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# **VTO1210C\_X User's Manual**

**V1.0.0**

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## **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!

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## 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 Product Introduction

Unit VTO is part of video talk system, and it connects to VTH, providing a bidirectional video talk between visitor and resident for the purpose of dual identification of image and audio.

## 1.2 Features

- Video Talk  
When VTH, VTO and MGT center (management center) are configured successfully, it can achieve bidirectional talks among each two parties of VTO, VTH and MGT center.
- Add Multiple VTHs  
You can add more than one VTH at once.
- IP Auto Allocation  
In VTO config interface, after you have set IP segment, you only need to input room no. when adding VTH, without manual input.
- Multiple Methods to Unlock  
You can unlock door via password

## 2 VTO1210C-X Structure

### 2.1 Front Panel

Plug to power, system boots up and wait for 1 minute, screen turns on. System enters working interface, see Figure 2- 1.

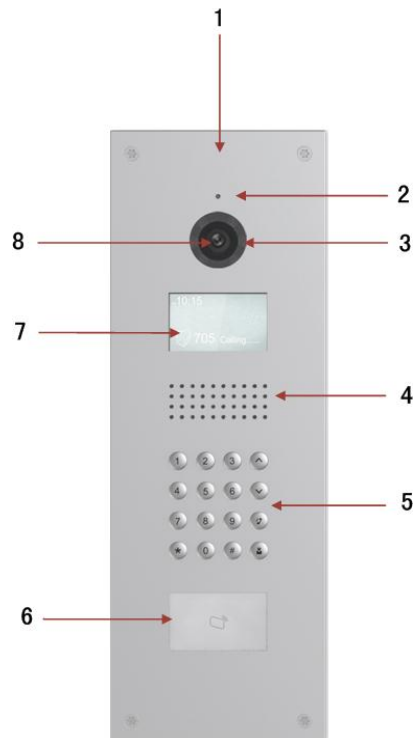














Figure 2- 1

Please refer to the following sheet for detailed information.

SN	Name	Function
1	Logo	Decoration 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. 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.

		<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 MGT center button. Press it to call the center directly.</p> <p>6.  button to page up and down in contacts. This is a customized button.</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. Note:</p> <p>1. "Call: Room No. +  ". Please input the room number first and then press the button  to dial;</p> <p>2."Call MGT Center: Press  button".</p> <p>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.



## 2.2 Rear Panel (Ports)

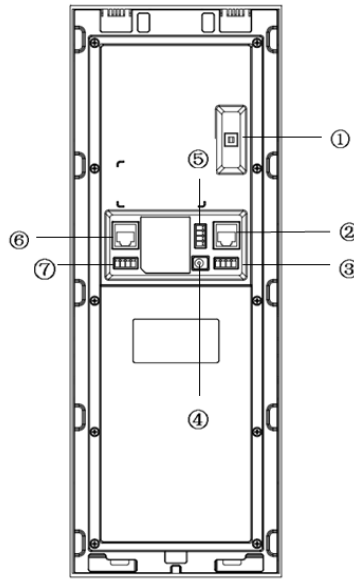


























Figure 2- 2

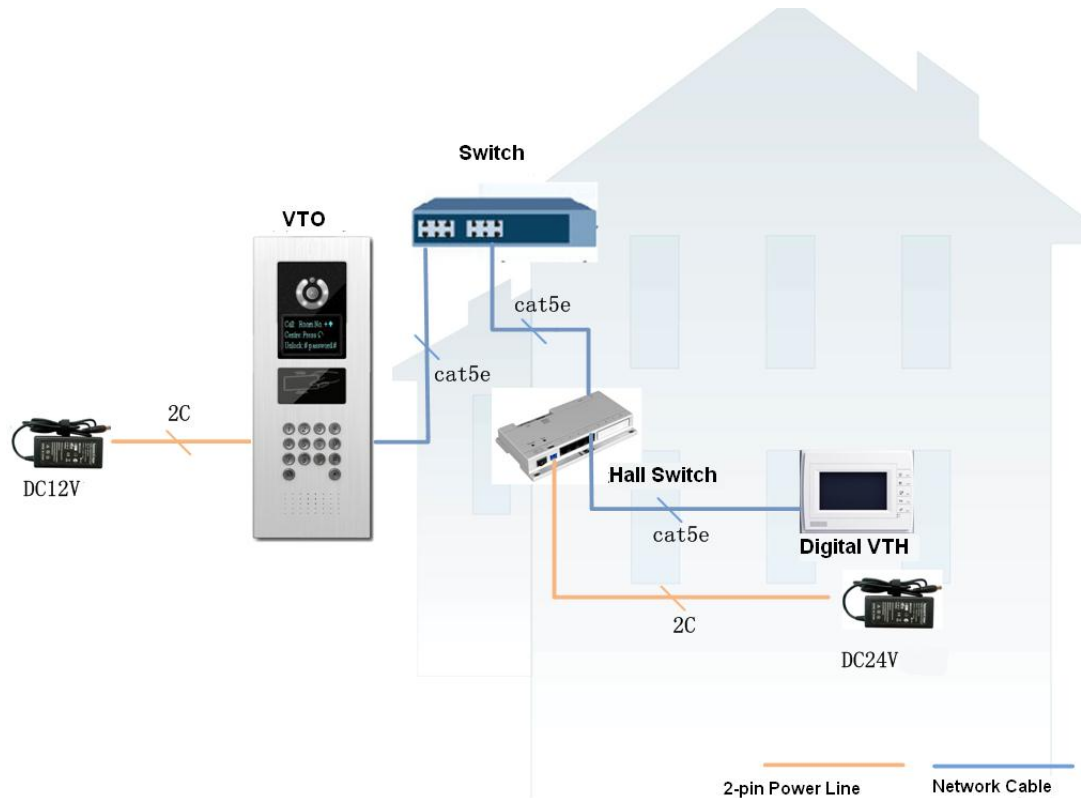
Please refer to the following sheet for detailed information.

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. <div><table><tr><td>Unlock Button</td><td>GND</td><td>Door Sensor</td><td>GND</td></tr><tr><td></td><td></td><td></td><td></td></tr></table></div>	Unlock Button	GND	Door Sensor	GND				
Unlock Button	GND	Door Sensor	GND							
										
4	Power Port	Connect to 12V DC.								
5	Access Control Output Port	Control NO/NC of door lock. <div><table><tr><td></td><td><b>NO</b></td></tr><tr><td></td><td><b>NC</b></td></tr><tr><td></td><td><b>Public</b></td></tr><tr><td></td><td><b>GND</b></td></tr></table></div>		<b>NO</b>		<b>NC</b>		<b>Public</b>		<b>GND</b>
	<b>NO</b>									
	<b>NC</b>									
	<b>Public</b>									
	<b>GND</b>									
6	Analog Signal Port	Connect to the analog signal of the distributor.								
7	RS422 Port (Reserved)	Connect to RS422 or RS485 Communication Device.								

