
Unit VTO User's Manual

V2.0.0

Welcome

Thank you for purchasing our product!

This quick start guide is designed to be a reference tool for your system.

Please keep it well for future reference!

Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note:

- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning:

- Please use battery properly to avoid fire, explosion and other dangers.
- Please replace used battery with battery of the same type.
- Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

- This manual is for reference only.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.

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1 Product Overview

1.1 Model List

This manual is designed for multiple product models, please read and check carefully for your product model and its functions.

Product Model	Housing Material	Color	Unlock via IC Card	Keypad	Control Module
VTO1210A-X	Metal	Metal grey	Support	Numeric keypad	Built-in
VTO1220A	Metal	Metal grey	Support	Numeric keypad	Built-in
VTO1210B(W)-X	Fireproof ABS	Black(White)	Support	Touch keypad	Built-in
VTO1220B(W)	Fireproof ABS	Black(White)	Support	Touch keypad	Built-in
VTO1210C-X	Metal	Metal grey	Support	Numeric keypad	Built-in
VTO6221B(W)	Fireproof ABS	Black(White)	Support	Touch keypad	Built-in

1.2 Structure

1.2.1 VTO1210A-X/VTO1220A

1.2.1.1 Front Panel

Plug to power, system boots up and wait for 1 minute, screen turns on. System enters working interface, see Figure 1-1.

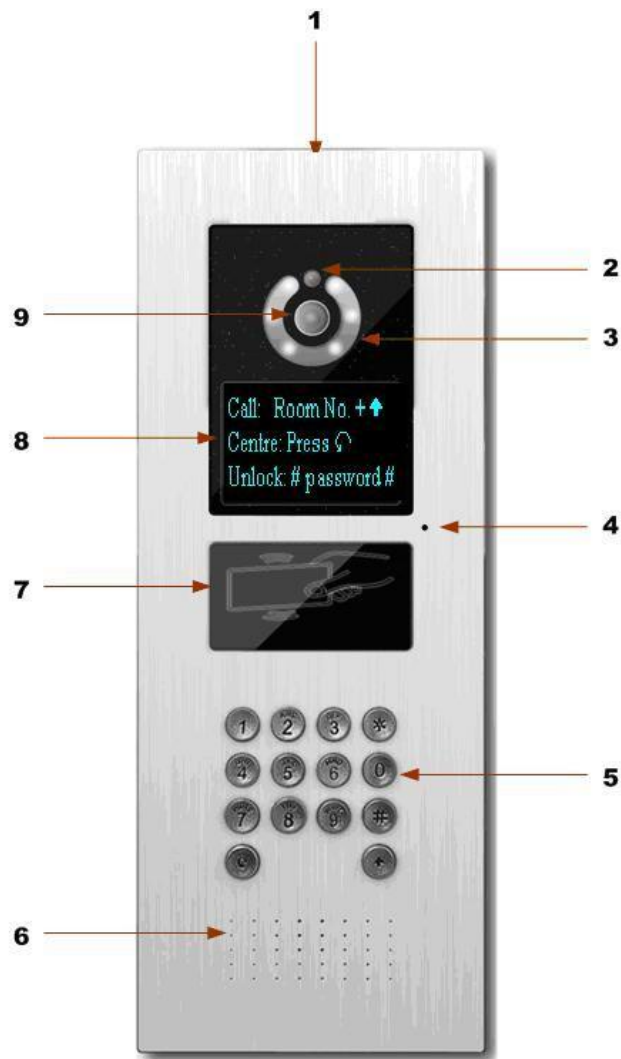







Figure 1-1

Please refer to the following sheet for detailed information.

SN	Name	Function
1	Logo	Decoration logo.
2	Photo Sensor	It can detect the environment light. It is a compensation light option.
3	Compensation Light	It can compensate the camera light in the low illumination environments.
4	Microphone	Audio input

5	Key Panel	<ol style="list-style-type: none"> 1.  Button. a) Backspace function. It is to delete the previous symbol. b) Hang up function. It is to hang up the call. 2. Number button. Input the number 0 to 9. 3.  button. When you are using the password to open the door. Press this button once to begin input. After you input the password, please press it again to complete the operation. 4.  Call button. After you input the room number, press it to begin a dial up. 5.  Call center button. Press it to call the center directly. 		
6	Speaker	Output audio		
7	Card Induction zone	Use the card to open the door.		
8	LCD	<p>Here you can view prompt information, date, time and etc.</p> <p>Note:</p> <ol style="list-style-type: none"> 1. "Call: Room No. + 9	Camera	It is to monitor the video of the door.

1.2.1.2 Rear Panel

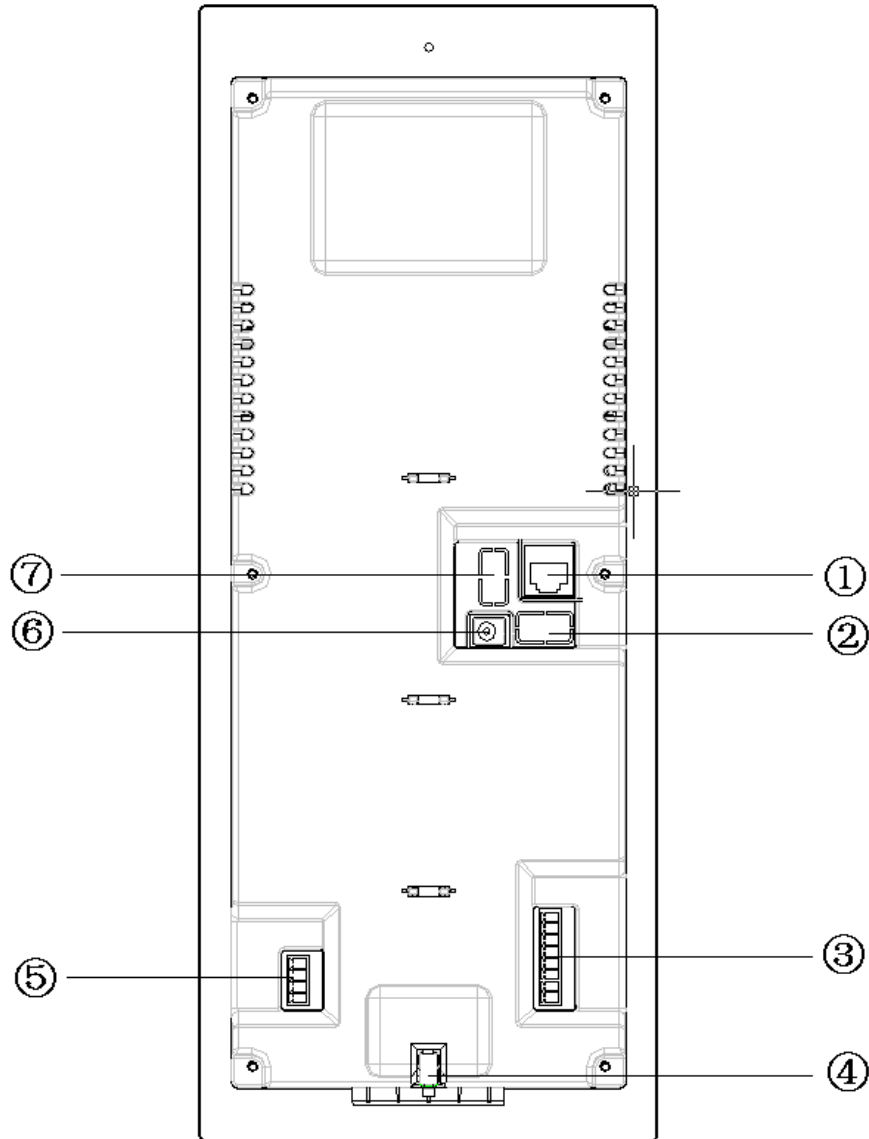


Figure 1-2

Please refer to the following sheet for detailed information.

SN	Port Name	Function								
1	Network Port	Connect to the RJ45 port.								
2	Access Control Input Port	Connect to signal from the door sensor, door on/off signal. <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Unlock Button</td> <td>GND</td> <td>Door Sensor</td> <td>GND</td> </tr> <tr> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> </table>	Unlock Button	GND	Door Sensor	GND	○	○	○	○
Unlock Button	GND	Door Sensor	GND							
○	○	○	○							
3	Analog Signal Port	Connect to the analog signal of the								

	(VTO1210A-X only)	<p>distributor.</p> <table border="1"> <tr><td>CAN-H</td><td><input type="radio"/></td></tr> <tr><td>CAN-L</td><td><input type="radio"/></td></tr> <tr><td>NA</td><td><input type="radio"/></td></tr> <tr><td>NA</td><td><input type="radio"/></td></tr> <tr><td>Audio +</td><td><input type="radio"/></td></tr> <tr><td>Audio -</td><td><input type="radio"/></td></tr> <tr><td>Video +</td><td><input type="radio"/></td></tr> <tr><td>Video +</td><td><input type="radio"/></td></tr> </table> <p>corresponds</p> <table border="1"> <tr><td>White-blue</td><td><input type="radio"/></td></tr> <tr><td>Blue</td><td><input type="radio"/></td></tr> <tr><td>NA</td><td><input type="radio"/></td></tr> <tr><td>NA</td><td><input type="radio"/></td></tr> <tr><td>White-green</td><td><input type="radio"/></td></tr> <tr><td>Green</td><td><input type="radio"/></td></tr> <tr><td>White-brown</td><td><input type="radio"/></td></tr> <tr><td>Brown</td><td><input type="radio"/></td></tr> </table> <p>to</p>	CAN-H	<input type="radio"/>	CAN-L	<input type="radio"/>	NA	<input type="radio"/>	NA	<input type="radio"/>	Audio +	<input type="radio"/>	Audio -	<input type="radio"/>	Video +	<input type="radio"/>	Video +	<input type="radio"/>	White-blue	<input type="radio"/>	Blue	<input type="radio"/>	NA	<input type="radio"/>	NA	<input type="radio"/>	White-green	<input type="radio"/>	Green	<input type="radio"/>	White-brown	<input type="radio"/>	Brown	<input type="radio"/>
CAN-H	<input type="radio"/>																																	
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Audio -	<input type="radio"/>																																	
Video +	<input type="radio"/>																																	
Video +	<input type="radio"/>																																	
White-blue	<input type="radio"/>																																	
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NA	<input type="radio"/>																																	
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White-green	<input type="radio"/>																																	
Green	<input type="radio"/>																																	
White-brown	<input type="radio"/>																																	
Brown	<input type="radio"/>																																	
4	Vandal Proof Alarm Button	It can generate an alarm when there is a vandal operation.																																
5	RS422 Port (Reserved)	<p>Connect to RS422 or RS485 Communication Device.</p> <table border="1"> <tr><td><input type="radio"/></td><td>RS485-B</td></tr> <tr><td><input type="radio"/></td><td>RS485-A</td></tr> <tr><td><input type="radio"/></td><td>NA</td></tr> <tr><td><input type="radio"/></td><td>NA</td></tr> </table> <p>or</p> <table border="1"> <tr><td><input type="radio"/></td><td>Rs422-Rx-B1</td></tr> <tr><td><input type="radio"/></td><td>Rs422-Rx-B2</td></tr> <tr><td><input type="radio"/></td><td>Rs422-Tx-A1</td></tr> <tr><td><input type="radio"/></td><td>Rs422-Tx-A2</td></tr> </table>	<input type="radio"/>	RS485-B	<input type="radio"/>	RS485-A	<input type="radio"/>	NA	<input type="radio"/>	NA	<input type="radio"/>	Rs422-Rx-B1	<input type="radio"/>	Rs422-Rx-B2	<input type="radio"/>	Rs422-Tx-A1	<input type="radio"/>	Rs422-Tx-A2																
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<input type="radio"/>	NA																																	
<input type="radio"/>	NA																																	
<input type="radio"/>	Rs422-Rx-B1																																	
<input type="radio"/>	Rs422-Rx-B2																																	
<input type="radio"/>	Rs422-Tx-A1																																	
<input type="radio"/>	Rs422-Tx-A2																																	
6	Power Port	Connect to 12V DC.																																

7	Access Control Output Port	Control enable or disable of NO/NC lock.	
		<input type="radio"/>	NO
		<input type="radio"/>	NC
		<input type="radio"/>	COM
		<input type="radio"/>	GND

1.2.2 VTO1210B(W)-X/VTO1220B(W)

1.2.2.1 Front Panel

Plug to power, system boots up and wait for 1 minute, screen turns on. System enters working interface, see Figure 1-3.

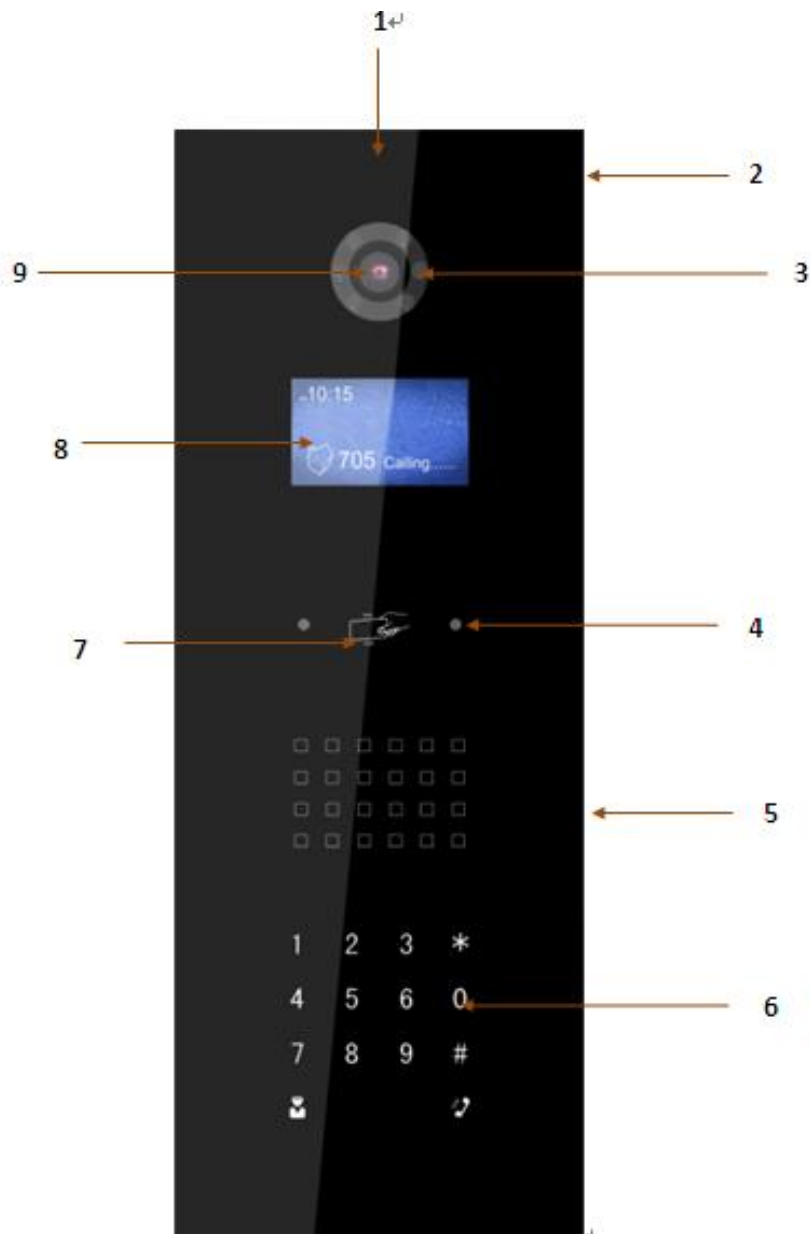








Figure 1-3

Please refer to the following sheet for detailed information.

