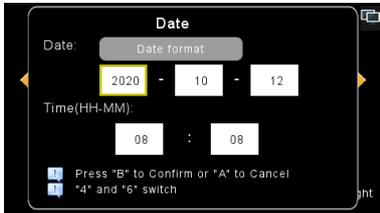
Set the language of the door station. The default display is Chinese. Press “4” or “6” to select the language “A” key to exit, and “B” to save and exit.



Picture 4.9.1

4.10 Time setting

Set the time and date of the door station. If the setting time is not reasonable, the setting will be prompted to fail. When the device starts up or runs, it will automatically synchronize the time of the property center software. The format is xxxx-xx-xx XX:XX, such as 2006-1-1 12:00, “A” can clear the wrong input, “B” can save and exit, and the setting interface is shown in Figure 4.10.1



Picture 4.10.1

4.11 System information

The system information currently set can be viewed, including terminal number, IP address, subnet mask, gateway address, software version, netCfg, etc. Press “A” key to exit the viewing interface, as shown in Figure 4.11.1



Picture 4.11.1

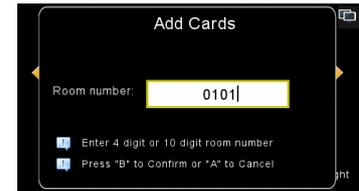
4.12 Card manage

1). Add tenant IC card, press “0” to add card function. As shown in figure 4.12.1



Picture 4.12.1

2). Add IC card operation: input the room number to add IC card. If it is on the unit door station, input 4-digit room number, such as 0101; if it is on the wall door station, input 10-digit room number, such as 0102010101 (101household, Unit 1, Building 2, area 1). Press “B” button to confirm, as shown in Figure 4.12.2



Picture 4.12.2

3). After entering the correct room number, press “B” to confirm and start the card reading. Figure 4.12.3 prompts to place your card on the reader and start adding the card. After adding cards is over, press “B” to exit the card issuing and press “A” to return to the previous step. Add card successfully as shown in Figure 4.12.4



Picture 4.12.3



Picture 4.12.4

4). Press “1” to select card deletion to enter the next menu, as shown in Fig. 4.12.5. Press “0” to delete the card according to the card number, press “1” to delete the card according to the room number, and press “2” to delete all locally issued cards.



Picture 4.12.5

After selecting the card number by pressing “0” + “B”, input the card number of IC card. If the IC card exists in the gate machine, it will be indicated that the card number has been deleted successfully; otherwise, it will be indicated that the card number does not exist, as shown in Figure 4.12.6

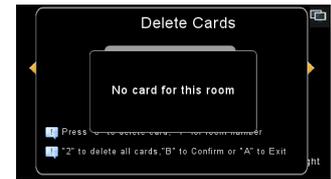
After selecting the room number by pressing “1” + “B”, enter the corresponding room number of all cards to delete. If the room number is in the unit door station, enter the 4-digit room number, such as 0101, as shown in Fig. 4.12.7; if the room number is in the wall door station, enter the 10-digit room number, such as 0102010101. If there is an IC card in the room number, delete all the IC cards of the residents in the room number; If there is no card in the entered room number, it will be prompted that there is no card in the entered room number, as shown in Figure 4.12.8



Picture 4.12.6



Picture 4.12.7



Picture 4.12.8

Press “2” + “B” to select to delete all added cards, and it will prompt you to confirm to delete all cards. Press “B” to confirm deletion, and press “A” to return to the previous step, as shown in Figure 4.12.9



Picture 4.12.9

4.13 Restore

Click the "Restore" button to select whether to restore factory Settings, press "B" to confirm factory restoration, and press "A" to cancel factory restoration, as shown in Fig. 4.13.1



Picture 4.13.1

4.14 Unlock time setting

Press the "circle key" to unlock the lock directly within the set time range; if not, press the "circle key" to call the management center; press the "↑" or "↓" to select; press the "B" key to save; press the "A" key to cancel, such as 4.14.1



Picture 4.14.1

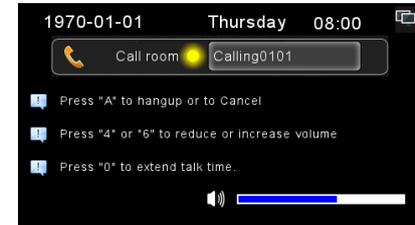
4.15 Shortcut call

- (1). Open the FTP function in the PC tools into the Userdev folder, and replace the "household. TXT" file in it.
- (2). Press "↑" or "↓" on the home page to enter the shortcut call menu as shown in 4.15.1



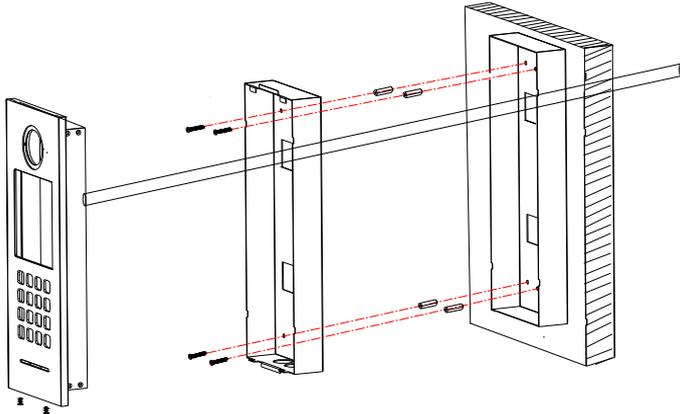
Picture 4.15.1

- (3). After entering the menu, press the "↑" key or the "↓" key to select the name and press the "bell key" or "B" key for quick call. As shown in figure 4.15.2

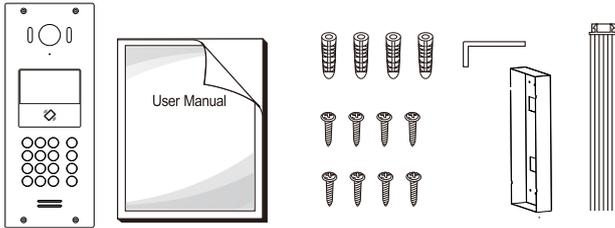


Picture 4.15.2

5. Operation Instructions

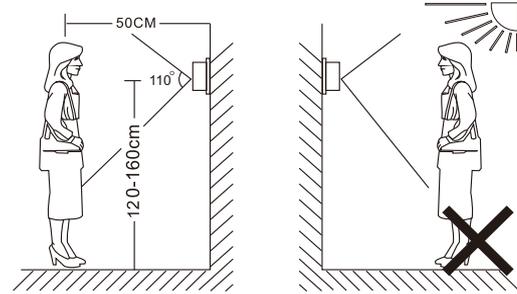


6. Accessories



- Plastic anchor ----- 4PCS
- Screw ----- 6PCS
- User manual ----- 1PCS
- 7 Pin line ----- 1PCS
- Embedded box ----- 1PCS

7. Installation process of outdoor units



NOTE:

- Avoid installation of the device near strong radiation e.g. AC motor and lift.
- Maintenance should be complied with qualified technician.
- Avoid hard shake, beating and collision, otherwise the internal exact components maybe be damaged.
- Do not expose the outdoor camera under strong light or sunshine.
- Do not install the outdoor camera in the environment e.g. direct sunlight, contact rain, High temperature, high humidity, full of dust and chemistry corrosive.
- Select the most suitable position where the camera is located at user's eye level.
- Switch off power supply before installation.
- Keep more than 30cm away from AC power supply to avoid external interference.
- Keep it away from the water and magnetic field.