		<table border="1"><tr><td><b>Rs485-B</b></td><td><b>Rs485-A</b></td><td><b>NA</b></td><td><b>NA</b></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> or	<b>Rs485-B</b>	<b>Rs485-A</b>	<b>NA</b>	<b>NA</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Rs485-B</b>	<b>Rs485-A</b>	<b>NA</b>	<b>NA</b>							
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>							
		<table border="1"><tr><td><b>Rs422-Rx-B1</b></td><td><b>Rs422-Rx-B2</b></td><td><b>Rs422-Tx-A1</b></td><td><b>Rs422-Tx-A2</b></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>	<b>Rs422-Rx-B1</b>	<b>Rs422-Rx-B2</b>	<b>Rs422-Tx-A1</b>	<b>Rs422-Tx-A2</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Rs422-Rx-B1</b>	<b>Rs422-Rx-B2</b>	<b>Rs422-Tx-A1</b>	<b>Rs422-Tx-A2</b>							
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>							

### 3 Typical Networking

Please read the following contents carefully, and install with a rational networking plan.



#### Network Note:

VTO network port (dual network VTO is in Figure 2- 2 no. network port) connects to switch IN port.

Select any one network port from switch's port 1 to 6 to connect to VTH. The switch will supply power to VTH.

## 4 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 VTO1210C-X series.

### 4.1 Installation Illustration

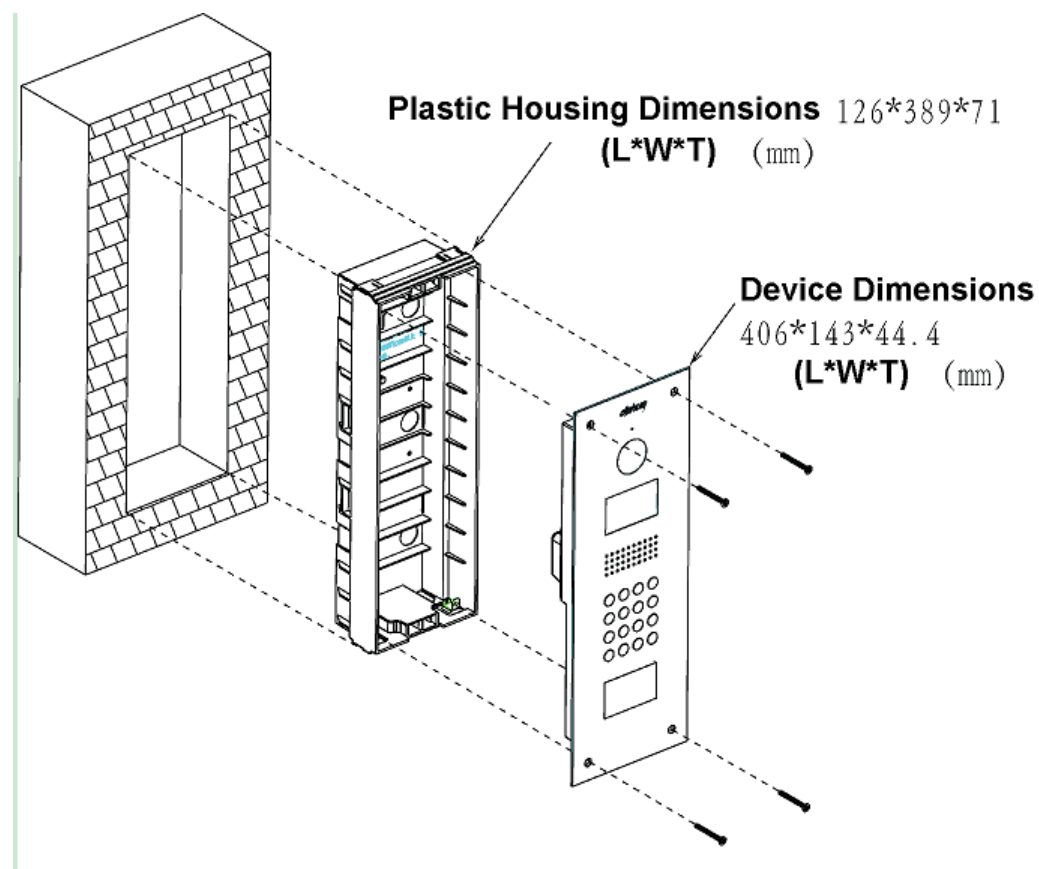



Figure 4- 1

### 4.2 Screw

Component	Illustration	Quantity
M4×40 inner hex flower countersunk flat head screws-stainless steel		4

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## 4.3 Installation Steps

Step 1. Embed plastic housing into wall.

Step 2. Fix device on the bracket with screw.

## 4.4 Wiring

Please refer to Figure 2- 2.

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# 5 Basic Functions

## 5.1 Local Config

You can configure the device on VTO, including IP setup, audio setup and issue card. You can view VTO version information as well.





### 5.1.1 IP Setup

You can set IP address, network gateway, subnet mask and etc. in IP setup interface.

- Step 1. In standby interface, press “ or \*” + “888888” + “ or #” to enter project setup interface.
- Step 2. Select and move by pressing 2 and 8.
- Step 3. Press “ or #”. Enter IP setup interface.
- Step 4. Select and move by press 2/4/6/8.
- Step 5. Press “ or #”. Underline will flash below numbers.
- Step 6. Input number via number 0-9, and press “ or #” to confirm.
- Step 7. Press “ or \*” to exit modification interface.

### 5.1.2 Audio Setup

You can adjust device volume in audio setup interface.

- Step 1. In standby interface, press “ or \*” + “888888” + “ or #”, to enter project setup interface.
- Step 2. Select and move by pressing 2 and 8.
- Step 3. Press “ or #”. Enter audio setup interface.
- Step 4. Adjust volume by pressing 4 and 6.
- Step 5. Press # to save setup.
- Step 6. Press “ or \*” to exit modification interface.

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### 5.1.3 Issue Card

Before issuing card, please ensure the connection between VTH and VTO, and VTH is added on WEB-end of VTO. The detailed steps to add VTH is in Ch 6.2.3.

Card issuing setup includes password and main card.

You can set right of issuing card in card issuing interface.

#### 5.1.3.1 Issue Card via Password

Step 1. In standby interface, press “\*” + “888888” + “#”, to enter project setup interface.

Step 2. Select and move by pressing 2 and 8.

Step 3. Press “#”.

Enter card issuing setup.

Step 4. Select card issuing via password by press “number key 8”.

Step 5. Input password “002236”. Press “#” to confirm.

Step 6. Input room no., press “#” to confirm.

Step 7. Swipe the card you want to authorize.

Step 8. When it prompts you that the process is successful, press “\*” to exit.

You swipe the card at card swiping area, and the system prompts the process is successful.