SN	Name	Function
1	Logo	Printed logo.
2	Microphone	Audio input
3	Compensation Light	It can compensate the camera light in the low illumination environments.
4	Approaching Induction	It can detect approaching body.
5	Speaker	Output audio

6	Key Panel	<ol style="list-style-type: none"> 1. *Button. <ol style="list-style-type: none"> a) Backspace function. It is to delete the previous symbol. b) Hang up function. It is to hang up the call. 2. Number button. Input the number 0 to 9. 3. # button. When you are using the password to open the door. Press this button once to begin input. After you input the password, please press it again to complete the operation. 4.  Call button. After you input the room number, press it to begin a dial up. 5.  Call center button. Press it to call center directly.
7	Card Induction Zone	Use the card to open the door.
8	LCD	<p>Here you can view prompt information, date, time and etc.</p> <p>Note:</p> <ol style="list-style-type: none"> 1. "Call: Room No. +  ". Please input the room number first and then press the button  to dial; 2. "Call Center: Press  button". Please press the button  to call center. 3. "Password: # + password + #", If you want to open the door via the password, please press the button # and then input the room number and password. Please press the button # to confirm.
9	Camera	It is to monitor the video of the door.

1.2.2.2 Rear Panel

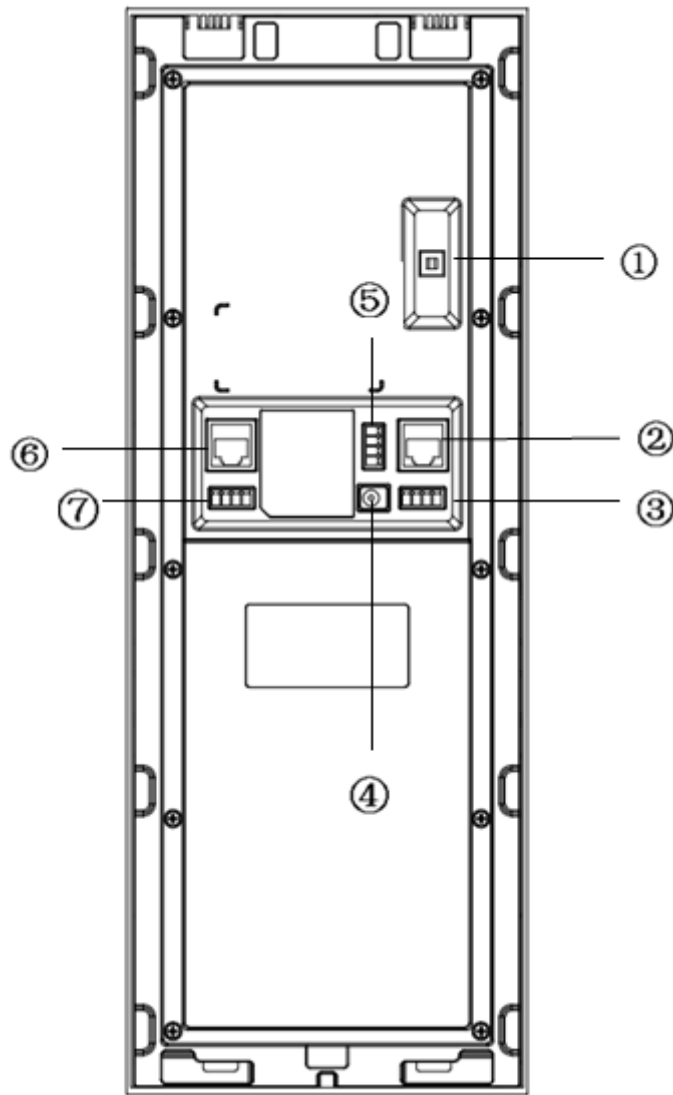


Figure 1-4

Please refer to the following sheet for detailed information.

SN	Port Name	Function								
1	Vandal Proof Alarm Button	It can generate an alarm when there is a vandal operation.								
2	Network Port	Connect to the RJ45 port.								
3	Access Control Input Port	Connect to signal from the door sensor, door on/off signal. <table border="1" style="margin-left: 20px;"> <tr> <td>Unlock Button</td> <td>GND</td> <td>Door Sensor</td> <td>GND</td> </tr> <tr> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> <td style="text-align: center;">○</td> </tr> </table>	Unlock Button	GND	Door Sensor	GND	○	○	○	○
Unlock Button	GND	Door Sensor	GND							
○	○	○	○							
4	Power Port	Connect to 12V DC power.								
5	Access Control Output Port	Control enable or disable of NO/NC lock.								

		<table border="1"> <tr><td><input type="radio"/></td><td>NO</td></tr> <tr><td><input type="radio"/></td><td>NC</td></tr> <tr><td><input type="radio"/></td><td>COM</td></tr> <tr><td><input type="radio"/></td><td>GND</td></tr> </table>	<input type="radio"/>	NO	<input type="radio"/>	NC	<input type="radio"/>	COM	<input type="radio"/>	GND								
<input type="radio"/>	NO																	
<input type="radio"/>	NC																	
<input type="radio"/>	COM																	
<input type="radio"/>	GND																	
6	Analog Signal Port	Connect to the analog signal of the distributor.																
7	RS485 Port	<p>Connect to RS422 or RS484 communication device.</p> <table border="1"> <tr> <td>Rs485-B</td> <td>Rs485-A</td> <td>NA</td> <td>NA</td> </tr> <tr> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </table> <p>or</p> <table border="1"> <tr> <td>Rs422-Rx-B1</td> <td>Rs422-Rx-B2</td> <td>Rs422-Tx-A1</td> <td>Rs422-Tx-A2</td> </tr> <tr> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </table>	Rs485-B	Rs485-A	NA	NA	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Rs422-Rx-B1	Rs422-Rx-B2	Rs422-Tx-A1	Rs422-Tx-A2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rs485-B	Rs485-A	NA	NA															
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>															
Rs422-Rx-B1	Rs422-Rx-B2	Rs422-Tx-A1	Rs422-Tx-A2															
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>															

1.2.3 VTO1210C-X

1.2.3.1 Front Panel

Plug to power, system boots up and wait for 1 minute, screen turns on. System enters working interface, see Figure 1-5.

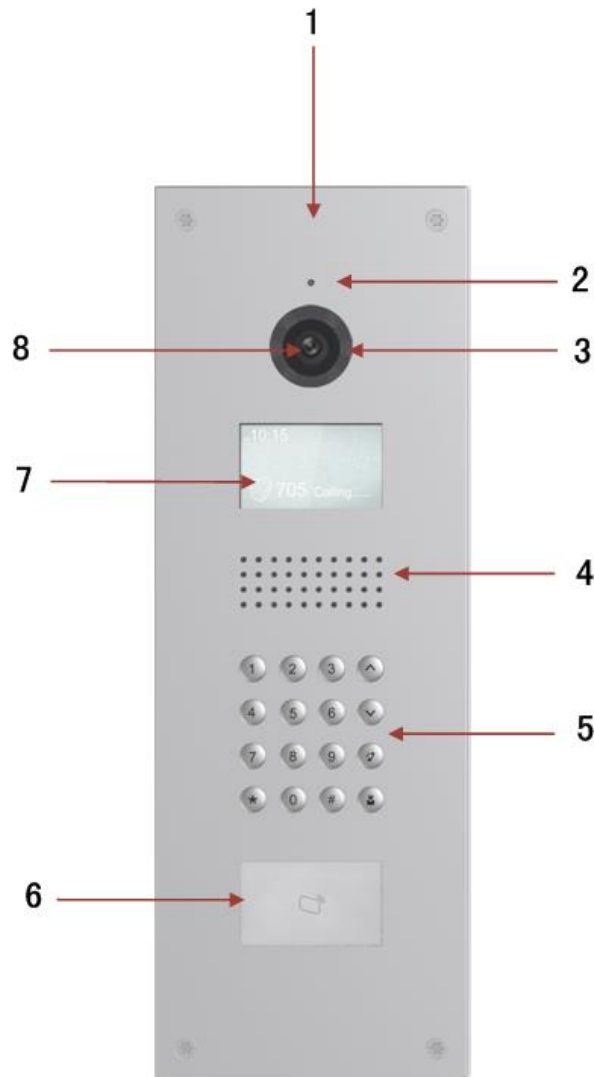















Figure 1-5

Please refer to the following sheet for detailed information.

SN	Name	Function
1	Logo	Printed logo.
2	Microphone	Audio input
3	Compensation Light	It can compensate the camera light in the low illumination environments.
4	Speaker	Output audio
5	Key Panel	1. *Button. c) Backspace function. It is to delete the previous symbol. d) Hang up function. It is to hang up the call. 2. Number button. Input the number 0 to 9.

		<p>3.  button. When you are using the password to open the door. Press this button once to begin input. After you input the password, please press it again to complete the operation.</p> <p>4.  Call button. After you input the room number, press it to begin a dial up.</p> <p>5.  Call center button. Press it to call center directly.</p> <p>6.   button: In contacts interface, press these buttons to page up and down. They can be customized for special function.</p>
6	Card Induction Zone	Use the card to open the door.
7	LCD	<p>Here you can view prompt information, date, time and etc.</p> <p>Note:</p> <p>1. "Call: Room No. +  ". Please input the room number first and then press the button  to dial;</p> <p>2."Call Center: Press  button". Please press the button  to call center.</p> <p>3."Password:  + password +  ", If you want to open the door via the password, please press the button  and then input the room number and password. Please press the button  to confirm.</p>
8	Camera	It is to monitor the video of the door.

1.2.3.2 Rear Panel

VTO1210C-X rear panel is the same with VTO1210B(W)-X/VTO1220B(W), therefore

please refer to Ch 1.2.2.2.

1.2.4 VTO6221B(W)

1.2.4.1 Front Panel

Device front panel is in Figure 1-6.

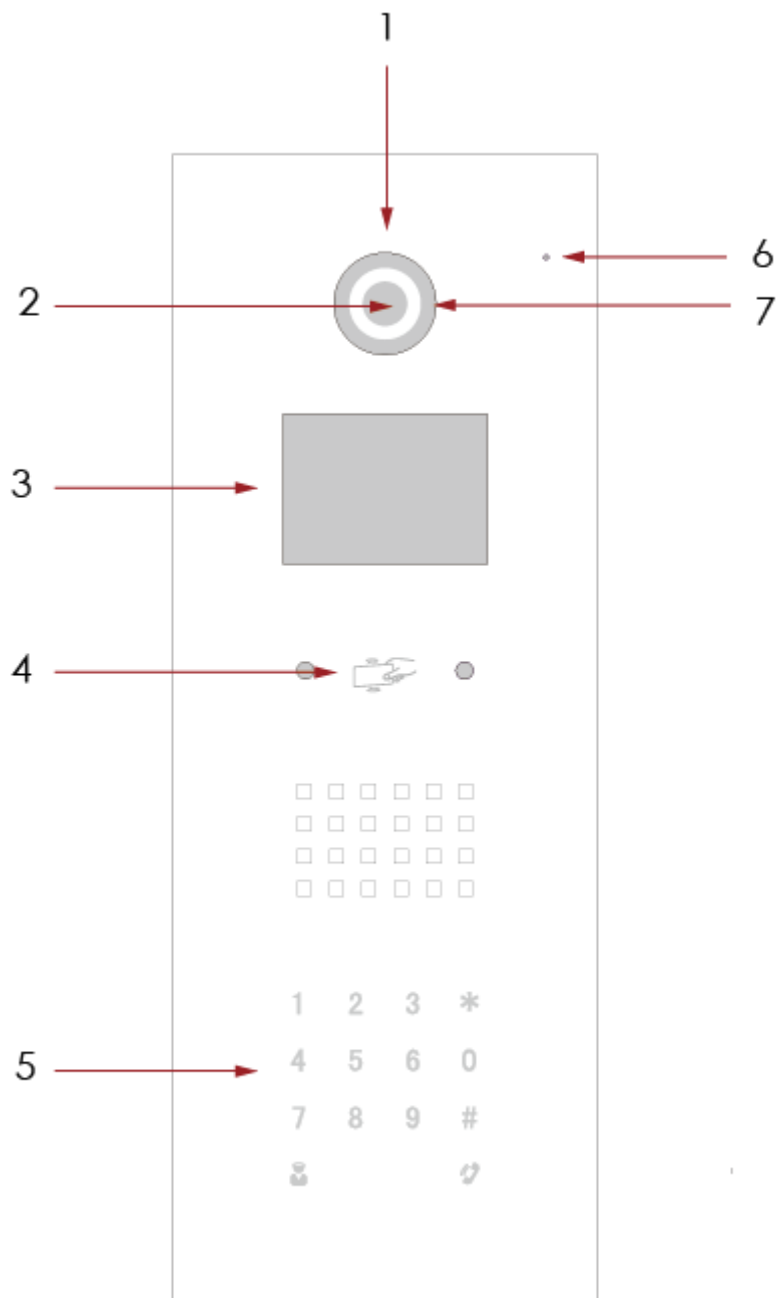








Figure 1-6

SN	Name	Function
1	Logo	Printed logo.
2	Camera	Monitor VTO area.
3	LCD	<p>Here you can view prompt information, date, time and etc. Note:</p> <ol style="list-style-type: none"> 1. "Call: Room No. +  ". Please input the room number first and then press the button  to dial; 2."Call Center: Press  button". Please press the button  to call center. 3."Password: # + password + #", If you want to open the door via the password, please press the button # and then input the room number and password. Please press the button # to confirm.
4	Card Induction Zone	Use the card to open the door.
5	Key Panel	<ol style="list-style-type: none"> 1. *Button. e) Backspace function. It is to delete the previous symbol. f) Hang up function. It is to hang up the call. 2. Number button. Input the number 0 to 9. 3. # button. When you are using the password to open the door. Press this button once to begin input. After you input the password, please press it again to complete the operation. 4.  Call button. After you input the room number, press it to begin a dial up. 5.  Call center button. Press it to call center directly. 6. ^v button: In contacts interface, press these buttons to page up and down. They can be customized for special function.
6	Microphone	Audio input

7	Compensation Light	It can compensate the camera light in the low illumination environments.
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1.2.4.2 Rear Panel

