

4.3 inch Analog VTH User's Manual

For VTH1200 Series

V1.0.0

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 General Introduction

1.1 Appearance

The VTH appearance is shown in Figure 1- 1 and Figure 1-2.

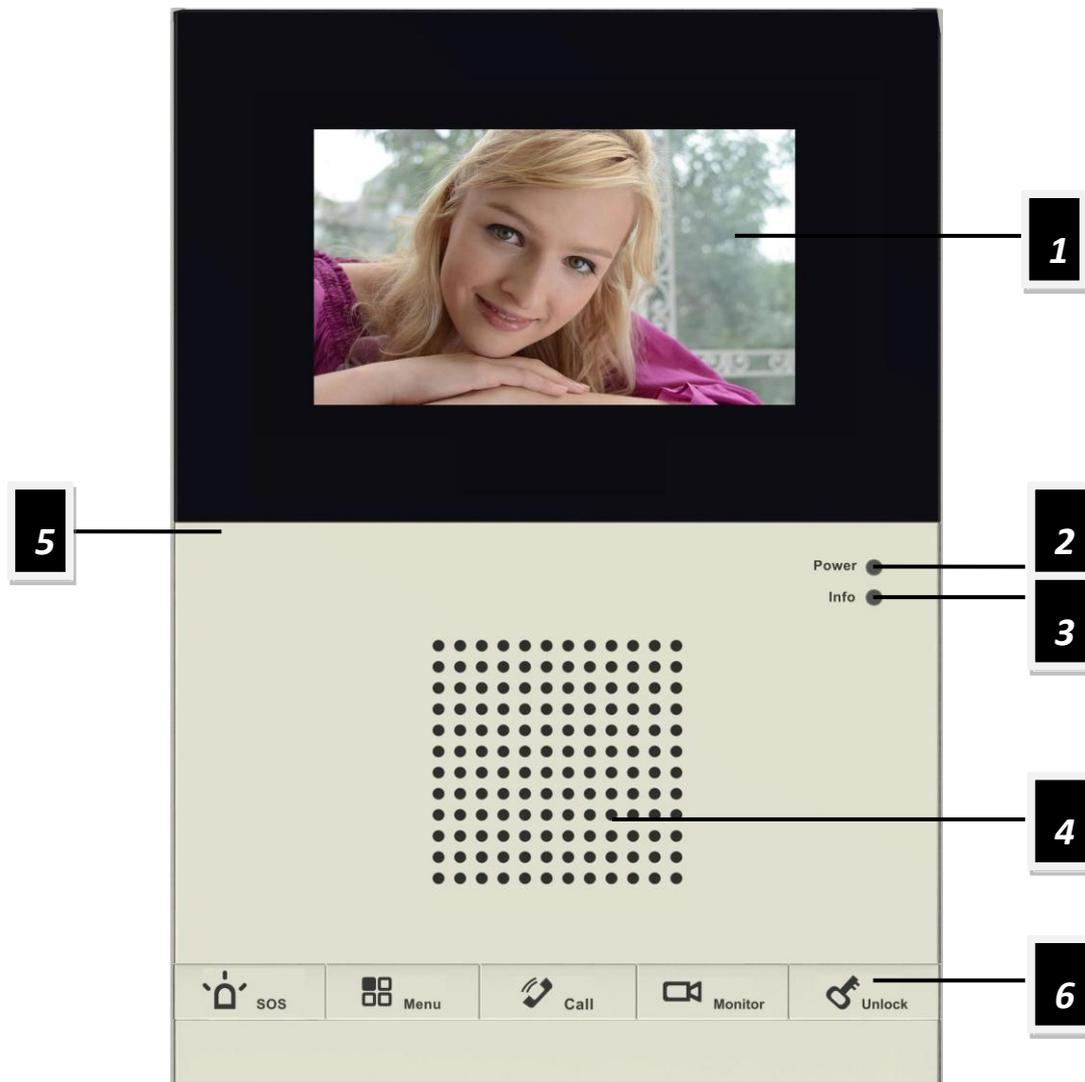


Figure 1- 1 VTH1200 CS

Please refer to the following chart for detailed information.