#### 5.1.3.2 Issue Card via Main card

Step 1. In standby interface, press “\*” + “888888” + “#” to enter project setup interface.

Step 2. Select and move by pressing 2 and 8.

Step 3. Press “#”. Enter card issuing setup.

Step 4. Select card issuing via main card by pressing “number key 8”.

Step 5. Swipe main card. To add main card, please refer to Ch 6.2.3.

Step 6. Input room no., press “#” to confirm.

Step 7. Swipe the card you want to authorize.

Step 8. When it prompts you that the process is successful, you can continue to

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authorize more cards, or press “\*” to exit.

You swipe the card at card swiping area, and the system prompts the process is successful.

### 5.1.4 Version

You can view version of the device on VTO, including main program version and MCU version.

Step 1. In standby interface, press “\*” + “888888” + “#” to enter project setup interface.

Step 2. Select and move by pressing 2 and 8.

Step 3. Press “#”, to enter version interface.

Step 4. By pressing 2 and 8 to move and select main program version or MCU version.

Step 5. Press “#”, to view corresponding version information.

Step 6. Press “\*” to exit.

### 5.1.5 Language Selection

You can change language on VTO as you want to.

Step 1. In standby interface, press “\*” + “888888” + “#” to enter project setup interface.

Step 2. Select and move by pressing 2 and 8.

Step 3. Press “#” to enter language selection interface.

Step 4. By pressing 2 and 8 to move to and select language.

Step 5. Press “#” to confirm selection.

## 5.2 Unlock Function

### 5.2.1 Unlock via IC card







The door is open after you swipe IC card and the card passed the authentication and station verification.



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## 5.2.2 Unlock via Password

**Before you can unlock door via password, you must configure the password on VTO WEB-end, please refer to Ch 6.2.1.2.**

- Uniform password: In standby interface, for example your password is “123456”, then press “ +123456+  to unlock. Default password can be changed in WEB interface.
- Self password: In standby interface, press “”, input 4-digit room no. + password  to unlock. For example, to unlock room 101, you shall input: #0101123456#.
- Duress password: In standby interface, for example your password is “654321”, then input “ + 654321 + ”

## 5.2.3 VTH Remotely Unlock

Step 1. Under standby interface, input “room no. + ” to call VTH. Or you can press

 and select room no. in the contact book, and press  to call VTH.

Step 2. The VTH accepts call, now you can start a bidirectional talk with the VTH.

Step 3. Resident at the VTH press unlock button to remotely unlock door.

## 5.2.4 Login WEB Interface

Access VTO via PC, in the browser, input IP address of VTH and enter VTO login page. Input account and password (admin/admin), click Login to enter. Here you can configure VTH, please see WEB intro section in this manual.

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## 6 Web Function

### Warning:

- Before you access unit VTO WEB interface via PC, please make sure the PC and unit VTO are both connected to the Internet and are in the same network segment. Otherwise, you cannot access.
- Before you access unit VTO WEB interface via PC, please make sure you have set VTO IP address, please refer to Ch 5.1.1.

### 6.1 Login/Logout

#### 6.1.1 System Login

Step 1. In IE address field, input VTO IP address, and press Enter. See Figure 6- 1.



Figure 6- 1

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

Default username: admin

Default password: admin.

Note:

Once you successfully login in for the first time, please change the login password for security purpose.

Step 3. Click Login.

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## 6.1.2 System Logout

Step 1. Select Logout>Logout to exit system. See Figure 6- 2.

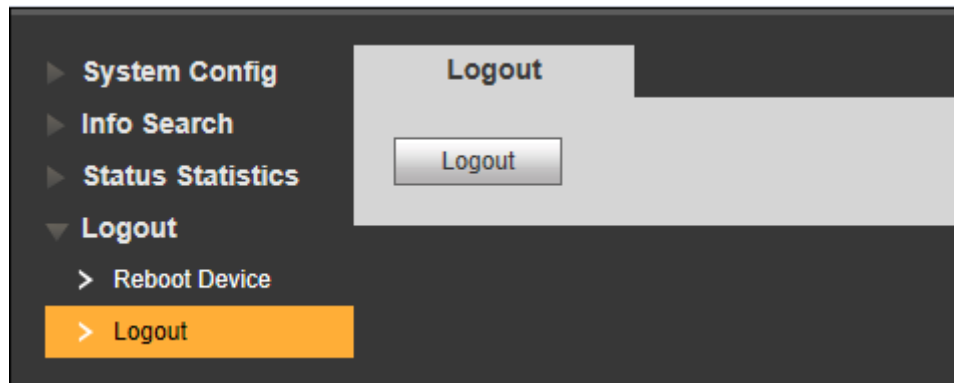


Figure 6- 2

Step 2. Select Logout>Reboot Device to reboot the device. See Figure 6- 3.

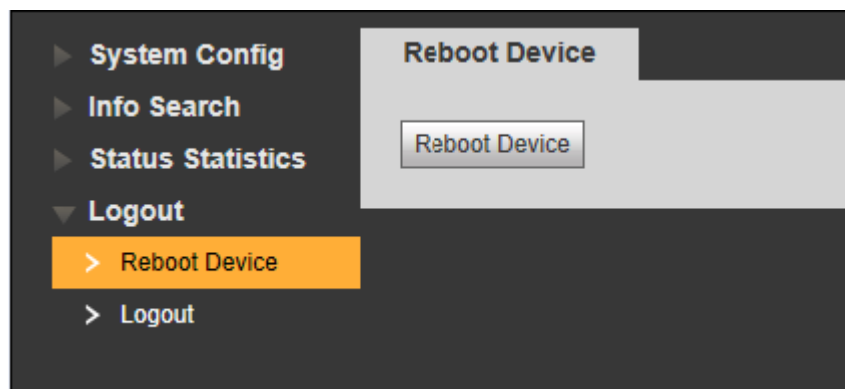


Figure 6- 3

## 6.2 System Config

System Config includes Local Config, LAN Config, Indoor Manager, Network Config, Video Set, User Manage, IPC Information and others.

### 6.2.1 Local Config

#### 6.2.1.1 Local Config

Step 1. Select System Config>Local Config.

Step 2. Set parameter. See Figure 6- 4.

Figure 6- 4

Parameter	Note
System Type	System type is digital and analog.
Sensor	Set compensation light sensor sensitivity, input number within 0~255. The higher the value, the higher the sensitivity will be.
Storage Point	Record, snapshot and other info can be stored in FTP server and SD card. User can login FTP server to view and get picture or record. When user select SD card as storage point, please ensure the SC card is inserted into VTO.
Unit Layer Amount	Set unit layer amount..
Room Amount in One Layer	Set room amount in one layer.
Create Room	Check to create room no.: according to set room no., system will add corresponding VTH number in system config>indoor manager.
Device Type	Display device type.
Reboot Date	In set date, device will reboot.
Version Info	View software version.
Dial Rule	Continuous dial and discontinuous dial.
Language	There are 8 languages for selection.