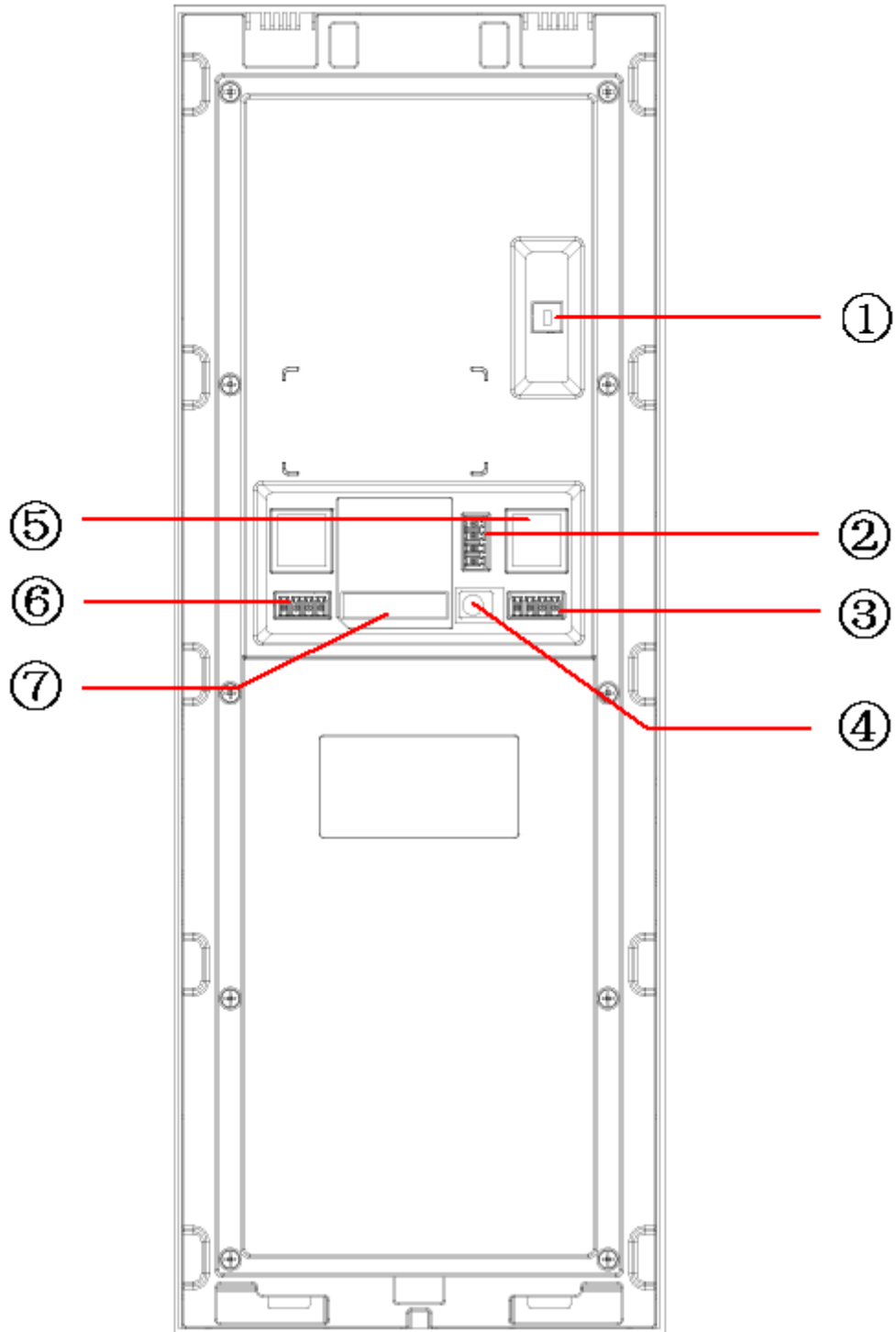


Figure 1-7

SN	Port Name	Function																
1	Vandal Proof Alarm Button	It can generate an alarm when there is a vandal operation.																
2	Alarm Port	1-ch alarm input, 1-ch alarm output. <table border="1" data-bbox="459 499 761 723"> <tr> <td><input type="radio"/></td> <td>Alarm In</td> </tr> <tr> <td><input type="radio"/></td> <td>GND</td> </tr> <tr> <td><input type="radio"/></td> <td>NO</td> </tr> <tr> <td><input type="radio"/></td> <td>COM</td> </tr> </table>	<input type="radio"/>	Alarm In	<input type="radio"/>	GND	<input type="radio"/>	NO	<input type="radio"/>	COM								
<input type="radio"/>	Alarm In																	
<input type="radio"/>	GND																	
<input type="radio"/>	NO																	
<input type="radio"/>	COM																	
3	Weigand Port	<table border="1" data-bbox="459 757 746 969"> <tr> <td><input type="radio"/></td> <td>GND</td> </tr> <tr> <td><input type="radio"/></td> <td>WG-LED</td> </tr> <tr> <td><input type="radio"/></td> <td>WG-D0</td> </tr> <tr> <td><input type="radio"/></td> <td>WG-D1</td> </tr> </table>	<input type="radio"/>	GND	<input type="radio"/>	WG-LED	<input type="radio"/>	WG-D0	<input type="radio"/>	WG-D1								
<input type="radio"/>	GND																	
<input type="radio"/>	WG-LED																	
<input type="radio"/>	WG-D0																	
<input type="radio"/>	WG-D1																	
4	Power Port	Connect to DC 12V power.																
5	Network Port	Connect to RJ45 crystal head.																
6	RS485 Port	Connect to RS485 COM device.																
7	Lock Port	Connect to unlock button and door sensor, control NO/NC lock enable or disable. <table border="1" data-bbox="563 1216 821 1597"> <tr> <td><input type="radio"/></td> <td>NC</td> </tr> <tr> <td><input type="radio"/></td> <td>COM</td> </tr> <tr> <td><input type="radio"/></td> <td>NO</td> </tr> <tr> <td><input type="radio"/></td> <td>NA</td> </tr> <tr> <td><input type="radio"/></td> <td>GND</td> </tr> <tr> <td><input type="radio"/></td> <td>Unlock</td> </tr> <tr> <td><input type="radio"/></td> <td>GND</td> </tr> <tr> <td><input type="radio"/></td> <td>Door Sensor</td> </tr> </table>	<input type="radio"/>	NC	<input type="radio"/>	COM	<input type="radio"/>	NO	<input type="radio"/>	NA	<input type="radio"/>	GND	<input type="radio"/>	Unlock	<input type="radio"/>	GND	<input type="radio"/>	Door Sensor
<input type="radio"/>	NC																	
<input type="radio"/>	COM																	
<input type="radio"/>	NO																	
<input type="radio"/>	NA																	
<input type="radio"/>	GND																	
<input type="radio"/>	Unlock																	
<input type="radio"/>	GND																	
<input type="radio"/>	Door Sensor																	




2 Install VTO

Unit VTO on-site installation includes: wall embedded installation, door embedded installation (with box/without box), standalone installation.

This chapter will introduce wall embedded installation of VTO1220A/VTO1210A-X series, VTO1210B(W)-X/VTO1220B(W) series, VTO1210C-X series and VTO6221B(W) series.

2.1 VTO1220A/VTO1210A-X

2.1.1 Screw

Component	Screw No	Illustration	Quantity
ST3×18 Cross recessed pan head tapping screws –white alloy	Screw a		6
M3×16 Cross slot recessed pan head screws- zinc black	Screw b		1
White expansion pipe \varnothing 6×30mm	None		6

2.1.2 Installation Steps

- Step 1. Fix metal housing on wall with screw a.
- Step 2. Fix device on the metal housing with screw b.

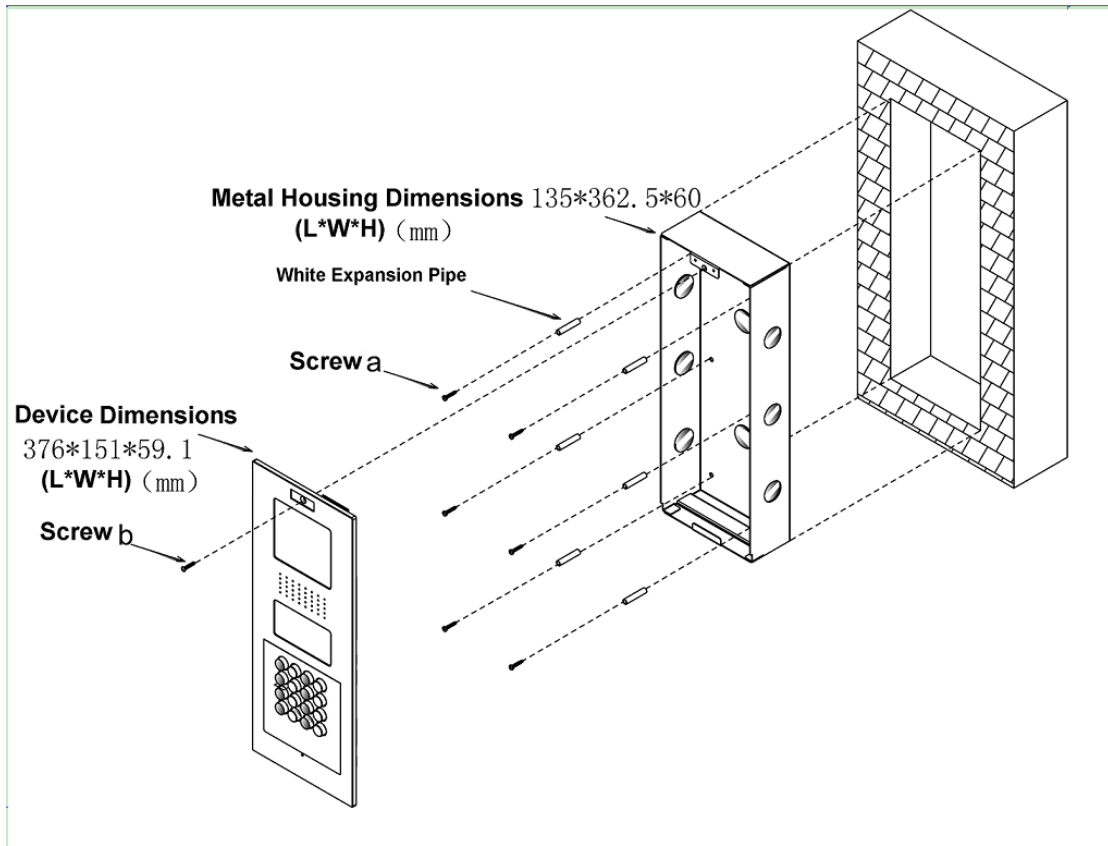




Figure 2-1

2.1.3 Wiring

Please refer to Ch 1.2.1.2.

2.2 VTO1210B(W)-X/VTO1220B(W)/ VTO6221B(W)

2.2.1 Screw

Component	Screw No	Illustration	Quantity
ST3×18 Cross recessed pan head tapping screws –white alloy	Screw a		10
M3×16 Cross slot recessed pan head screws- zinc black	Screw b		1

2.2.2 Installation Steps

- Step 1. Embed plastic housing into wall.
- Step 2. Fix bracket on the housing with screw a.
- Step 3. Fix device on the bracket with screw b.

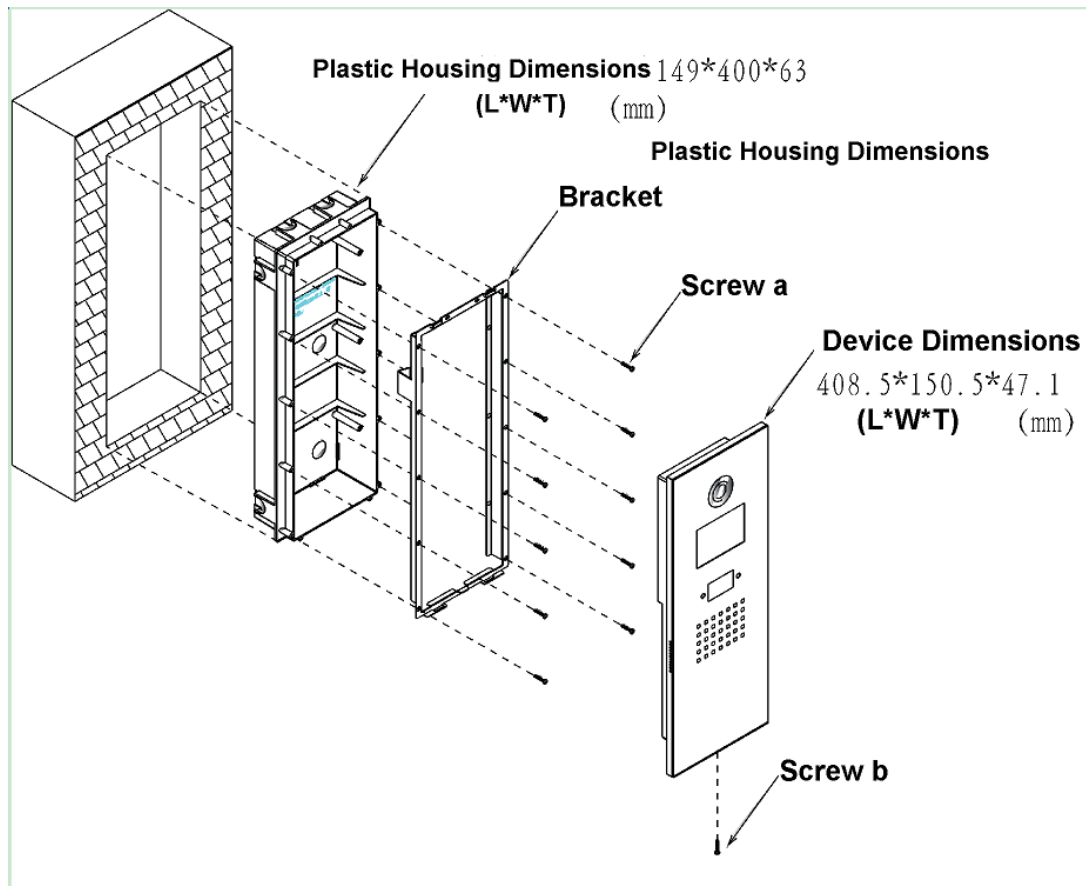



Figure 2-2

2.2.3 Wiring

Please refer to Ch 1.2.2.2.

2.3 VTO1210C-X

2.3.1 Screw

Component	Illustration	Quantity
M4x40 inner hex flower countersunk flat head screws-stainless steel		4

2.3.2 Installation Steps

- Step 1. Embed plastic housing into wall.
- Step 2. Fix device on the bracket with screw.