No.	Name	Description
1	Video display	4.3-inch TFT color screen, resolution 480*272.
2	Power indicator	It is on if power works as normal.
3	Info indicator	No announcement or alarm: <ul style="list-style-type: none"> ● Arm: indicator on ● Disarm: indicator off. Announcement without alarm: <ul style="list-style-type: none"> ● Indicator flashed slowly.

		Alarm: ● Indicator flashes quickly.
4	Speaker	Audio output
5	Microphone	Audio input
6	SOS button	Under any interface, press this button, VTH will call management center. If now menu is on, press SOS button can to back to previous menu.
	Menu button	Press this button to enter menu. Press this button again to select item in menu. Under standby, long press this button for 2s to view menu, or long press this button for 5s to disarm.
	Call button	When being called, press this button to answer call. During calling status, press this button to hang up. Under standby, long press this button for 5s to turn on/off DND (do not disturb).
	Monitor button	Monitor VTO video. Under standby, when there is announcement, press this button to view announcement. When there is alarm, press this button to view alarm info. In menu interface, set ring, brightness as pressing this button can decrease value of parameter.
	Unlock button	During incoming call, calling, monitoring, press this button to unlock corresponding VTO. In menu interface, set ring, brightness as pressing this button can increase value of parameter.

Chart 1- 1



Figure 1- 2 VTH1200 DS

Please refer to the following chart for detailed information.

No.	Name	Description
1	Microphone	Audio input
2	Video display	4.3-inch TFT color screen, resolution 480*272.
3	Speaker	Audio output
4	Hidden indicator	No announcement or alarm: <ul style="list-style-type: none"> ● Arm: indicator on for 2s and off for 0.5s ● Disarm: indicator NO Announcement without alarm: <ul style="list-style-type: none"> ● Indicator flashed slowly. Alarm: <ul style="list-style-type: none"> ● Indicator flashes quickly.
5	SOS button	Under any interface, press this button, VTH will call management center. If now menu is on, press SOS button can to back to previous menu.
	Menu button	Press this button to enter menu. Press this button

		again to select item in menu. Under standby, long press this button for 2s to view menu, or long press this button for 5s to disarm.
	Call button	When being called, press this button to answer call. During calling status, press this button to hang up. Under standby, long press this button for 5s to turn on/off DND (do not disturb).
	Monitor button	Monitor VTO video. Under standby, when there is announcement, press this button to view announcement. When there is alarm, press this button to view alarm info. In menu interface, set ring, brightness as pressing this button can decrease value of parameter.
	Unlock button	During incoming call, calling, monitoring, press this button to unlock corresponding VTO. In menu interface, set ring, brightness as pressing this button can increase value of parameter.

Chart 1- 2

1.2 Device Port Introduction

The device interfaces are shown as follows, please see Figure 1- 3 and Figure 1-4.