Step 3. Check room no.

Step 4. Click OK.

According to set room no., system will add corresponding VTH number in system config>indoor manager. See Figure 6- 5.

Digital Indoor Station Manager							
Analog Indoor Station Manager							
FamilyName	FirstName	Nick Name	Room No.	IP Address	Card No. Info	Modify	Delete
test	test	nick	9901	10.15.1.109			
			101				
			102				
			103				

Figure 6- 5

For detailed VTH operations. Refer to Ch 6.2.3.

### 6.2.1.2 A&C Manager

A&C manager mainly includes unlock via password, unlock response interval and hold time, unlock info upload and auto snapshot.

See Figure 6- 6.

System Config	Local Config	A&C Manager	Talk Manager	System Time	Config Manager
<ul style="list-style-type: none"> <li>&gt; Local Config</li> <li>&gt; LAN Config</li> <li>&gt; Indoor Manager</li> <li>&gt; Allocator Manager</li> <li>&gt; Network Config</li> <li>&gt; Video Set</li> <li>&gt; User Manager</li> <li>&gt; IPC Information</li> <li>&gt; VTO Info</li> <li>&gt; IP Allocate Auto</li> <li>&gt; Publish Information</li> <li>&gt; Info Search</li> <li>&gt; Status Statistics</li> <li>&gt; Logout</li> </ul>	<div> Unlock Responding Interval <input type="text" value="15"/> </div> <div> Unlock Period <input type="text" value="2"/> </div> <div> Door Sensor Check Time <input type="text" value="120"/> <input type="checkbox"/> Check Door Sensor Signal Before Lock </div> <div> Issue Card Password <input type="password" value="•••••"/> </div> <div> Project Password <input type="password" value="•••••"/> </div> <div> Lift Control Protocol <input type="text" value="Local Protocol"/> <input type="checkbox"/> Lift Control Enable </div> <div> Password Unlock Type <input type="text" value="Uniform Password"/> </div> <div> New Unlock Password <input type="password" value="•••••"/> </div> <div> New Unlock Password <input type="password" value="•••••"/> </div> <div> New Menace Password <input type="password" value="•••••"/> </div> <div> New Menace Password <input type="password" value="•••••"/> </div> <div> Auto Snapshot <input type="radio"/> Enable <input checked="" type="radio"/> Disable </div> <div> Upload Unlock Record <input type="radio"/> Enable <input checked="" type="radio"/> Disable </div> <div> <input type="button" value="Default"/> <input type="button" value="Refresh"/> <input type="button" value="OK"/> </div>				

Figure 6- 6

Parameter	Note
Unlock Responding Interval	After being unlocked, interval before device responds to next unlock. (1~20s) .
Unlock Period	After respond and unlock, time the door remained unlocked. (1-20s) .
Door Sensor Check Time	When unlock time exceeds set door sensor check time, door alarm is ON.
Check Door Sensor	Only when using door sensor lock, check "Check Door Sensor"

Signal Before Lock	Signal Before Lock”, valid only when “door sensor check time” is set.
Issue Card Password	Issue card password is 123456 by default, 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. Protocol can set floor reach by user.
Lift Control Enable	Check and enable lift control.
Password Unlock Type	Include personal password and unified password.
Menace Password	Set menace password (duress password), by default it is 654321.
Auto Snapshot	Once enabled, it will auto snapshot.
Upload Unlock Record	Once enabled, unlock info will auto upload to unlock info.
Default	Restore all device parameters to default setting. Note: Every half an hour, villa VTO auto saved card no. and VTH info.

### 6.2.1.3 Talk Manager

The device can enable and disable upload of call history, message and auto snapshot. See Figure 6- 7.

Figure 6- 7

### 6.2.1.4 System Time

User can set date format, time format (24-hour and 12-hour) and system time. Click Sync PC and sync time to unit VTO. User also can set DST. See Figure 6- 8.

Figure 6- 8

#### 6.2.1.5 Config Manager

User can import and export config, and restore default settings. See Figure 6- 9.

Figure 6- 9

Parameter	Note
Backup	Check “card info”, “VTH info”, then click Backup to backup card no. and VTH info.
Restore Backup	Check card info, vth into, and click on Restore Backup to restore default card info and vth info.
Export Config	Export config file ( Config.backup ) .
Import Config	Import config file.
Default All	Device all parameters will be restored to default. <b>Warning:</b> <b>Please back up first before perform this operation.</b>

#### Note:

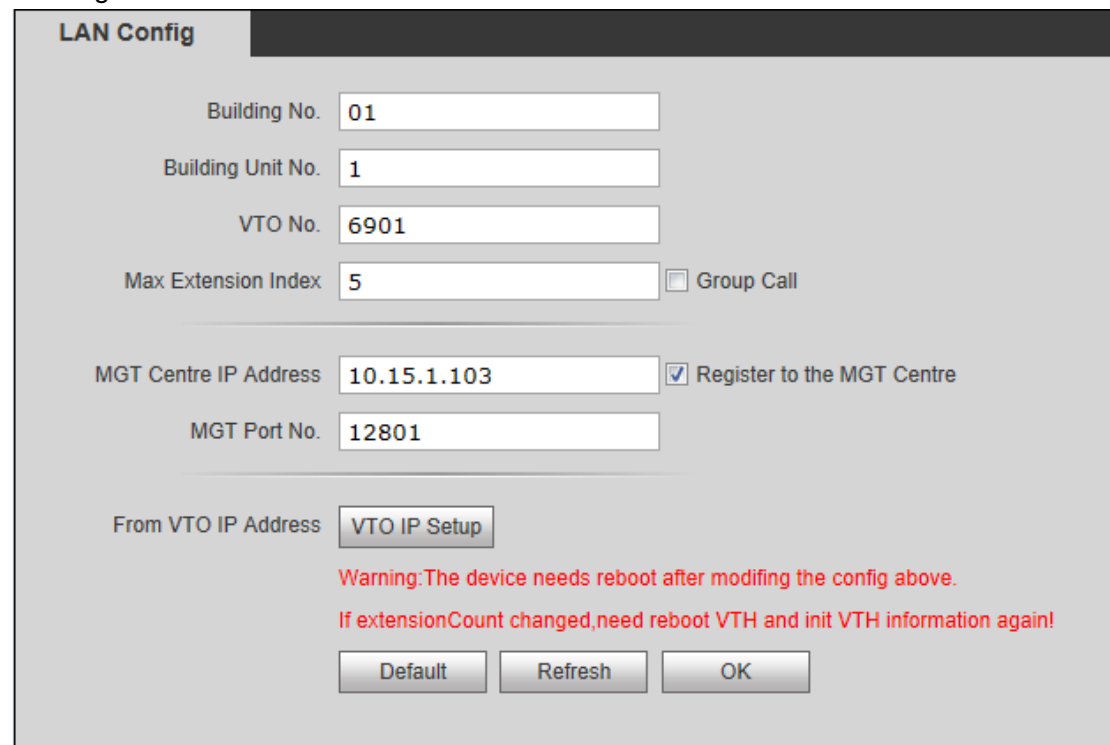
Every half an hour, VTO will automatically saves card no. and VTH info on VTO. Therefore, is you want to restore VTH information or card no., please do so within half an hour after these information were changed.