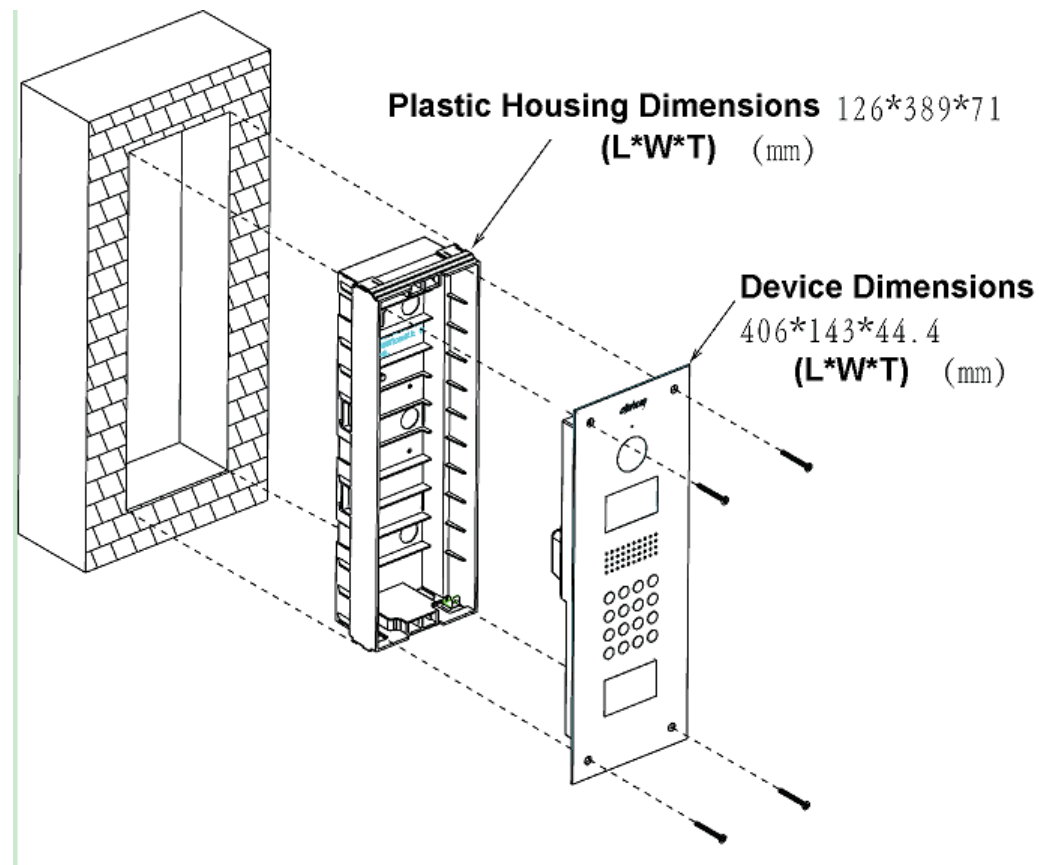


Figure 2-3

2.3.3 Wiring

Please refer to Ch 1.2.3.2.

3 Debug VTO

The VTO has digital system and analog system. Please read the following contents before installing system.

Here takes VTO6221B(W) as an example.

3.1 Networking

See Figure 3-1.

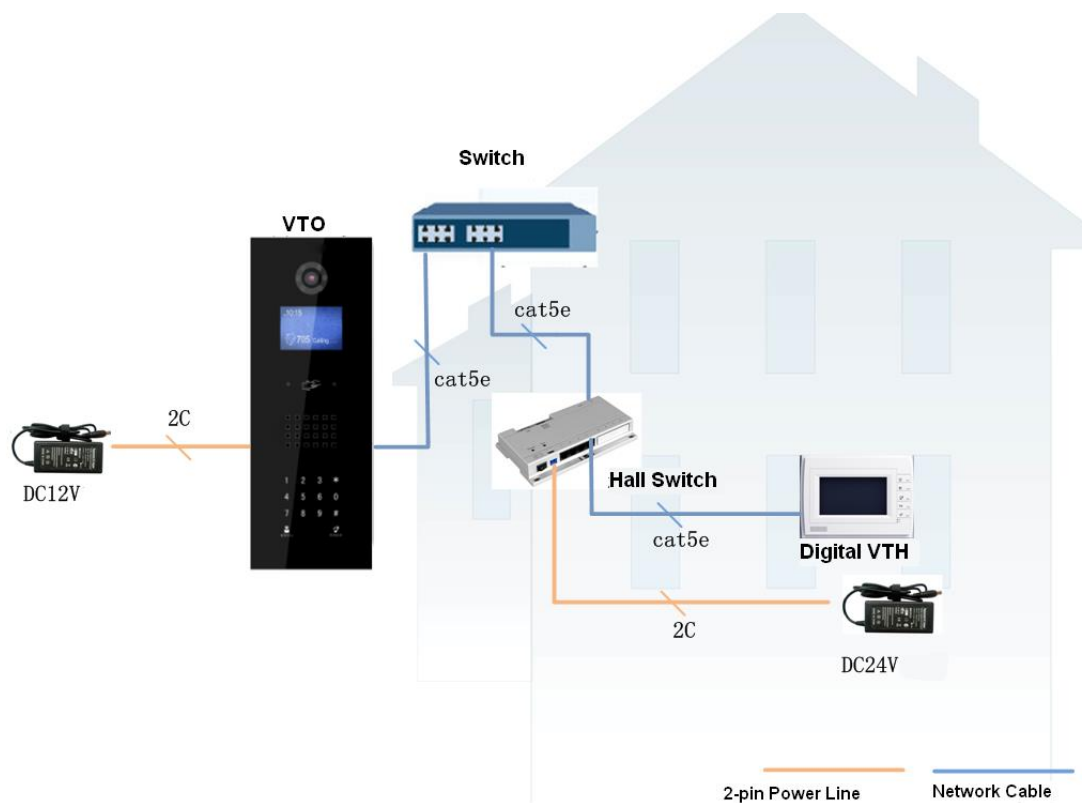


Figure 3-1

Note:

VTO port connects to IN port on switch. Among switch port 1-6, select any one port to connect to VTH which allows switch to power supply VTH.

3.2 Configure VTO

Configure VTO info, make sure there is communication among center, VTO and VTH.

Note:

Access VTO WEB config interface via PC, and please make sure PC and VTO both connect to the Internet and are in the same segment.

Step 1. Login WEB. Please refer to Ch 4.1.1.

Step 2. Set unit VTO as SIP server. Please refer to Ch 4.2.4.3.

Step 3. Set device position and LAN.

- a) Select System Config>Local Config>LAN Config. System shows LAN Config page, see Figure 3-2.

The screenshot shows the 'LAN Config' interface. On the left is a dark sidebar with a menu: 'System Config' (expanded), 'Local Config', 'LAN Config' (highlighted), 'Network Config', 'Video Set', 'User Manager', 'Upgrade Manager', 'Info Search', and 'Logout'. The main area is titled 'LAN Config' and contains the following fields and controls:

- Building No.: 1
- Building Unit No.: 1
- No.: 8001
- Call VTS Time: 00 : 00 To 23 : 59 Call VTS Or Not
- Support Building: Turn on Turn off
- Support Unit: Turn on Turn off
- Server Type: VTO

At the bottom, a red warning message reads: "Warning: The device needs reboot after modifying the config above." Below the warning are three buttons: "Default", "Refresh", and "OK".

Figure 3-2

- b) Set building no., building unit no. and etc.
- c) Check "Call VTS or Not", enable call to MGT center during the set time, do not call VTH.
- d) Click OK.

Step 4. Add digital VTH. Please refer to Ch 4.2.3.2.

Step 5. Set router. Please refer to Ch 4.2.4.4.

3.3 Configure VTH

Step 1. In digital VTH Project Setting interface, enter project setting password which is 888888 by default.

Step 2. In Local Info interface, enter room no.

Warning:

Digital VTH room no. must match VTH short no. set on WEB of VTO.

Step 3. In Net interface, fill in VTO name, VTO IP address, and set Enable status to enabled.


Note:

Please refer to VTH user's manual.

Step 4. In SIP Server interface, fill in SIP server IP address, network port and etc. Set enable status to enabled status.

- When unit VTO is used as SIP server, fill in unit VTO IP address.
 - When unit VTO is not used as SIP server, fill in other SIP server IP address.
- VTO SIP server setup refers to Ch 4.2.4.3.

3.4 Result Test

- On VTH, press monitor button to monitor VTH video.
- On VTO, press room no. +  to call corresponding VTH.

4 Web Function

4.1 Login/Logout

Different devices have different WEB display and functions, please subject to actual product.

4.1.1 Login

Step 1. In Internet Explorer, input VTO IP address as in Figure 4-1.



Figure 4-1

Step 2. You must input username and password in order to login WEB main interface.

Note:

Default username: admin

Default password: admin.

Please change password after first time login. Refer to Ch 4.2.6.3.

Step 3. Click Login.

4.1.2 Logout

Step 1. Select Logout>Logout>Logout. See Figure 4-2.

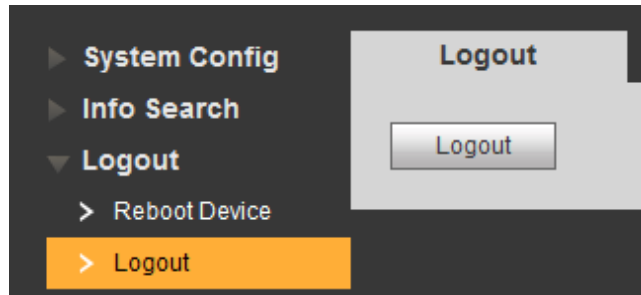


Figure 4-2

Step 2. Click Logout.

System exits WEB interface, returns to login interface. You also can reboot device in Logout>Reboot>Reboot interface.

4.2 System Config

4.2.1 Local Config

You can set local, access control, talk and etc. in Local Config interface.

4.2.1.1 Local Config

In page, select System Config>Local Config. Set parameter, and click on OK. See Figure 4-3.

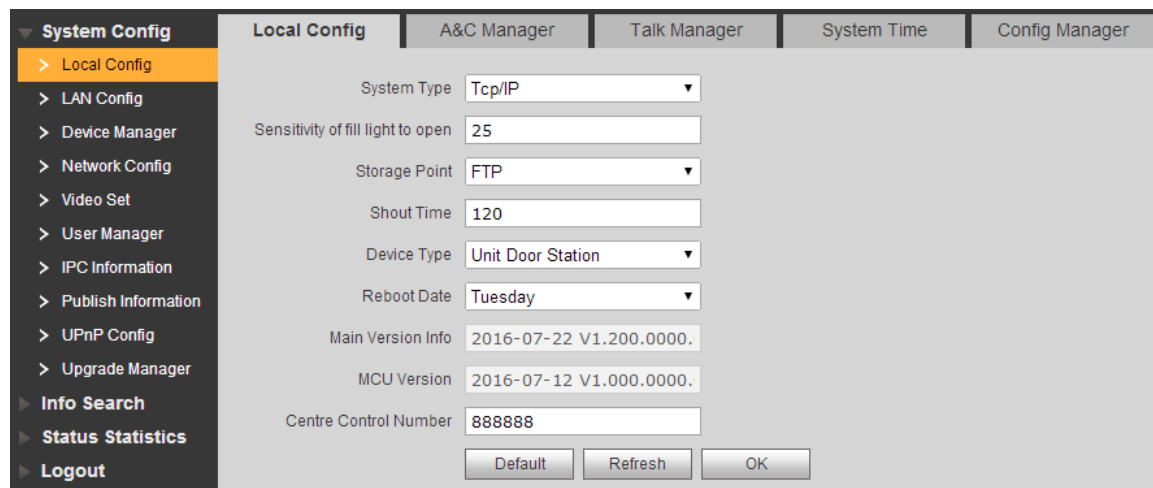


Figure 4-3

Parameter	Note
System Type	Unit VTO scene includes digital system networking and analog system networking. You can select corresponding system type.

Sensitivity of fill light to open	During video talk, if environment is dark, auto enables light.
Storage Point	Record, snapshot and other info can be stored in FTP server. Please refer to Ch 4.2.4.2.
Shout Time	Set VTH or MGT center call time with VTO.
Device Type	Display device type. Now it is unit VTO.
Reboot Date	In set date, device will reboot.
Main Version Info	View software version.
MCU Version	Show MCU version, for troubleshooting.
Centre Control Number	Default is 888888.
Default	Click Default to restore all parameters in this page to default.
Refresh	Click Refresh to refresh this page.
OK	Click OK to confirm page content.

4.2.1.2 A&C Manager

Go to System Config>Local Config>A&C Manager, you can set unlock responding interval, unlock period and etc.

See Figure 4-4.

The screenshot shows the 'A&C Manager' configuration page. The left sidebar contains a navigation menu with 'System Config' expanded to 'Local Config'. The main content area includes the following settings:

- Unlock Responding Interval: 15
- Unlock Period: 2
- Door Sensor Check Time: 30 (with checkbox 'Check Door Sensor Signal Before Lock')
- Open Door Command: 123
- Issue Card Password: [empty]
- Project Password: [empty]
- Lift Control Protocol: Dahua Protocol (with checkbox 'Lift Control Enable')
- New Unlock Password: [empty] (with checkbox 'Common Password Enable')
- New Unlock Password Confirm: [empty]
- New Menace Password: [empty] (with checked checkbox 'Menace Password Enable')
- New Menace Password Confirm: [empty]
- Auto Snapshot: Turn off (selected)

At the bottom, there are 'Default', 'Refresh', and 'OK' buttons.

Figure 4-4

Parameter	Note
Unlock Responding Interval	After being unlocked, interval before device responds to next unlock. Unit is second.
Unlock Period	After respond and unlock, time the door remained unlocked. Unit

	is second.
Door Sensor Check Time	Only when using door sensor lock, check “Check Door Sensor Signal Before Lock”, valid only when “door sensor check time” is set.
Check Door Sensor Signal Before Lock	When door open time exceeds set door sensor check time, and alarm occurs, you can view uploaded alarm in Info Search>Alarm Info>Alarm Info.
Open Door Command	Command from third party VDP.
Issue Card Password	Issue card password which may be changed.
Project Password	Enter project setup interface with this password, it is 888888 by default, may be changed.
Lift Control Protocol	Include local protocol and etc.
Lift Control Enable	Protocol can set floor reach by user. Check and enable lift control.
New Unlock Password	Check “Common Password Enable” to enable a consistent password, so each user can unlock with this new password.
New Unlock Password Confirm	
Common Password Enable”	
New Menace Password	Check “Menace Password Enable” to enable unlock function. In emergency, if you enter menace password, the device will report menace info to the MGT center.
New Menace Password Confirm	
Menace Password Enable	
Auto Snapshot	Once enabled, it will auto snapshot if you unlock via card, password. It also uploads snapshot to FTP.
Default	Restore all device parameters in the tab to default setting.
Refresh	Click Refresh to refresh the page.

4.2.1.3 Talk Manager

In System Config>Local Config>Talk Manager interface, you can set auto snapshot, publish overlay and etc. See Figure 4-5.