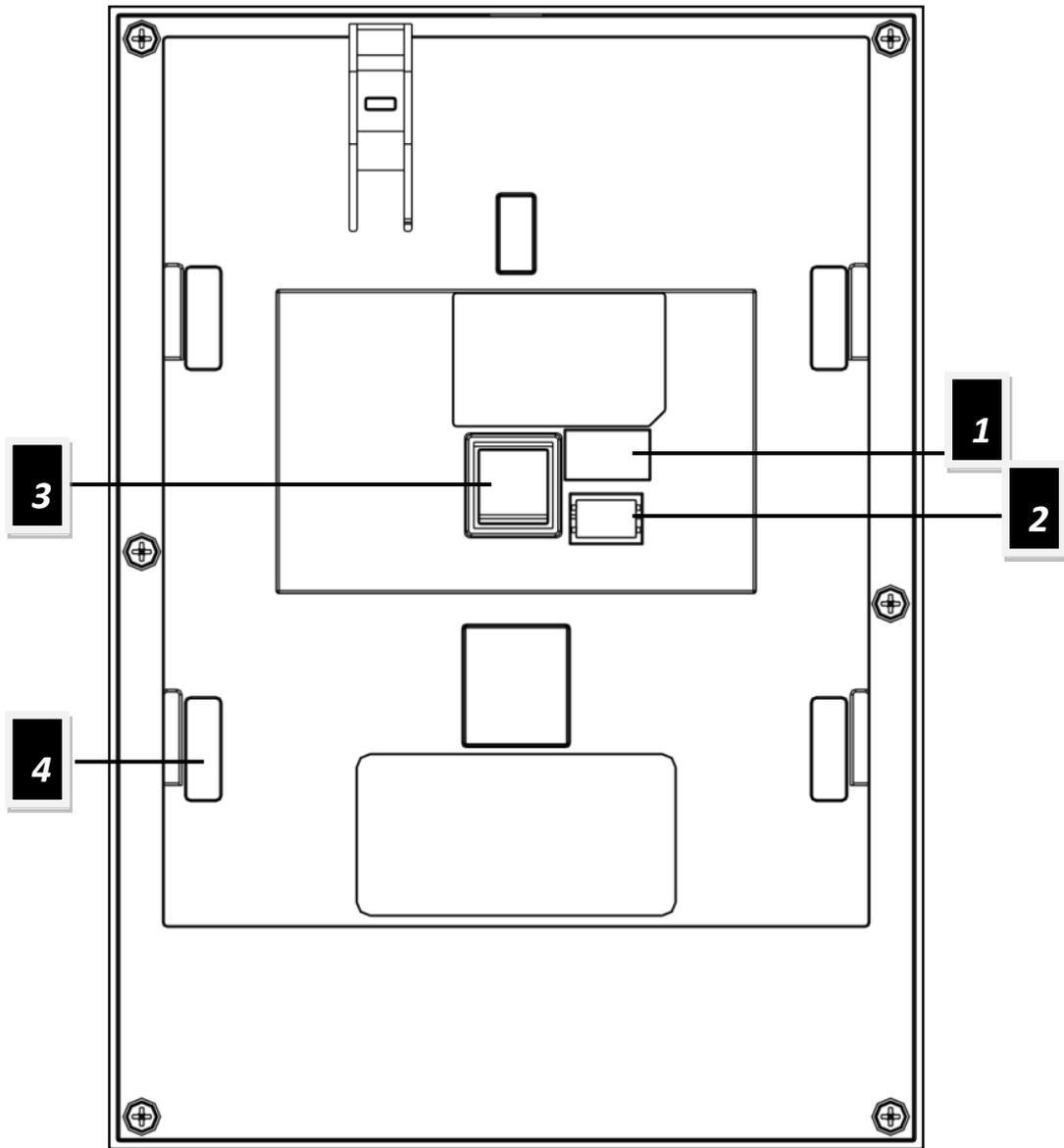


Figure 1- 3 VTH1200-CS Seires

Please refer to the following chart for detailed information.

No.	Name	Description
1	Alarm input extension	4-ch wired alarm input
2	Alarm output extension	1-ch wired alarm output
3	RJ-45 port	Power/A/V port
4	4 symmetrical ports	At position of bracket