## 6.2.2 LAN Config

In page, select System Config>LAN Config.

Default setting is enough if you just want networking between VTO and VTH, but if you want to set the center, you need to change default settings to be identical with center info. You also need to check box register to MGT center.

See Figure 6- 10.



The screenshot shows the 'LAN Config' window with the following fields and controls:

- Building No.: 01
- Building Unit No.: 1
- VTO No.: 6901
- Max Extension Index: 5
- Group Call: ☐
- MGT Centre IP Address: 10.15.1.103
- Register to the MGT Centre: ☒
- MGT Port No.: 12801
- From VTO IP Address: VTO IP Setup

Warning: The device needs reboot after modifying the config above.  
If extensionCount changed, need reboot VTH and init VTH information again!

Buttons: Default, Refresh, OK

Figure 6- 10

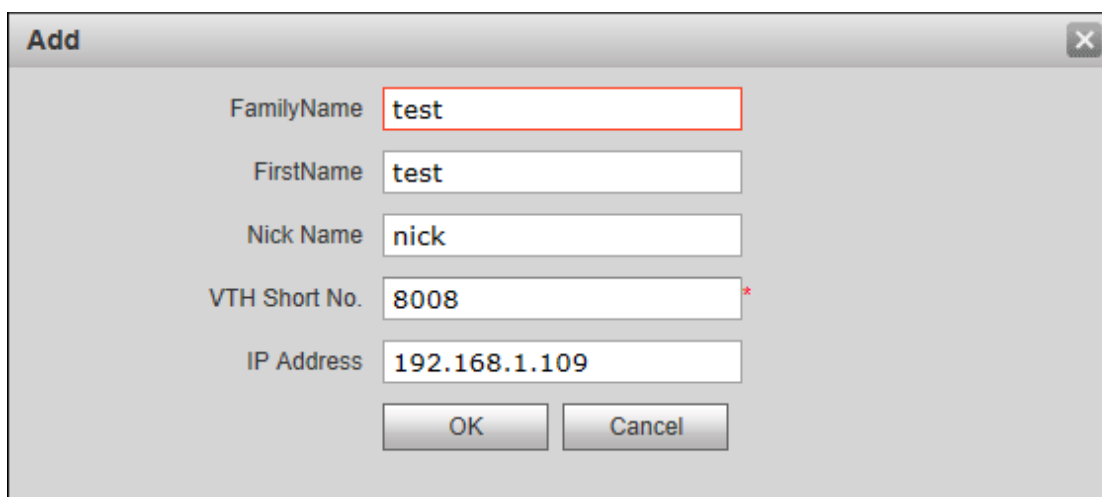
## 6.2.3 Indoor Manager

Indoor Station Manager mainly includes adding digital/analog VTH, deleting VTH and editing VTH user. VTO1210A-X and VTO1210B-X have digital and analog indoor station manager. VTO1220A only has digital indoor station manager.

For example, to add digital VTH.

- Step 1. In page, select System Config>Indoor Manager>Digital Indoor Station.
- Step 2. Click on Add.
- Step 3. Fill in VTH information. See Figure 6- 11.





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

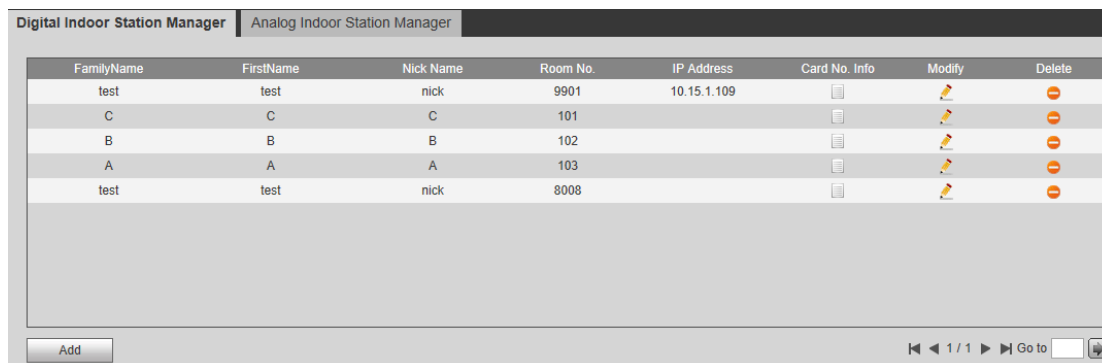
Field	Value
FamilyName	test
FirstName	test
Nick Name	nick
VTH Short No.	8008
IP Address	192.168.1.109

Buttons: OK, Cancel

Figure 6- 11

Parameter	Note	Setup
VTH short no.	VTH short no. is room no., composed of 4 digits of number.	For example, 1101. "11" means floor 11 while "01" means room no. Note: VTH short no. first two digits range is 01~99. Last two digits range is 01~16.
IP Address	Add VTH IP address.	Example: 172.28.6.10

Step 4. Click OK. See Figure 6- 12.




The interface shows a table with the following data:

FamilyName	FirstName	Nick Name	Room No.	IP Address	Card No. Info	Modify	Delete
test	test	nick	9901	10.15.1.109			
C	C	C	101				
B	B	B	102				
A	A	A	103				
test	test	nick	8008				

Buttons: Add, Go to (with search bar and refresh icon)

Figure 6- 12

Step 5. Click  to set main card, lost card and to delete card. See Figure 6- 13.





Card Info				
Card ID	Card Number	Main Card	ReportLoss	Delete
9901	8B081705	<input checked="" type="checkbox"/>		

Figure 6- 13

- Main card: Set a card to main card, and you may issue new card via the main card, see Ch 5.1.3.1.
- Lost card: report card loss, and make up with a new card before you can swipe card to enter.
- Delete: Delete card.

Step 6. Click on , in pop-up page, modify VTH information.

1. For digital VTH, you can only modify name information.
2. For analog VTH, you can only modify name, allocator address and port.

Step 7. Click on  to delete digital/analog VTH.

## 6.2.4 Network Config

Step 1. Select System Config>Network Config.

Step 2. Set VTO IP network parameter, you can set VTO IP address, subnet mask and default gateway. See Figure 6- 14.

TCP/IP	FTP
IP Address	192.168.1.110
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
MAC Address	20:13:10:22:10:16
DNS Address	8.8.8.8
<input type="button" value="Default"/> <input type="button" value="Refresh"/> <input type="button" value="OK"/>	

Figure 6- 14

Step 3. Click OK.