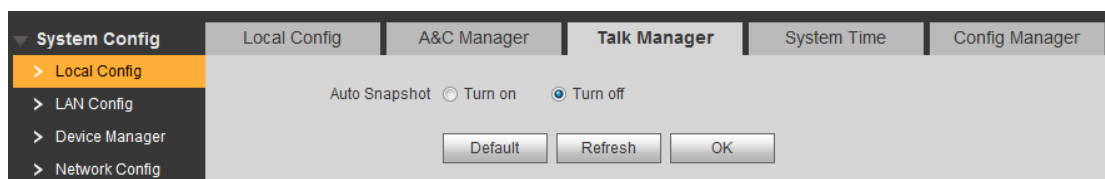


Figure 4-5

Parameter	Note
Auto Snapshot	Select "Turn on", so when a user calls, it will snapshot once and upload to FTP.
Analog Publish Overlaying	Select "Turn on", publish info auto overlays to System Config >Video Set > Video Set preview, and roll.
Remove Publish Info	Click "Remove Publish Info", delete all info in System Config> Publish Info > History.
Default	Click "Default", to restore all parameters in this page to default.
Refresh	Click "Refresh", to refresh this page.

4.2.1.4 System Time

In page, select System Config>Local Config>System Time.

Set date format, time format and system time. Click on OK as complete setup. Or click on Sync PC to make VTO time same as PC time. See Figure 4-6.

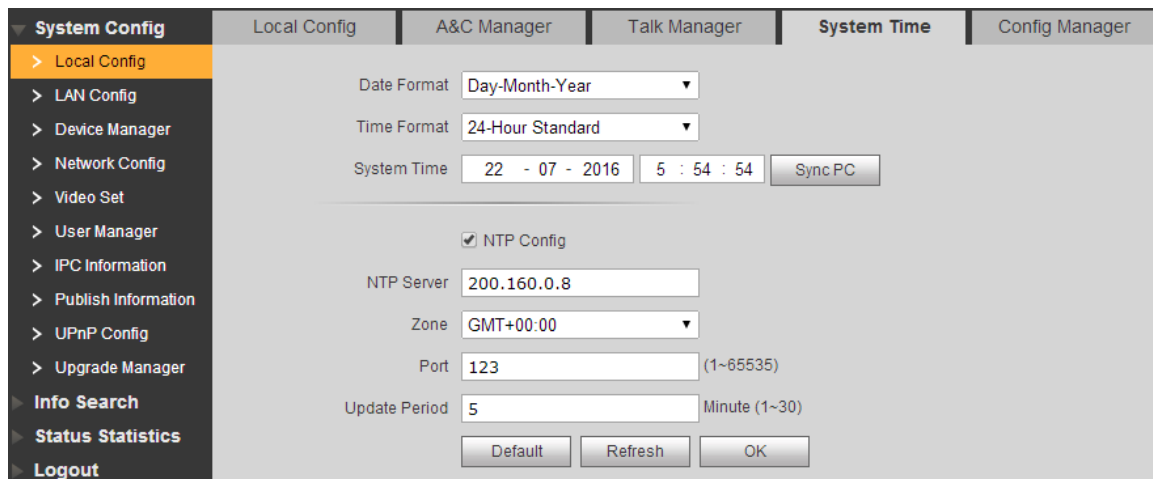


Figure 4-6

Parameter	Note
Date Format	Set date format of display.
Time Format	Set time format of display as 12-hour and 24-hour.
System Time	Set system display time.
Sync PC	Click "Sync PC", to sync system time with PC time.
NTP Config	Check "NTP Config", to enable NTP server net sync time.
NTP Server	You also can enter IP, zone, port and upgrade period (1min ~30min) of PC where NTP server is installed to set net time sync.
Zone	
Port	Note:
Upgrade Period	This device only supports TCP transmission, and port limit is 123.
Default	Click "Default", to restore all parameters in this page to default.
Refresh	Click "Refresh", to refresh this page.

4.2.1.5 Config Manager

In page, select System Config>Local Config>Config Manager. Here you can set export config, import config and default. See Figure 4-7.

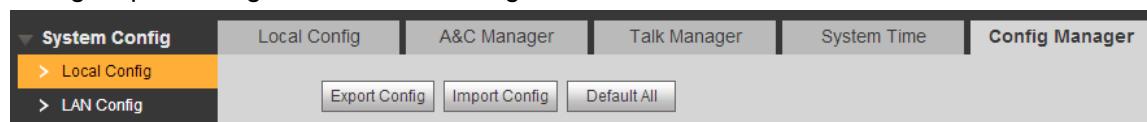


Figure 4-7

Parameter	Note
Export Config	Import or export system config file, when more than one device need to set the same parameter, a user can backup config file.
Import Config	
Default All	Device all parameters will be restored to default. Warning: Please back up first before perform this operation.

4.2.2 LAN Config

In page, select System Config>LAN Config, you can set VTO DND time as to call VTS time and group call and etc. See Figure 4-8.

After you have set config, go to Logout>Reboot>Reboot, click Reboot Device to make config effective.

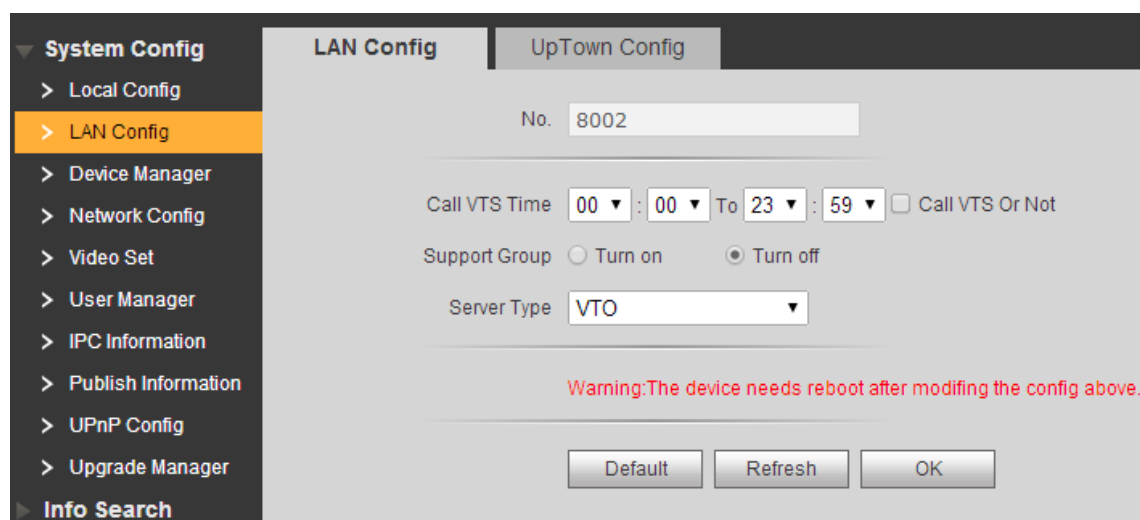


Figure 4-8

Parameter	Note
-----------	------

Parameter	Note
No.	Unit VTO no. Note: If the device is SIP server, a user can edit this no. SIP server setup refers to Ch 4.2.4.3.
Call VTS Time	Check "Call VTS or Not", to enable that the device only calls VTS, and does not call VTH within this period.
Call VTS or Not	
Support Group	Select "Enable", to call all VTHs in this room.
Server Type	Select server type of device. If this device is SIP server, select VTO for server type.
Default	Click "Default", to restore all parameters in this page to default.
Refresh	Click "Refresh", to refresh this page.

4.2.3 Device Manager

Note:

Visible if this device is used as SIP server.

Support to add, modify and delete VTO and VTH. One VTO supports more than one VTH.

4.2.3.1 Outdoor Station Manager

Note:

If the device is used as SIP server, then added VTO will be a sub VTO of this VTO.

Step 1. Select System Config>Device Manager>Outdoor Station Manager.

System shows Outdoor Station Manager interface.

Step 2. Click OK. System shows Add interface.

Step 3. Fill in VTO no., format is "80XX" and VTO IP address (optional).

See Figure 4-9.

Figure 4-9

Step 4. Click OK, to complete.

See Figure 4-10.

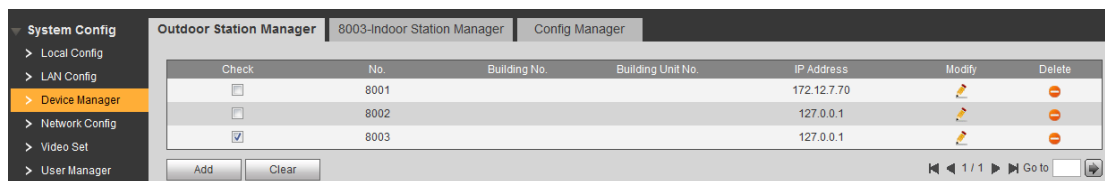




Figure 4-10

Click  to modify VTO parameter info. Click  to delete added VTO.

4.2.3.2 Indoor Station Manager

Warning:

After you have added a single VTH, we do not recommend you to batch add VTH, since this operation will overwrite original VTH. Please add VTH one by one after batch operation.

You can add VTH via either method below:

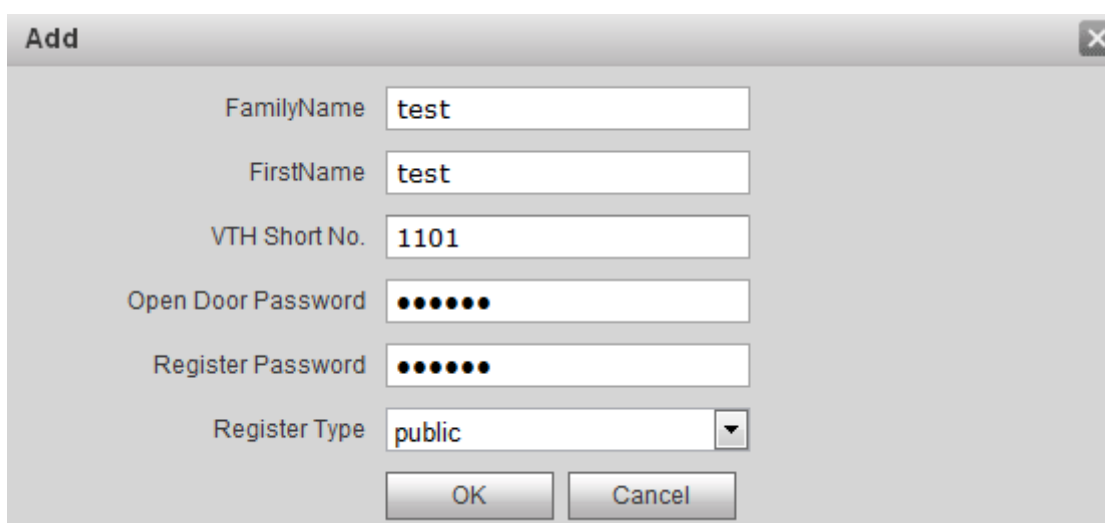
- Add one VTH

Step 1. Select System Config>Device Manager>Outdoor Station Manager. System shows Outdoor Station Manager interface.

Step 2. Check VTO you want to add VTH, such as 8001.

Step 3. Select “8001-indoor station manager” tab.

Step 4. Click Add. System shows Figure 4-11.



The 'Add' dialog box contains the following fields and controls:

- FamilyName: test
- FirstName: test
- VTH Short No.: 1101
- Open Door Password: [masked]
- Register Password: [masked]
- Register Type: public (dropdown menu)
- Buttons: OK, Cancel

Figure 4-11

Step 5. Configure parameters, see chart below.

Parameter	Note
Family Name	Set VTH username.
First Name	
VTH Short No.	As VTH room no. Note: <ul style="list-style-type: none"> VTH short no. is composed of 1-5 digits of number. If your VTH room no. need group call function, please make sure you have enabled group call in System Config>LAN Config>LAN Config, and add "-0" behind VTH short no., add "-1", "-1" and so forth behind extension short no. Otherwise, VTH will only calls main VTH when dial the room no.
Open Door Password	Unlock password of VTO correspond to the VTH.
Register Password	SIP system signal command interacting, use default is OK.
Register Type	

Step 6. Click OK, to complete VTH, see Figure 4-12.

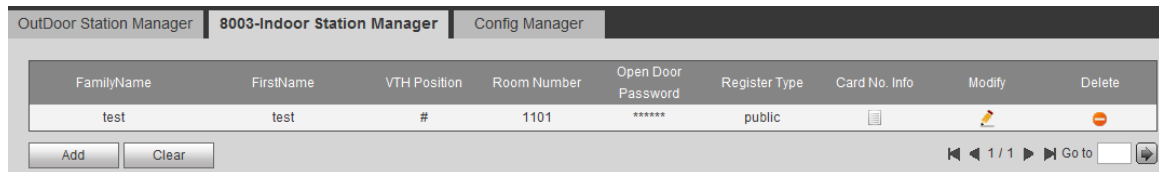


Figure 4-12

- Batch add VTH

Batch add multiple VTHs, up to 1024. For example, add 5 floors and each floor has 4 VTH.

Step 1. Select System Config>LAN Config>Residence Config. System shows Residence Config interface.

Step 2. Configure parameter, see Figure 4-13.

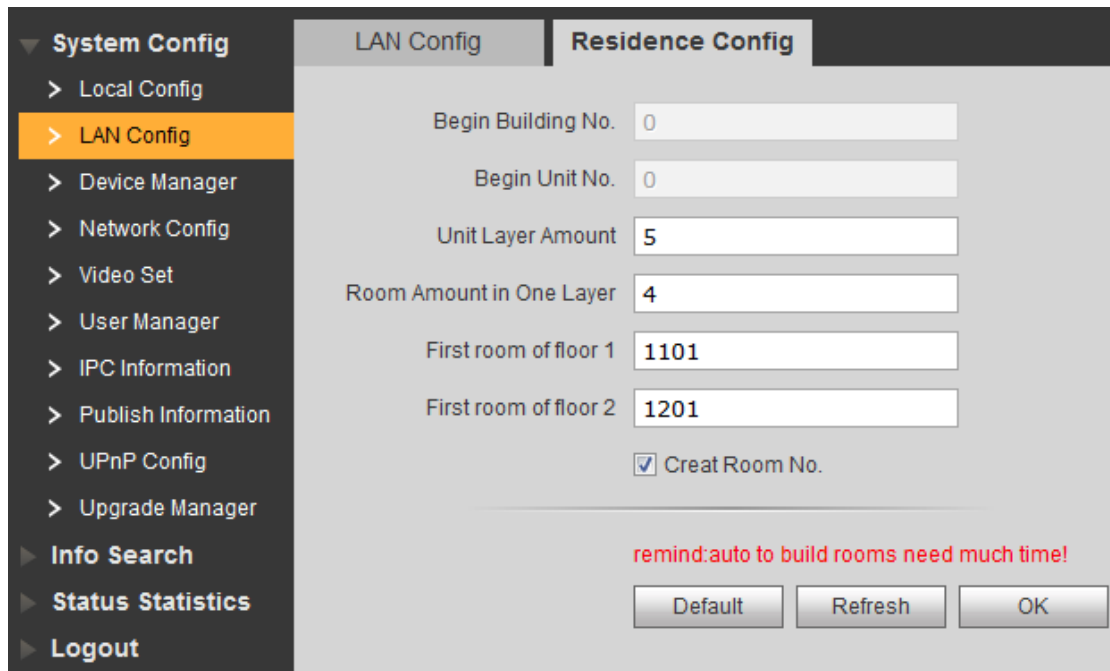


Figure 4-13

Step 3. Check Create Room No., to enable batch add VTH.