Chart 1- 3

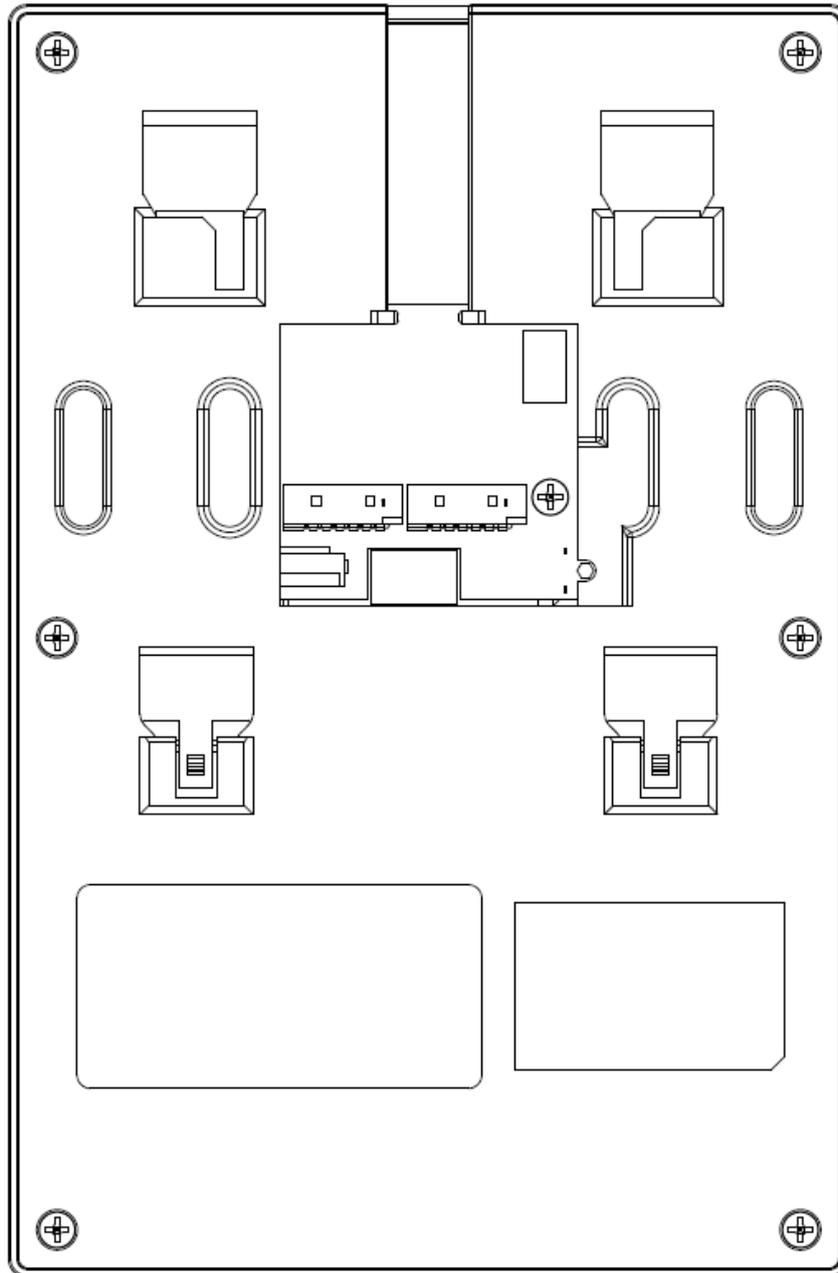


Figure 1- 4 VTH1200-DS

Please refer to the following chart for detailed information.

No.	Name	Description
1	RJ-45 port	Power/A/V port
2	Alarm input/output extension	4-ch wired alarm input, 1-ch wired alarm output
3	4 symmetrical ports	At position of bracket

Chart 1- 4

2 Installation

Step 1. Embed 86 box in wall.

Step 2. Fix installation bracket on 86 box, fix via screw (M4 X 30).

Step 3. Fix the device on installation bracket, fix via bucket.

See Figure 2- 1.