After you modify IP address, the WEB page will go to the new address automatically.

## 6.2.5 Video Set

Please follow prompt in video to install video control unit.

Step 1. Select System Config>Video Set.

Step 2. Adjust video parameters. See Figure 6- 15.

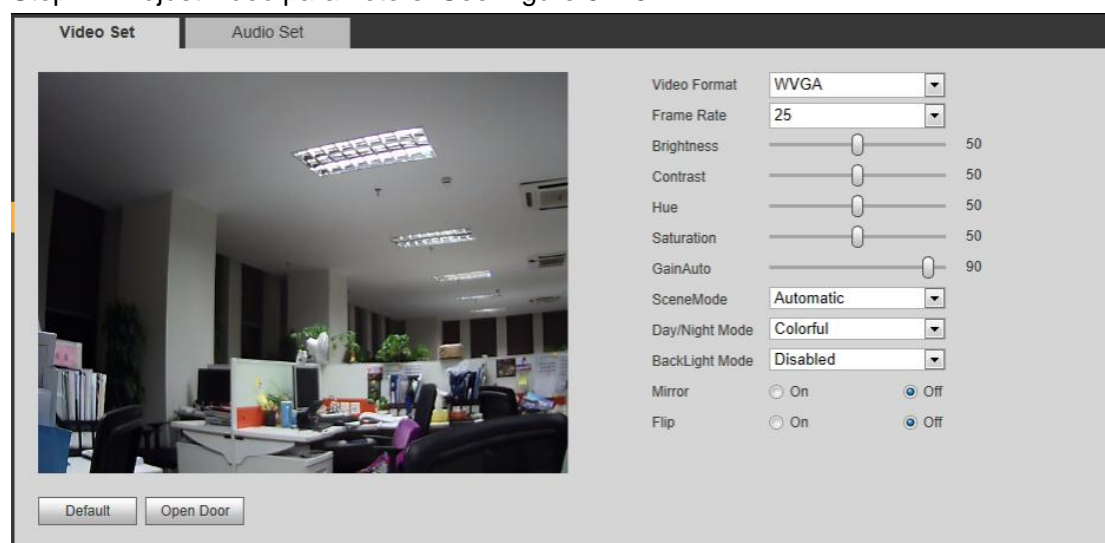


Figure 6- 15

Parameter	Note
Video Format	Classified by resolution, there are WVGA and D1. WVGA: 800*480. D1: 704*576.
Frame Rate	PAL and NTSC available.
Brightness	Adjust video brightness, we recommend 40~60 and the range is 0~100.
Contrast	Adjust video contrast, we recommend 40~60 and the range is 0~100.
Saturation	Adjust color saturation, we recommend 40~60 and the range is 0~100.
Gain Mode	Adjust gain.
Scene Mode	Includes: disabled, automatic, sunny and night.
Day/Night Mode	Includes: colorful, automatic, black white.
Backlight Mode	Includes: close, backlight, wide dynamic, and inhibition.
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.
--------	---

Step 3. Click Audio Set tab to adjust audio parameter.

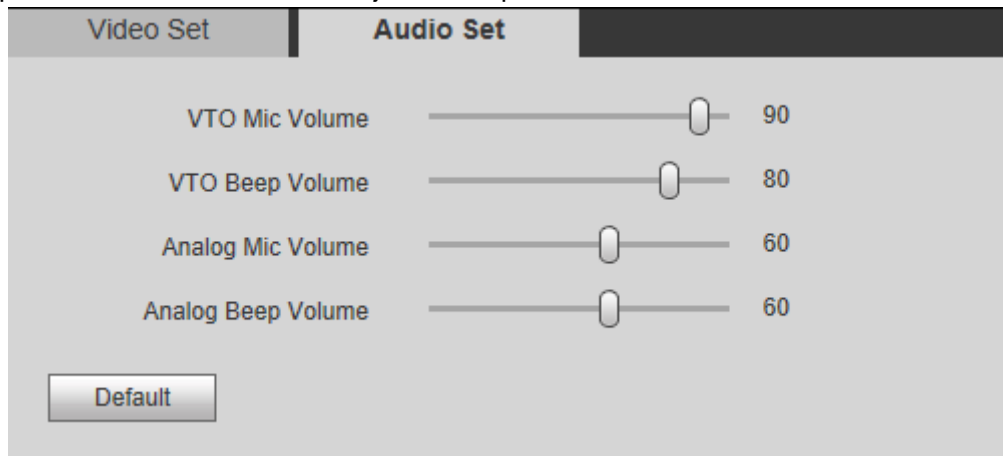


Figure 6- 16

## 6.2.6 User Manage

Only when you login as admin, you can add, modify, delete and view user information.

System currently supports two types of user:

- Admin has higher rights to view, edit, delete system configuration right.
- User can only view system configuration.

### 6.2.6.1 Add User

Step 1. Select System Config>User Manage.

See Figure 6- 17.

Figure 6- 17

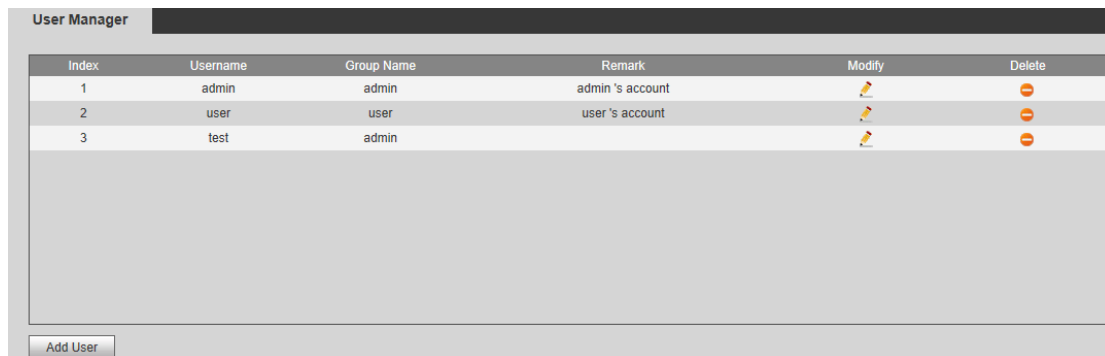
Step 2. Click on Add User.

- Step 3. In pop-up box fill in user info.
- Step 4. Click OK.

#### 6.2.6.2 Modify/Delete User

Admin and system support password change, but cannot change note information or delete the username.

Step 1. Select System Config>User Manager. See Figure 6- 18.