Step 4. Click OK.

See Figure 4-14.

FamilyName	FirstName	VTH Position	Room Number	Open Door Password	Register Type	Card No. Info	Modify	Delete
		#	1101	*****	public			
		#	1102	*****	public			
		#	1103	*****	public			
		#	1104	*****	public			
		#	1201	*****	public			
		#	1202	*****	public			
		#	1203	*****	public			
		#	1204	*****	public			
		#	1301	*****	public			
		#	1302	*****	public			
		#	1303	*****	public			
		#	1304	*****	public			
		#	1401	*****	public			
		#	1402	*****	public			
		#	1403	*****	public			
		#	1404	*****	public			
		#	1501	*****	public			
		#	1502	*****	public			
		#	1503	*****	public			
		#	1504	*****	public			

Figure 4-14

Click to modify VTH username, password, registration and its password. Click to delete VTH.


Tips:

If your VTH room no. need group call function, please make sure you have enabled group call in System Config>LAN Config>LAN Config, and add “-0” behind VTH short no., add “-1”, “-1” and so forth behind extension short no. Please refer to Ch 4.2.3.2.

4.2.3.3 Card Manager

Warning:

Please add VTH first and then issue card. Please refer to Ch 5.5.

In Figure 4-14, click , to view all issued cards under this VTH, see Figure 4-15 and chart below.

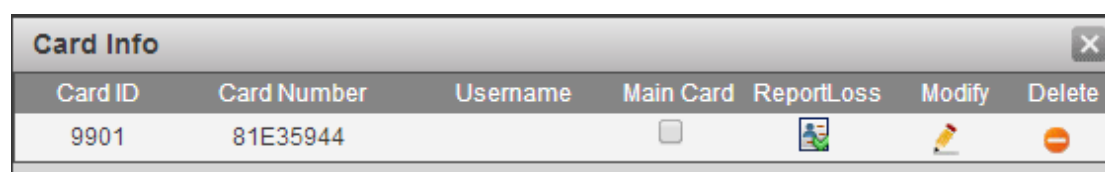





Figure 4-15

Parameter	Note
Card ID	Show IC card's card ID, username and VTH room. No.
Card Number	
Username	
Main Card	Check “main card”, set this IC card as main card. Note: Main card can issue card.
Report Loss	When IC card is lost, click  to report loss. After reporting loss, the IC card cannot unlock door.
Modify	Click  , to modify this IC card username.
Delete	Click  , to delete this IC card.

4.2.3.4 Config Manager

You can import or export system config file, when more than one device need to set same parameter, you can use backup config file.

Step 1. Select System Config>Device Manager>Config Manager.

See Figure 4-16.

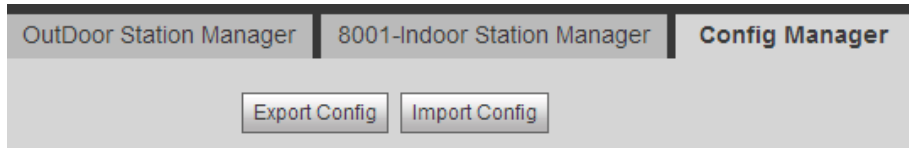


Figure 4-16

Step 2. Config import/export.

- Config export.
 1. Click “Export Config”. System shows Export box, see Figure 4-17.

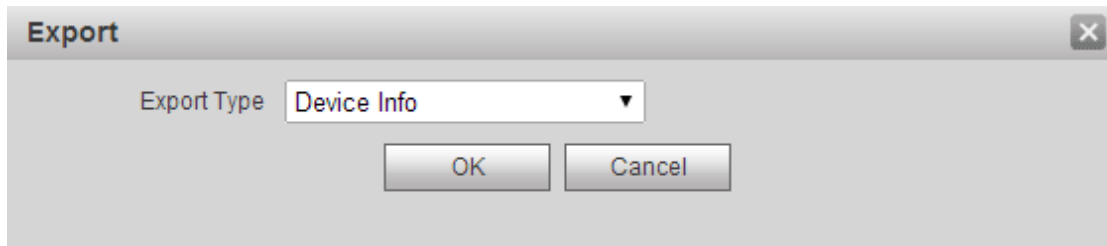


Figure 4-17

2. Select export type you need to export (device info/card info/password info).
3. Click OK.

System prompts “operation is successful.”, export is complete.

- Config import
 1. Click “Import Config”. System shows Import box.
 2. Select config file (.log) you need to import, click Open. System prompts “operation is successful.”, import is complete.

4.2.4 Network Config

4.2.4.1 TCP/IP

Go to System Config>Network Config>TCP/IP interface, you can set VTO IP address, subnet back, default gateway, see Figure 4-18.

Please refer to chart below. After config is complete, WEB interface and VTO will both reboot. After a while, WEB interface directly goes to new IP address.

You also can modify VTO IP in Project Setup>IP Setup local interface.

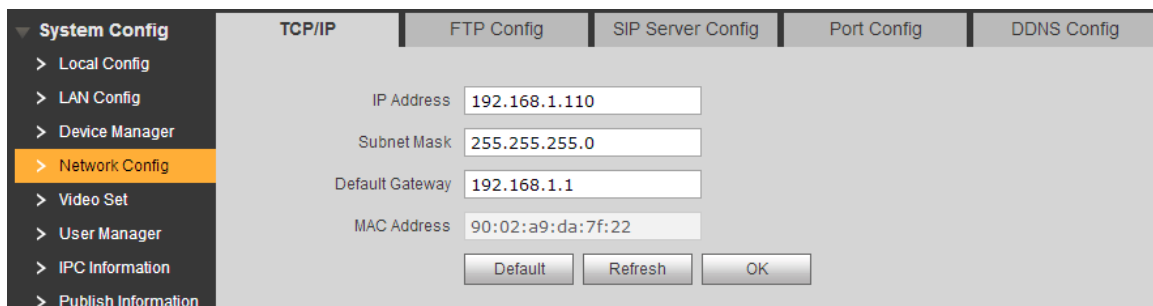


Figure 4-18

Parameter	Note
IP Address	Enter number as IP address.
Subnet Mask	According to actual condition, subnet mask prefix is number, enter 1~255, part of subnet prefix is a special network link, which in general include a layer structure.
Default Gateway	According to actual condition, it must be in the same segment with IP address.
MAC Address	Show device MAC address.
Default	Click "Default", to restore all parameters in this page to default.
Refresh	Click "Refresh", to refresh this page.

4.2.4.2 FTP Config

Back up record and picture to set FTP server for storage and view.

Note:

FTP is enabled by default.

Step 1. Select System Config>Network Config>FTP Config. See Figure 4-19.

Figure 4-19

Step 2. Configure interface parameter, see chart below.

Parameter	Note
IP Address	Host IP address where FTP is installed.
Port No.	Default is 21.
Username	Username and password to access FTP server.
Password	

Step 3. Click OK, to complete FTP setup.

4.2.4.3 SIP Server

- When unit VTO is as SIP server, one SIP server can manage 200 units of device. Set the device to be SIP server, operation as follows:

Step 1. Select System Config>Network Config>SIP Server. See Figure 4-20.



The screenshot shows the 'SIP Server Config' interface. On the left is a navigation menu with 'System Config' expanded and 'Network Config' selected. The main area has tabs for 'TCP/IP', 'FTP Config', 'SIP Server Config', 'Port Config', and 'DDNS Config'. The 'SIP Server Config' tab is active, showing fields for IP Address (192.168.1.111), Port (5060), Username (8001), Password (masked), and SIP Domain (VDP). A 'Sip Server Enable' checkbox is checked. A red warning message states: 'Warning: The device needs reboot after modifying the SIP server enable.' At the bottom are 'Default', 'Refresh', and 'OK' buttons.

Figure 4-20

Step 2. Check “SIP Server Enable”, to enable the device as SIP server.

After complete, unit VTO will reboot.

- When unit VTO is not as SIP server, you can select other SIP server, and setup as follows:

Step 1. Select System Config>Network Config>SIP Server Config.

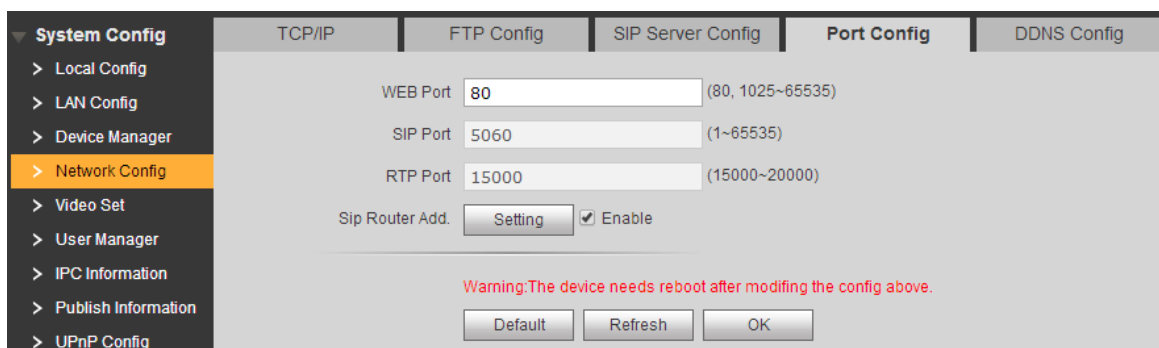
System shows SIP Server Config interface.

Step 2. Enter SIP server IP address, port, username (unit VTO no.), password and SIP domain. (optional)

Step 3. Click OK.

4.2.4.4 Port Config

Step 1. Select System Config>Network Config>Port Config. See Figure 4-21.



The screenshot shows the 'Port Config' interface. On the left is a navigation menu with 'System Config' expanded and 'Network Config' selected. The main area has tabs for 'TCP/IP', 'FTP Config', 'SIP Server Config', 'Port Config', and 'DDNS Config'. The 'Port Config' tab is active, showing fields for WEB Port (80), SIP Port (5060), and RTP Port (15000). A 'Sip Router Add.' section has a 'Setting' button and a checked 'Enable' checkbox. A red warning message states: 'Warning: The device needs reboot after modifying the config above.' At the bottom are 'Default', 'Refresh', and 'OK' buttons.

Figure 4-21

Step 2. Configure parameter, see chart below.

Parameter	Note
WEB Port	Set port to login unit VTO WEB interface, default is 80; you also can go to VTO host “project setting > WEB port” to view WEB port no. If the port is occupied, you can use 1025~65535 range, in browser enter Figure 4-21 to visit VTO WEB interface.
SIP Port	SIP server port, default is 5060.
RTP Port	Video pull stream port, default is 15000.
SIP Router Add	Check “Enable” to enable router function.
Setting	Click “router setup”, in pop-up box enter H700 platform IP address, port no. is 5080.

Step 3. Click OK.

4.2.4.5 DDNS Config

DDNS (Dynamic Domain Name Server) , is dynamic upgrade of domain name and IP address of DNS server when device IP address is changing frequently. This can guarantee user access to device via domain name.

Warning:

- Before config, please make sure the device support DNS type, and login corresponding DDNS username, password and etc.
- User register on DDNE website and login, thus can view all connected device info under this user.

Step 1. Select System Config>Network Config>DDNS. See Figure 4-22.

Figure 4-22

Step 2. Check Enable to enable DDNS server function.

Step 3. Config parameter, refer to chart below.

Parameter	Note
-----------	------

Parameter	Note
Server Type	DDNS server provider name and address, corresponding relation as follows.
Server Name	Dyndns DDNS address: members.dyndns.org NO-IP DDNS address is: dynupgrade.no-ip.com As select "server type" to be NO-IP DDNS, server name is dynupgrade.no-ip.com.
Server Port	DDNS server port.
Domain	User registered domain on DDNS server provider website.
User	Enter username and password received from DDNS server provider. User shall register on DDNS server provider website (username and password included).
Password	
DDNS Live Time	DDNS server live time.

Step 4. Click OK, to complete DDNS server setup.

In PC web browser enter domain name, and press Enter. If it shows device WEB page, the operation is successful. If not, config failed.

4.2.5 Video Set

4.2.5.1 Video Set

In page, select System Config>Video Set>Video Set.

You can set camera brightness, contrast, HUS and etc. See

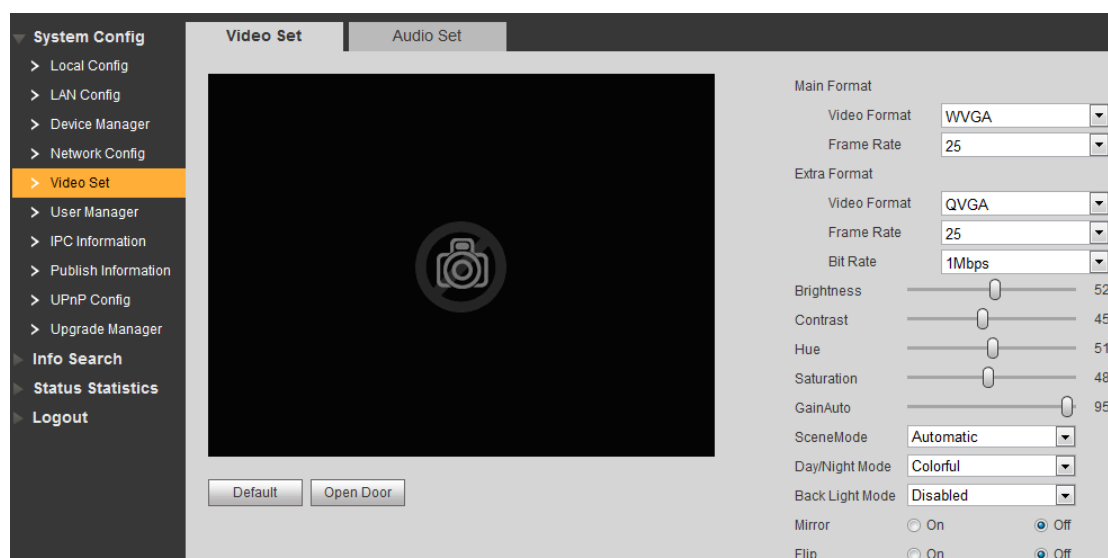


Figure 4-23

Note:

If you cannot see video, please install plug in first.

Parameter		Note
Main Format	Video Format	Adjust video resolution, as WVGA and D1. <ul style="list-style-type: none">● WVGA: resolution is 800×480.● D1: resolution is 720×576.
	Frame Rate	Adjust video transmission speed, as 3 and 25, 30 fps.
Extra Format	Video Format	Adjust video resolution, as WVGA and D1, QVGA: <ul style="list-style-type: none">● WVGA: resolution is 800×480.● D1: resolution is 720×576.● QVGA: : resolution is 320×240.
	Frame Rate	Adjust video transmission speed, as 3 and 25, 30 fps.
	Bit Rate	According to actual device input network, select bit rate, as 256Kbps, 512Kbps, 1Mbps, 2Mbps and 3Mbps.
Brightness		Adjust video brightness
Contrast		Adjust video contrast
HUE		Adjust video HUE
Saturation		Adjust video saturation
Gain Mode		Auto mode: system automatically adjusts.
Scene Mode		Includes: disabled, automatic, sunny and night.
Day/Night Mode		Includes: colorful, automatic, black white.
Back Light Mode		Four modes available:
Mirror		Horizontally flip video.
Flip		Vertically flip video.
Default		Restore all parameter in video set tab to default.
Unlock		Click on unlock to remotely unlock door lock.