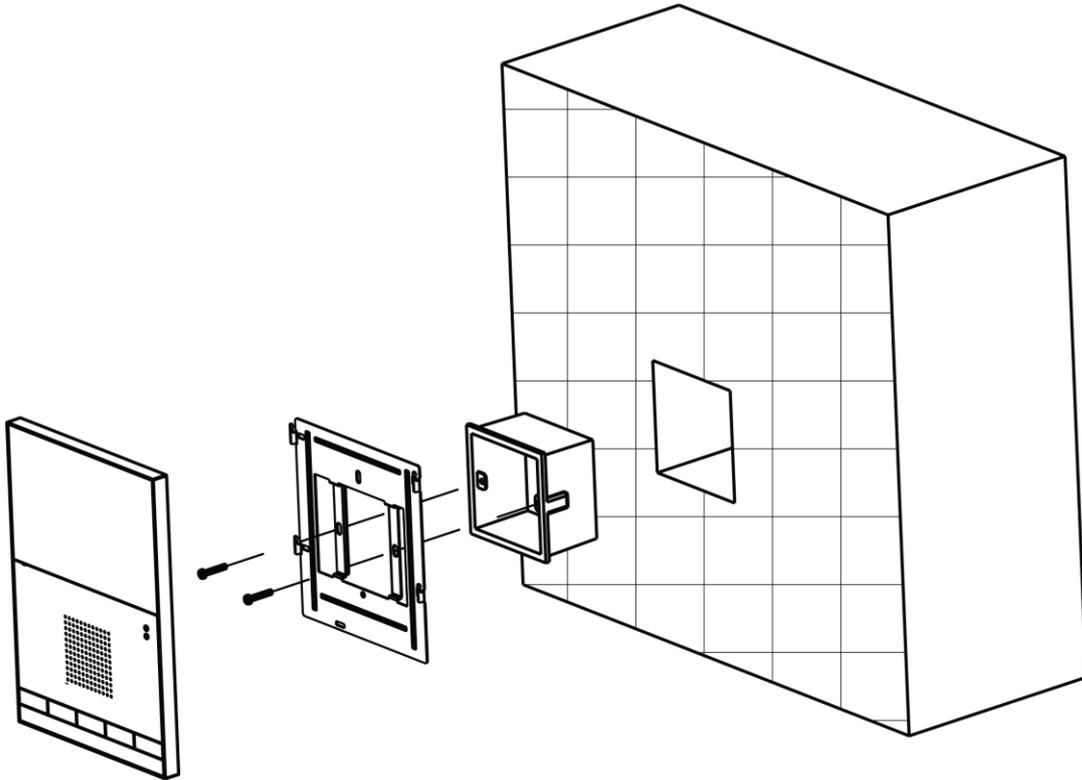


Figure 2- 1

Note:

- Device center to ground shall be 1400mm to 1600mm.
- Try to avoid exposing VTH to bad environment, such as condensation, high temperature, greasy dirt, dust, corrosion, direct sunlight and etc.
- If there is abnormality after you plug in network cable, you should unplug it immediately and unplug the device from power supply. You may plug in the device to power supply after troubleshooting.
- Device installation and test must be done by professional staff. If there is any malfunction or failure, please do not try to dismount or fix it by yourself, and please contact after-sales department for assistance.

3 Basic Function Introduction

3.1 Main Menu

Under standby interface, press menu button to enter main menu.

Item	Function	Operation
MIC	Adjust local MIC volume	<ol style="list-style-type: none"> 1. In main menu, press menu button, select MIC. 2. Press monitor or unlock button, decrease or increase MIC volume.
Call	Adjust local call volume	<ol style="list-style-type: none"> 1. In main menu, press menu button, select call. 2. Press monitor or unlock button, decrease or increase call volume.
Ring	Adjust incoming call ring volume, or return call ring of management center.	<ol style="list-style-type: none"> 1. In main menu, press menu button, select ring. 2. Press monitor or unlock button, decrease or increase ring volume.
Brightness	Adjust local screen brightness	<ol style="list-style-type: none"> 1. In main menu, press menu button, select brightness. 2. Press monitor or unlock button, decrease or increase brightness.
Contrast	Adjust local screen contrast	<ol style="list-style-type: none"> 1. In main menu, press menu button, select contrast. 2. Press monitor or unlock button, decrease or increase contrast.
Setting	Set arm strategy.	<ol style="list-style-type: none"> 1. Please see Ch 3.8.1.1.
Issuing Card Management	Issue card	<ol style="list-style-type: none"> 1. In main menu, press menu button, select issue card. 2. Select issue card option. 3. Place the blank card on card issuing area of VTO to authorize. <p>Note: If you do not swipe card within 10 minutes of you select issue card option, the operation will be invalid. Issue more than 30 cards at the same time is not recommended.</p>
	Delete all	<ol style="list-style-type: none"> 1. In main menu interface, press menu button, select issuing card management option. 2. Select delete all option on menu, to cancel all authorizations of cards.

3.2 Bidirectional Talk with Management Center

Under any interface, by pressing SOS button, you may immediately switch to call management center, and if the call goes through, you will hear corresponding audio response of long and slow beeps from VTH; if the call does not go through; you will also hear corresponding audio response as short and fast beeps from VTH. You may press SOS button again to end the call, and VTH will return to standby interface.

When management center calls VTH, VTH will ring, and you may answer by pressing call button. You may end call by pressing call button again, and VTH will return to standby interface. See Ch 3.1.

3.3 Visual Bidirectional Talk with Door Station

When door station calls VTH, VTH will ring, meanwhile door station video will be displayed on screen. You may press call button to answer and then you may perform a bidirectional talk with the door station, while the screen continues displaying video from door station. You may end call and video by pressing call button again, and the VTH will return to standby interface.

You can set MIC, call, ring, brightness and contrast when talking to VTO. See Ch 3.1.

When there is incoming call on VTH (before answering call), you can press menu button to set ring. See Ch 3.1.

Note:

When connect to villa VTO, under monitoring status, press Call button to talk to VTO.

3.4 Monitoring Function

Under standby interface, by pressing monitor button, you may view video from door station on the screen. You may turn off monitoring by pressing monitor button again, and VTH will return to standby interface.