Index	Username	Group Name	Remark	Modify	Delete
1	admin	admin	admin's account		
2	user	user	user's account		
3	test	admin			

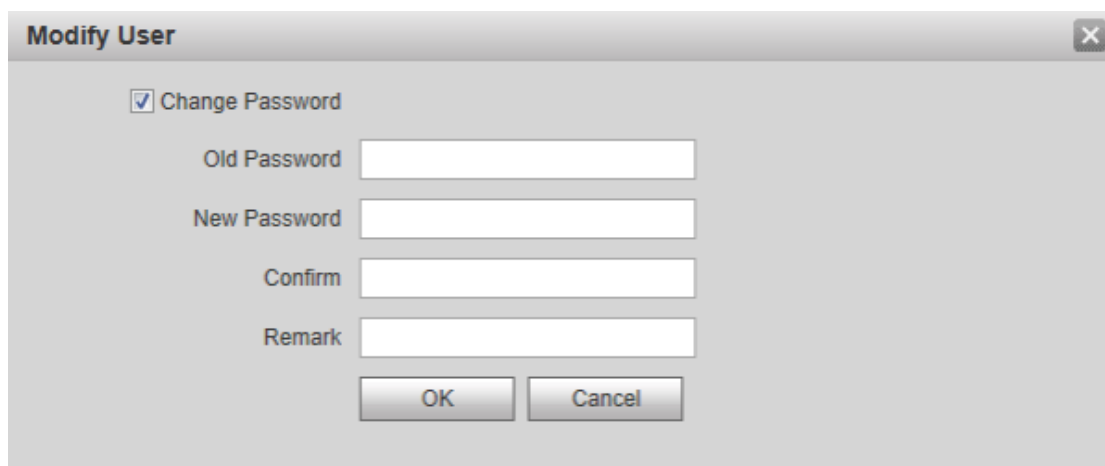
Add User

Figure 6- 18

Step 2. Click  to delete user.

Step 3. Click  to modify user info, check Change Password, and change password and remark.

See Figure 6- 19.



**Modify User**

☒ Change Password

Old Password

New Password

Confirm

Remark

OK Cancel

Figure 6- 19

### 6.2.7 IPC Info

If the VTH has configured with IPC device, you can view video from IPC via corresponding VTH.

Step 1. IPC Information

Step 2. Select System Config>IPC Information.

Step 3. In IPC Information interface, click on .

System pops up a box, modify IPC information. See Figure 6- 20.

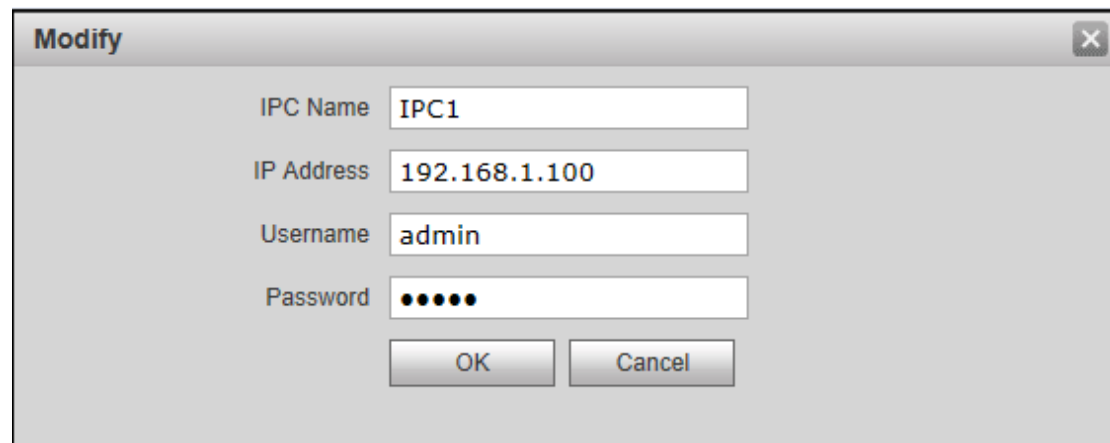


Figure 6- 20

Step 4. Click OK.

## 6.2.8 VTO Info

Step 1. Select System Config>VTO Info.

Step 2. Click . System pops up modification interface.

Step 3. Modify VTO info. See Figure 6- 21.

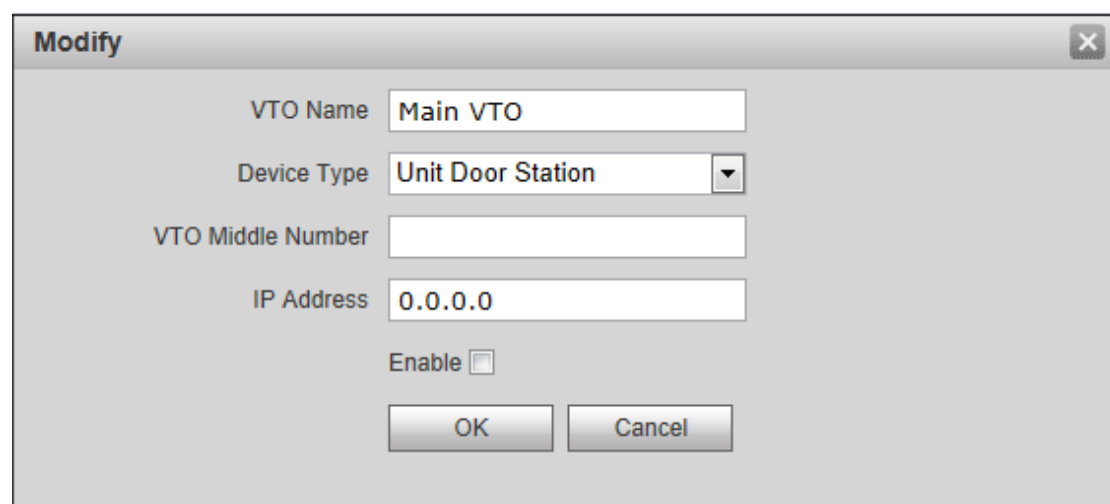


Figure 6- 21

Parameter Name	Parameter Note
VTO Name	Input VTO name.
Device Type	Select device type. ➤ Unit door station

	➤ Fence station
VTO Middle Number	
IP Address	Set IP address of the VTO.

Step 4. Check Enable.

Step 5. Click OK.

## 6.2.9 IP Auto Allocation

You can go to User Manager>IP Allocate Auto interface, set VTH IP address, subnet mask, default gateway and etc.

Step 1. Open User Manager>IP Allocate Auto interface.

Step 2. Input VTH IP range, subnet mask and default gateway.

Step 3. Click Enable. See Figure 6- 22.

Figure 6- 22

Step 4. Click OK.

Step 5. In VTH device, enter System Config>Project Setup interface.

Step 6. Input verification code, default is 888888.

Step 7. Enter local config interface, input room no. to auto allocate VTH IP.

## 6.2.10 Publish Information

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

### 6.2.10.1 Send Info

Step 1. Select System Config>Publish Information>Send Info.

Step 2. Select sending device and edit content to send.

See Figure 6- 23.

**Send Info** | History Info

Period of validity: 2015 - 09 - 01 23 : 59 : 59

Send to: 9901 All devices ☐

Title: welcome

Content: welcome

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

Send Cancel

Figure 6- 23

Step 3. Click Send.