4.2.5.2 Audio Set

Go to System Config>Video Set>Audio Set interface, you can set MIC volume and beep volume. See Figure 4-24.

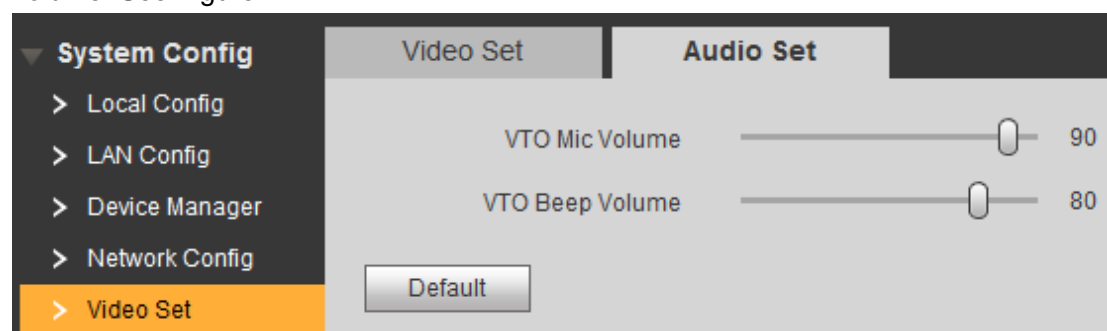


Figure 4-24

4.2.6 User Manage

4.2.6.1 Add User

Step 1. In page, select System Config>User Manager.

Step 2. Click on Add User.

Step 3. In pop-up box fill in user info. See Figure 4-25.

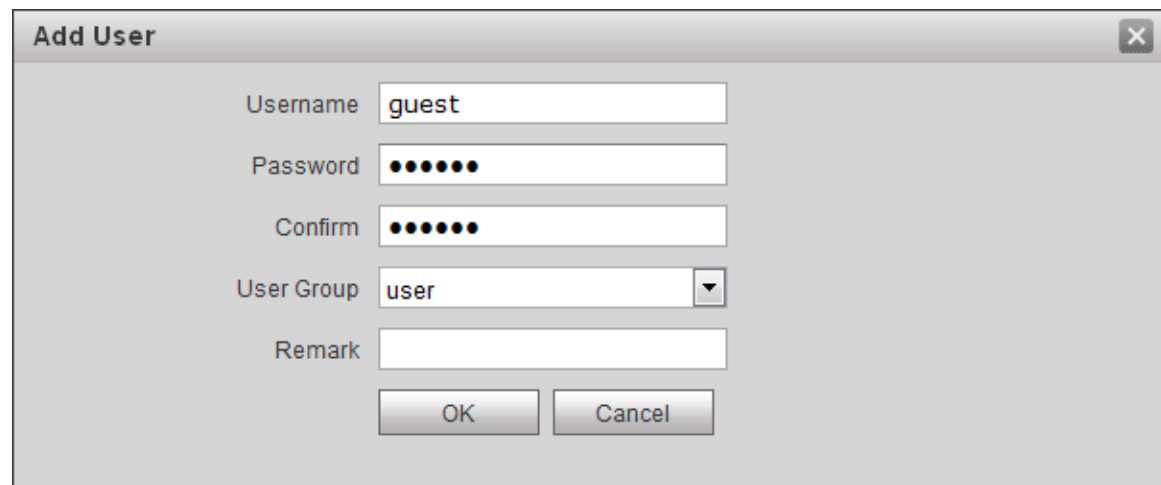


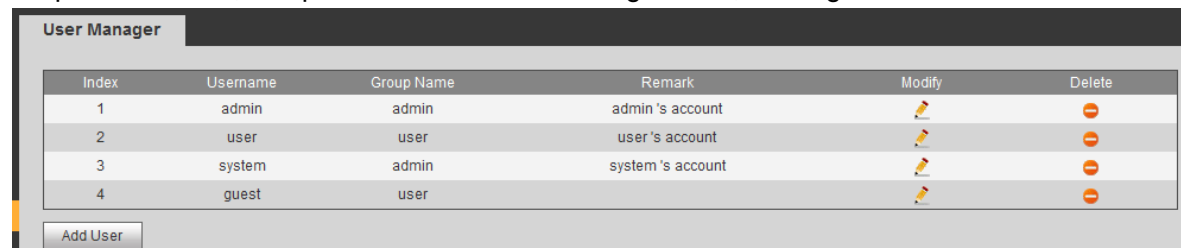
Figure 4-25

Note:

Currently the system supports two user types: admin and user.

- Admin has higher rights with full operation rights.
- User can only view system configuration, unlock, export record, send publish info and modify user password.

Step 4. Click OK, complete WEB interface adding of user, see Figure 4-26.













Index	Username	Group Name	Remark	Modify	Delete
1	admin	admin	admin's account		
2	user	user	user's account		
3	system	admin	system's account		
4	guest	user			

Figure 4-26

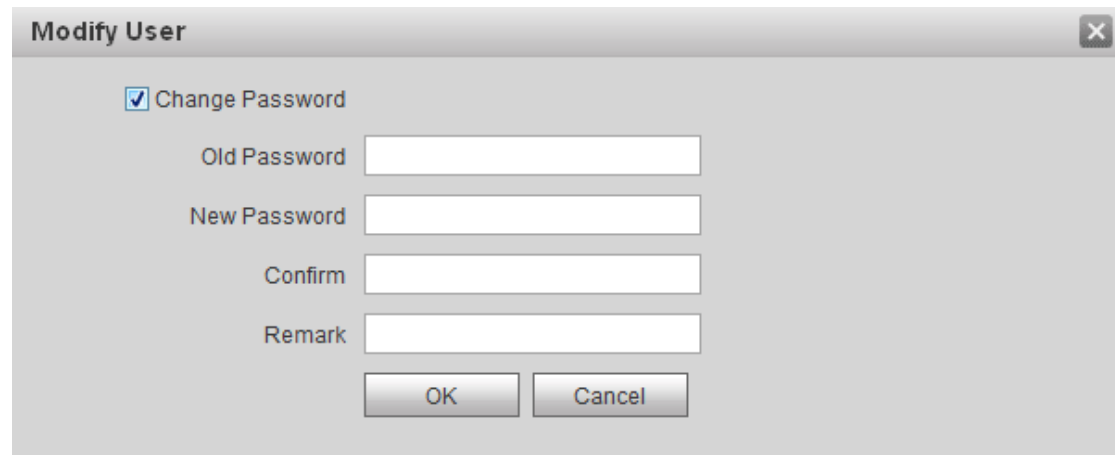
4.2.6.2 Delete User

In User Manage interface, click on  to delete user.

4.2.6.3 Modify User

Step 1. Select user you want to modify, click .

Step 2. Check "Change Password", see Figure 4-27.



The screenshot shows a dialog box titled "Modify User" with a close button (X) in the top right corner. Inside the dialog, there is a checked checkbox labeled "Change Password". Below this, there are four text input fields: "Old Password", "New Password", "Confirm", and "Remark". At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

Figure 4-27

Step 3. Enter old password, new password and confirm new password.

Step 4. Click OK.

4.2.7 IPC Information

Note:

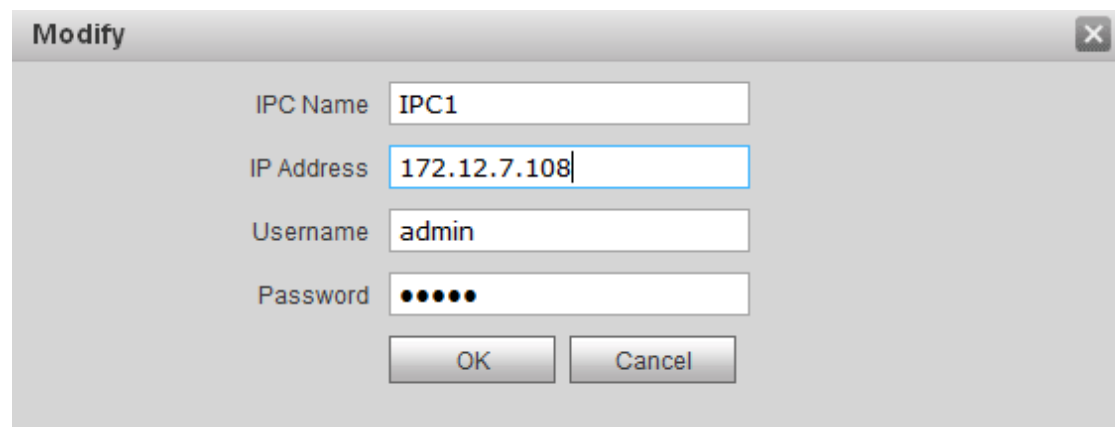
Visible when this device is as SIP server.

You can add up to 20 IPCs, and added cameras will be auto synced with VTH.

To add IPC:

Step 1. Select System Config>IPC Information>IPC Information.

Step 2. Click , system pops up a bo. See Figure 4-28.



The screenshot shows a dialog box titled "Modify" with a close button (X) in the top right corner. Inside the dialog, there are four text input fields: "IPC Name" containing "IPC1", "IP Address" containing "172.12.7.108", "Username" containing "admin", and "Password" containing six dots. At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

Figure 4-28

Step 3. Fill in IPC information, see chart below.

Parameter	Note
IPC Name	IPC name.
IP Address	IPC IP.
Username	Login IPC WEB interface username and password.
Password	

Step 4. Click OK.

4.2.8 Publish Information

In Publish Information page, you can send publish information and view historical information.

Note:

Visible when the device is as SIP server.

4.2.8.1 Send Info

In page, select System Config>Publish Information>Send Info. You can set validity published info, select device to send info or check “all devices” and etc. Click Send, see Figure 4-29.

System Config

- > Local Config
- > LAN Config
- > Device Manager
- > Network Config
- > Video Set
- > User Manager
- > IPC Information
- > Publish Information
- > UPnP Config
- > Upgrade Manager

Info Search

Status Statistics

Logout

Send Info | History Info

Period of validity 2016 - 07 - 22 23 : 59 : 59

Send to All devices

Title notice

Content test

Note: the connect to allow the maximum number of characters is 256.

Send Cancel

Figure 4-29

4.2.8.2 History Info

In page, select System Config>Publish Information>History Info.

You can view historical information, click on  to delete information. See Figure 4-30.

You also can go to System Config>Local Config>Talk Manager interface, to delete publish info.

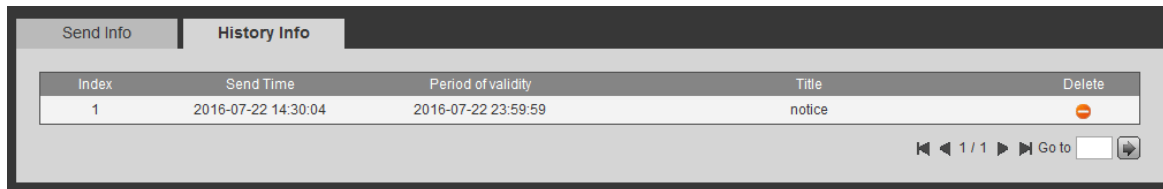


Figure 4-30

4.2.9 UPnP Setup

Note:

Visible when the device is set as SIP server.

Warning:

- Login router, set router WAN port IP address connection to WAN.
- Router enables UPnP function.
- Connect device to router LAN port, to private network.

Via UPnP protocol create mapping relationship between private network and outer network. Outer network user can visit device in LAN via outer IP address.

Step 1. Select System Config>UPnP Setup>General.

Step 2. Check “UPnP Enable” to enable UPnP function.

Step 3. Click Add. See Figure 4-31.

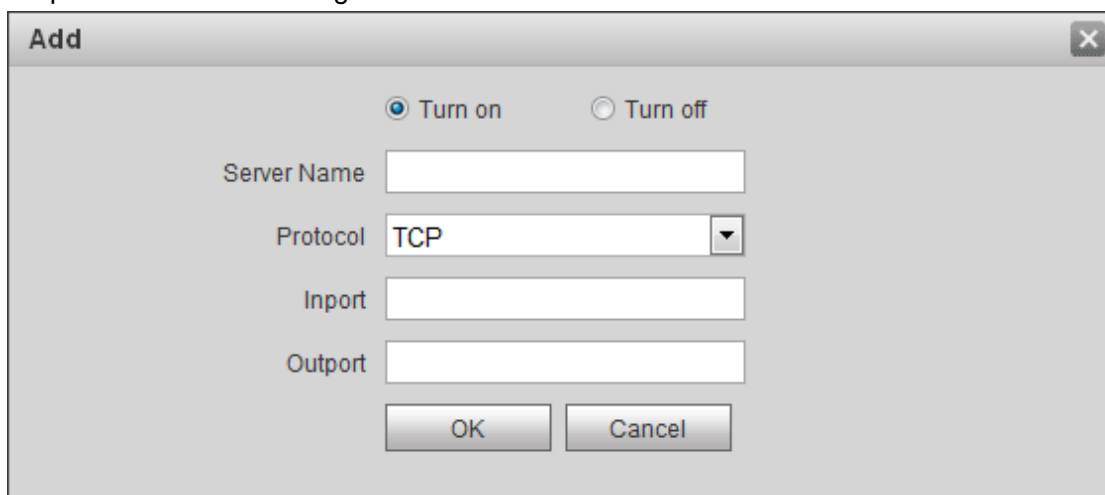


Figure 4-31

Step 4. Enable UPnP function, select enable, see chart below.

Parameter	Note
Server	Server name.

Parameter	Note
Name	
Protocol Type	Select protocol type, TCP or UDP.
Inport	Port to mapping.
Outport	Port mapped on router.

Note:

- When you set router mapping outer port, try use port within 1024~5000, to avoid using well-known port 1~255 and system port 256~1023.
- When there are multiple devices in the same LAN, please plan for port mapping, to eliminate multiple device mapping to one external port.
- For port mapping in progress, please make sure mapping port is not occupied or limited.
- Internal/external ports must be identical, cannot be modified.

Step 5. Click OK, to complete UPnP setup.

In browser, enter <http://WAN IP: WAN port> to visit corresponding router port no. of private device.

4.2.10 Upgrade File

Warning:

- During upgrade, please do not cut off power or network, reboot or shut down device.
- Please select the correct upgrade file, since wrong upgrade program may cause device crash down.
- Please make sure SD card is inserted.

Upload, delete upgrade file, store upgrade file in SD card.

Step 1. Select Info Search>Upgrade File Manager> Upgrade File Manager, see Figure 4-32.