You can set MIC, call, ring, brightness and contrast under monitoring interface by pressing menu button. See Ch 3.1.

Note:

When connect to villa VTO, under monitoring status, press Call button to talk to VTO.

3.5 Unlocking Function

When call from door station, call door station or VTH monitors door station, you may remotely unlock door station by pressing unlock button.

3.6 DND Function

Under standby status, you may turn on DND function by long pressing call button for 5s; meantime the screen turns on, there will be corresponding message at left middle position. Under DND, when door station calls, you may use the video function without incoming ring. You can connect and start to talk by pressing call button.

Note: For program of some versions, under DND status, message will directly inform you that VTH is busy.

The default DND is 8 hours, and after 8 hours, it will be automatically canceled. To manually turn off DND: under standby status, long press call button for 5s to turn it off.

3.7 View Announcement

When there is no alarm, VTH receives message sent from platform, and the indicator flashes slowly. By pressing monitor button, you can view announcement which is added in the video on door station in rolling display. You can exit announcement viewing by pressing monitor button again.

Note: When there is alarm, you must confirm the alarm before viewing announcement.

3.8 Alarm Function

3.8.1 Arming/Disarming Function

3.8.1.1 Arming/Disarming Strategy

- Step 1. Under standby status, you may enter main menu by pressing menu.
- Step 2. Repeat pressing menu button, select to set menu item. Press call button to enter setup interface.
- Step 3. In setup interface, press menu button, to select alarm zone to set. You can press monitor or unlock button to switch arming type. Press call button again to select alarm zone (check as selected).
- Step 4. Press menu button, select alarm delay. By pressing monitor or unlock button to select alarm delay length. Max alarm delay is 120s.

3.8.1.2 Arming/Disarming

Default setup is arming status.

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Under arming status and standby interface, long press menu button for 5s, device enters disarming status. Screen turns on. It shows disarming prompt at the left and turns off light (no

announcement or alarm info).

Under disarming status and standby interface, long press menu button for 2s, device enters arming status. Screen turns on. It shows arming prompt at the left and light is NO (no announcement or alarm info).

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Under arming status and standby interface, long press menu button for 5s, device enters disarming status. Screen turns on. It shows disarming prompt at the left and light NO (no announcement or alarm info).

Under disarming status and standby interface, long press menu button for 2s, device enters arming status. Screen turns on. It shows arming prompt at the left and light in on for 2s, and off for 0.5s. (no announcement or alarm info).

3.8.2 Alarm Message and Reporting Function

VTH has 4 channels for alarm, and each channel alarm type can be set. There are 7 alarm types in total, including fire, SOS, gas, smoke, door sensor, intrusion and other. When anyone in the 4 alarm channels triggers alarm, screen will display related alarm info, and VTH indicator quickly flashes with alarm ring. Press monitor button, confirm alarm info, and meanwhile info indicator resume NO status. Alarm ring stops and prompt in screen is cleared. All alarm information will be reported to management center after local display.

3.8.3 Alarm Output

When alarm occurs, alarm output port will generate level fluctuation for one minute.

4 FAQ

- Q: The screen of VTH is black, and the indicator remains off, what should I do?
A: Check the connection of network cable.
- Q: I cannot call or monitor via the VTH, what should I do?
A: Check the connection of network cable, and confirm if the corresponding door station is working as normal.
- Q: When there is incoming call from door station, but the ring is not working, what should I do?
A: Confirm if you have turn on DND function.
- Q: I have other problems, what should I do?
A: Please contact technical staff for further assistance.

Appendix 1 Technical Specifications

Model	VTH1200 CS	VTH1200 DS
LCD Screen		
Type	Color TFT LCD Screen	
Resolution	480*272	
Video		
Video	CVBS composite video	
Audio		
Input	1-ch MIC input	
Output	1-ch speaker output	
Button		
Physical Button	5 physical buttons: SOS, menu, call, monitor and unlock.	
Alarm		
Alarm Input	4 channels	
Alarm Output	1 channel (for some models)	
Installation		
Installation	Bracket installation	
General		
Power	DC 24V	
Power Consumption	Standby 1W, max 4W	
Dimensions	220*156*12mm	192*125*15mm
Working Environment	-10℃~55℃	

Note:

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