#### 6.2.10.2 History Info

Step 1. Select System Config>Publish Information>History Info.

See Figure 6- 24.

**Send Info** | **History Info**

Index	Send Time	Period of validity	Title	Delete
1	2015-9-1 17:1:32	2037-12-31 23:59:59	Welcome	

1 / 1 Go to

Figure 6- 24

Step 2. You can view historical information, click on  to delete information.

## 6.3 Info Search

You can view call record, alarm record and swiping card record.

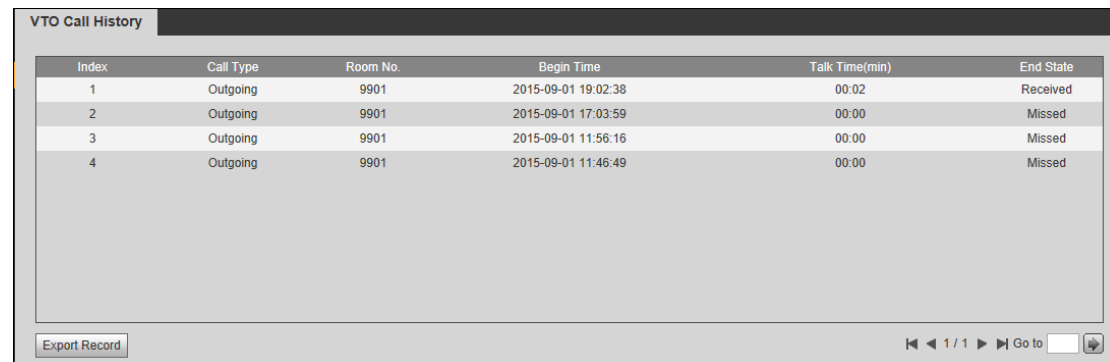


### 6.3.1 Call History

Step 1. In page, select Info Search>Call History.

You can search VTO call records and the system can store up to 1124 records.

See Figure 6- 25.



Index	Call Type	Room No.	Begin Time	Talk Time(min)	End State
1	Outgoing	9901	2015-09-01 19:02:38	00:02	Received
2	Outgoing	9901	2015-09-01 17:03:59	00:00	Missed
3	Outgoing	9901	2015-09-01 11:56:16	00:00	Missed
4	Outgoing	9901	2015-09-01 11:46:49	00:00	Missed

Export Record 1 / 1 Go to

Figure 6- 25

- Call type: outgoing.
- End status: Received and missed.

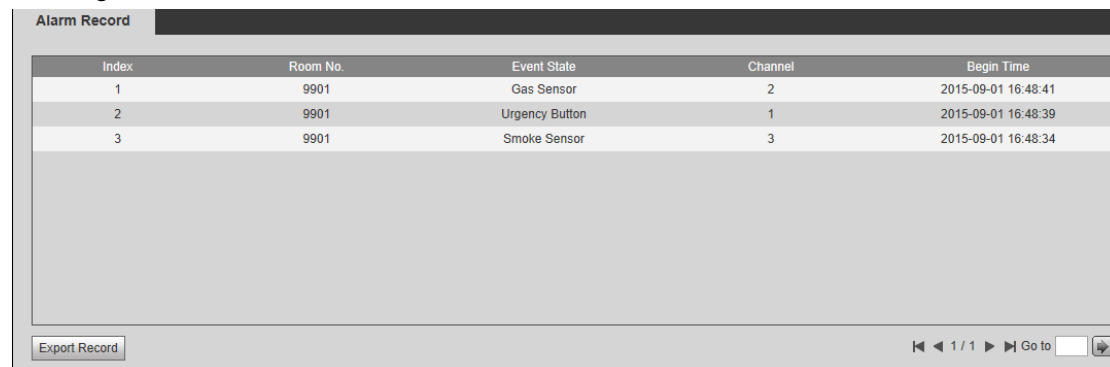
Step 2. Click on Export Record to save record to local.

### 6.3.2 Alarm Record

Step 1. Select Info Search>Alarm Record.

You can search VTO alarm records and the system can store up to 1124 records.

See Figure 6- 26.



Index	Room No.	Event State	Channel	Begin Time
1	9901	Gas Sensor	2	2015-09-01 16:48:41
2	9901	Urgency Button	1	2015-09-01 16:48:39
3	9901	Smoke Sensor	3	2015-09-01 16:48:34

Export Record 1 / 1 Go to

Figure 6- 26

Step 2. Click on Export Record to save record to local.

### 6.3.3 Unlock Record

Step 1. In page, select Info Search>Swiping Card Record. See Figure 6- 27.

You can search VTO card swiping records and the system can store up to 1124 records.

VTO Unlock Record					
Index	Unlock Type	Room No.	Card Number	Unlock Result	Unlock Time
1	Password Unlock			Success	2015-09-01 19:05:48
2	Remote Unlock	9901		Success	2015-09-01 19:02:35
3	Brush Card Unlock	9901	8b081705	Success	2015-09-01 18:55:30
4	Remote Unlock	9901		Success	2015-09-01 11:46:54
5	Remote Unlock			Success	2015-09-01 10:37:42
6	Password Unlock			Failed	2015-08-31 16:06:18

Export Record

1 / 1 Go to

Figure 6- 27

Step 2. Click on Export Record to save record to local..

## 6.4 Status Statistics

By selecting Status Statistics>VTH Status.

You can view connection status of VTH. See Figure 6- 28.

VTH Status					
VTH	Status	MON	IP:Port	Reg Time	Off Time
9901	Online	Unmon	10.15.1.109:16801	2015-09-01 17:03:47	2015-09-01 17:01:05

1 / 1 Go to

Figure 6- 28

# Appendix 1 Specifications

Model	VTO1220A	VTO1220B(W)	VTO1210A-X	VTO1210B(W)-X	VTO1210C-X
OS					
Main Processor	Embedded micro processor				
OS	Embedded LINUX OS				
Video					
Video Compression Standard	H.264				
Input/Approaching Induction	1.3 megapixel CMOS camera				
Back Light	Support				
Auto Light Compensation	Support				
Audio					
Input	Microphone				
Output	Built-in speaker				
Bidirectional Talk	Support dual-way bidirectional talk				
Display					
LCD Dimensions	3.5-inch TFT screen		3-inch STN screen		
Resolution	320*240		128*64		
Operation Mode					
Input	Digital keyboard	Touch keyboard	Digital keyboard	Touch keyboard	Digital keyboard
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				
Others					
Power	DC 12V				
Power Consumption	Standby≤1W ； work≤10W				
Working Environments	-40℃~+60℃				
	10~95%RH				

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Water Proof	IP53	IP65	IP53	IP65	IP53
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**Note:**

- This manual is for reference only. Slight difference may be found in user interface.
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- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website or contact your local service engineer for more information.