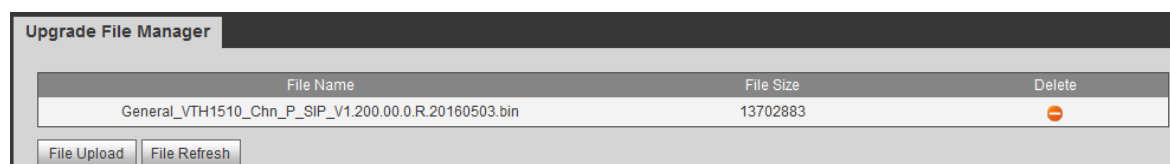


Figure 4-32

Step 2. Click Upgrade, select upgrade file (.bin).

After upgrading is complete, all VTHs having communication with the VTH, can get upgrade file in version management page which can upgrade VTH.

Note:

If you want to upload more than one upgrade file, VTH only received the latest file sent.

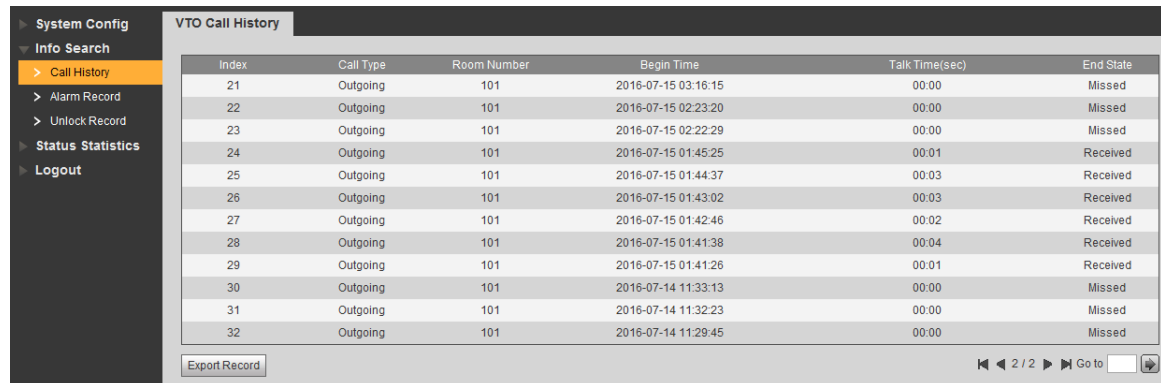
4.3 Info Search

You can view call record, alarm record and unlock record.

4.3.1 Call Record

Store up to 1024 records.

Select Info Search>Call History>Call History. You can search VTO call records, including call type, room no., start time, call time and end status. See Figure 4-33.



The screenshot shows the 'VTO Call History' interface. On the left is a navigation menu with 'Call History' selected. The main area displays a table with the following columns: Index, Call Type, Room Number, Begin Time, Talk Time(sec), and End State. The table contains 12 rows of data, all with 'Room Number' 101. The 'Call Type' is 'Outgoing' for all. The 'End State' varies between 'Missed', 'Received', and 'Missed'. At the bottom, there is an 'Export Record' button and a pagination control showing '2 / 2'.

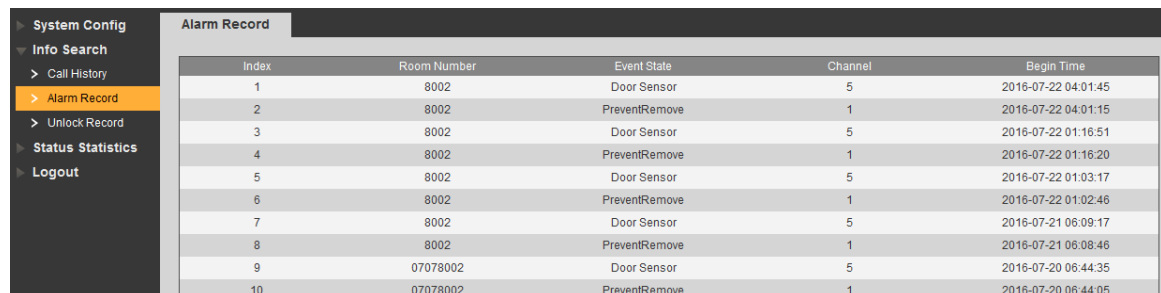
Index	Call Type	Room Number	Begin Time	Talk Time(sec)	End State
21	Outgoing	101	2016-07-15 03:16:15	00:00	Missed
22	Outgoing	101	2016-07-15 02:23:20	00:00	Missed
23	Outgoing	101	2016-07-15 02:22:29	00:00	Missed
24	Outgoing	101	2016-07-15 01:45:25	00:01	Received
25	Outgoing	101	2016-07-15 01:44:37	00:03	Received
26	Outgoing	101	2016-07-15 01:43:02	00:03	Received
27	Outgoing	101	2016-07-15 01:42:46	00:02	Received
28	Outgoing	101	2016-07-15 01:41:38	00:04	Received
29	Outgoing	101	2016-07-15 01:41:26	00:01	Received
30	Outgoing	101	2016-07-14 11:33:13	00:00	Missed
31	Outgoing	101	2016-07-14 11:32:23	00:00	Missed
32	Outgoing	101	2016-07-14 11:29:45	00:00	Missed

Figure 4-33

4.3.2 Alarm Record

Store up to 1024 records, including door sensor alarm, vandal-proof alarm and etc.

Select Info Search>Alarm Record>Alarm Record interface, you can search unit VTO alarm, including room no., alarm status and etc, see Figure 4-34.



The screenshot shows the 'Alarm Record' interface. On the left is a navigation menu with 'Alarm Record' selected. The main area displays a table with the following columns: Index, Room Number, Event State, Channel, and Begin Time. The table contains 10 rows of data. The 'Room Number' is either 8002 or 07078002. The 'Event State' is either 'Door Sensor' or 'PreventRemove'. The 'Channel' is either 1 or 5. The 'Begin Time' ranges from 2016-07-22 to 2016-07-20.

Index	Room Number	Event State	Channel	Begin Time
1	8002	Door Sensor	5	2016-07-22 04:01:45
2	8002	PreventRemove	1	2016-07-22 04:01:15
3	8002	Door Sensor	5	2016-07-22 01:16:51
4	8002	PreventRemove	1	2016-07-22 01:16:20
5	8002	Door Sensor	5	2016-07-22 01:03:17
6	8002	PreventRemove	1	2016-07-22 01:02:46
7	8002	Door Sensor	5	2016-07-21 06:09:17
8	8002	PreventRemove	1	2016-07-21 06:08:46
9	07078002	Door Sensor	5	2016-07-20 06:44:35
10	07078002	PreventRemove	1	2016-07-20 06:44:05

Figure 4-34

Click Export to export VTO alarm record.

4.3.3 Unlock Record

Unlock record stores up to 1000 records, including remote unlock, card unlock and button unlock.

In Info Search>Unlock Record>VTO Unlock Record interface, you can search unit VTO unlock status, including unlock type, unlock time and etc. See Figure 4-35.

Index	Unlock Type	Room Number	Username	Card Number	Unlock Result	Unlock Time
1	Brush Card Unlock	9901		81e35944	Success	2016-07-20 09:16:58
2	Brush Card Unlock	9901		81e35944	Success	2016-07-20 09:16:51
3	Brush Card Unlock	9901		81e35944	Success	2016-07-20 09:16:37
4	Brush Card Unlock	9901		81e35944	Success	2016-07-19 09:03:06
5	Brush Card Unlock	9901		81e35944	Success	2016-07-19 09:03:02
6	Brush Card Unlock	9901		81e35944	Success	2016-07-19 09:02:36
7	Brush Card Unlock	9901		81e35944	Success	2016-07-19 09:02:32
8	Brush Card Unlock	9901		81e35944	Success	2016-07-19 09:02:22
9	Brush Card Unlock	9901		81e35944	Success	2016-07-19 09:02:17
10	Brush Card Unlock	9901		81e35944	Success	2016-07-19 07:28:05
11	Brush Card Unlock	9901		81e35944	Success	2016-07-19 06:55:07
12	Brush Card Unlock	9901		81e35944	Success	2016-07-19 06:54:58
13	Brush Card Unlock	9901		81e35944	Success	2016-07-19 06:54:47
14	Brush Card Unlock	9901		81e35944	Success	2016-07-19 06:54:38
15	Brush Card Unlock	9901		81e35944	Success	2016-07-19 06:54:27
16	Brush Card Unlock	9901		81e35944	Success	2016-07-19 06:54:20
17	Brush Card Unlock	9901		81e35944	Success	2016-07-19 06:54:16
18	Remote Unlock	101-1			Success	2016-07-18 02:56:07
19	Remote Unlock	101-0			Success	2016-07-18 01:18:50
20	Password Unlock	101			Success	2016-07-15 09:35:44

Figure 4-35

Click Export Record to export VTO unlock record.

4.4 Status Statistics

Warning:

If you have added one VTH, and it has never been online or has been offline over 3 minutes, then go to Status Statistics>VTH Status>VTH Status interface, you will not search out its status.

In Status Statistics>VTH Status>VTH Status interface, you can view VTH connection status, IP port and etc. See Figure 4-36.

VTH	Status	IP Port	Reg Time	Off Time

Figure 4-36

- Status

Offline: VTO and VTH are not connected, you cannot call, monitor, talk or etc.

Online: VTO and VTH are connected, you can call, monitor, talk and etc.

- MON




Unmon: VTH is not monitoring.

Onmom: VTH is monitoring.






5 Device Operation

5.1 Call





5.1.1 Call MGT Center

In standby status, press  or  button, this VTO will call center. The video door phone begins when the port picks up. During the whole process, you can press the button  or ***** to end current talk and return to the standby interface.

5.1.2 Call VTH

In standby status, enter room no. or press  or  to select room no. in contacts, and press  or  to call VTH. The video door phone begins when the VTH picks up. During the whole process, you can press the button  or ***** to end current talk and return to the standby interface.

5.1.3 Group Call VTH

In standby status, enter room no. or press  or  to select room no. in contacts, and press  or  to call VTH. All VTHs under this room will ring at the same time.

Note:

Group call can be set in System Config>Network Config> Network Config.

5.2 Unlock

5.2.1 VTH, MGT Center Remotely Unlock

When center is called, calling or monitoring, VTH or center can remotely unlock door. VTO will return to standby interface after call ends or countdown stops.

5.2.2 IC Card Unlock

Swipe authorized IC card on VTH, after verification is passed, door is unlocked.

Note:

Please refer to Ch 5.5 for card issuing.


5.2.3 Button Unlock

Press unlock button on VTH to unlock.

5.2.4 Password Unlock



You can unlock via personal password, uniform password and duress password.

- Personal password can be set in System Config>Device Manager>Indoor Manager.

Select VTH, click  to modify VTH unlock password.

- Uniform password can be set in System Config>Local Config>A&C Manager.

5.2.4.1 Personal Password Unlock

In standby status, press  or # , enter 5-digit room no. (fill in 0 for blank digits)+personal unlock passwrd, and press  or # to unlock.

For example, personal password is “123456”, then enter “01101123456”.

5.2.4.2 Uniform Password

In standby status, press **#** or **#**, enter uniform password (default is :123456”), and press **#** or **#** to unlock.
i.e.: #123456#.

5.2.4.3 Duress Password Unlock

When a user encounter duress, press **#** or **#**, to enter duress password (“654321” by default), and press **#** or **#** to unlock.
If XX user unlock: #654321#, now the system sends alarm to MGT center.

5.3 Monitor

Both MGT center and VTH can monitor VTO.

5.4 Modify Local Config

5.4.1 Enter Project Settings Interface


In the standby status, press **#** or **#**, input password as 888888 and then press **#** or **#** to enter installation setup interface. Select up/down via button 2 and 8, press ***** or ***** to enter sub-interface.

5.4.2 Modify IP

In Project Settings --- IP setup interface, select up/down/left/right via button 2,8,4,6, press **#** or **#** to enter/exit IP modification status. When you finish, press ***** or ***** to exit modification interface.


After modification is complete, VTO will reboot.


5.4.3 Modify Volume Config

In Project Setting>Volume interface, adjust volume via button 4 and 6. When you finish, press  or * to exit modification interface.

5.5 Issue Card



You can issue card via main card and password.

In Project Settings>Card Issuing interface, select to issue card with main card or password via button 2 and 8. Press  or * to enter sub-interface.

- Issue with main card: Under issuing card with main card interface, fill in room no. of the card to be authorized, and swipe it. When it says the card has been authorized successfully, press  or * to exit.

Note:

Before issuing card, please make sure the IC card is set as main card, please refer to Ch 4.2.3.3.

- Issue with password: Under issuing card with password interface, enter issuing password 002236, press  or # to enter, fill in room no. of the card to be authorized, and swipe it. When it says the card has been authorized successfully, press  or * to exit.

Note:

Please refer to Ch 4.2.1.2 for password setup.

5.6 Web Port View

Go to Project Settings>WEB Port to view WEB port no., default is 80.

In browser enter <http://WAN IP: WAN port> to visit VTO WEB interface.

5.7 Project Password Change

Go to Project Settings>Change Password interface, enter “new password” and “confirm new password”, to change password.

5.8 Room No. Manager

Go to Project Settings>Add Room No. interface, enter room no. in 1-5 digits, to add room no. You can search out added room no. in contact.

Appendix 1 Specifications

Model	VTO1220A	VTO1220B(W)	VTO1210A-X	VTO1210B(W)-X	VTO1210C-X	VTO6221B(W)
OS						
Main Processor	Embedded micro processor					
OS	Embedded LINUX OS					
Video						
Video Compression Standard	H.264					
Input/Approaching Induction	1.3 megapixel camera					2.0 megapixel camera
Back Light	Support					
Auto Light Compensation	Support					
Audio						
Input	Omnidirectional microphone					
Output	Built-in speaker					
Bidirectional Talk	Support dual-way bidirectional talk					
Display						
LCD Dimensions	3.5-inch TFT screen	3-inch STN screen				3.5-inch TFT screen
Resolution	320*240	128*64				320*240
Operation Mode						
Input	Digital keypad	Touch keypad	Digital keypad	Touch keypad	Digital keypad	Touch keypad
Card	Built-in IC card induction reader					
Approaching Induction						
Body Approaching	IR, about 1 meter					
Alarm						
Vandal proof	Support					
Access Control						
NO/NC Output	Support					
Door on/off Button	Support					
Door Status Detect	Support					
Network						

Ethernet	10M/100Mbps Self-adaptive					
Network Protocol	TCP/IP					
Storage						
Memory	128MB				512MB	
SD Card	N/A				4G	
General						
Power	DC 12V					
Power Consumption	Standby≤1W ; work≤10W					
Working Environments	-40°C~+60°C					
	10~95%RH					
Water Proof	IP53	IP65	IP53	IP65	IP53	IP65

Note:

- **This manual is for reference only. Slight difference may be found in user interface.**
- **All the designs and software here are subject to change without prior written notice.**
- **All trademarks and registered trademarks are the properties of their respective owners.**
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