# VTH Series User's Manual

V3.2.2

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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.
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- If there is any uncertainty or controversy, please refer to the final explanation of us.
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# 1 General Introduction

## 1.1 Model List

This manual is for the following product models; please carefully check your model and corresponding functions.

| VTH15 Series | Model | Screen | SD Card |
|---|---|---|---|
| B | VTH1550B | Capacitive touch screen | Not support |
| | VTH1560B(W) | Capacitive touch screen | Support |

## 1.2 Front Panel

The front panel of the series product is shown in Figure 1- 1 VTH15 Series B(W) Model.



Figure 1- 1 VTH15 Series B(W) Model

## 1.3 Rear Panel

Ports of VTH of different models may have different locations, but corresponding ports' functions stay the same.
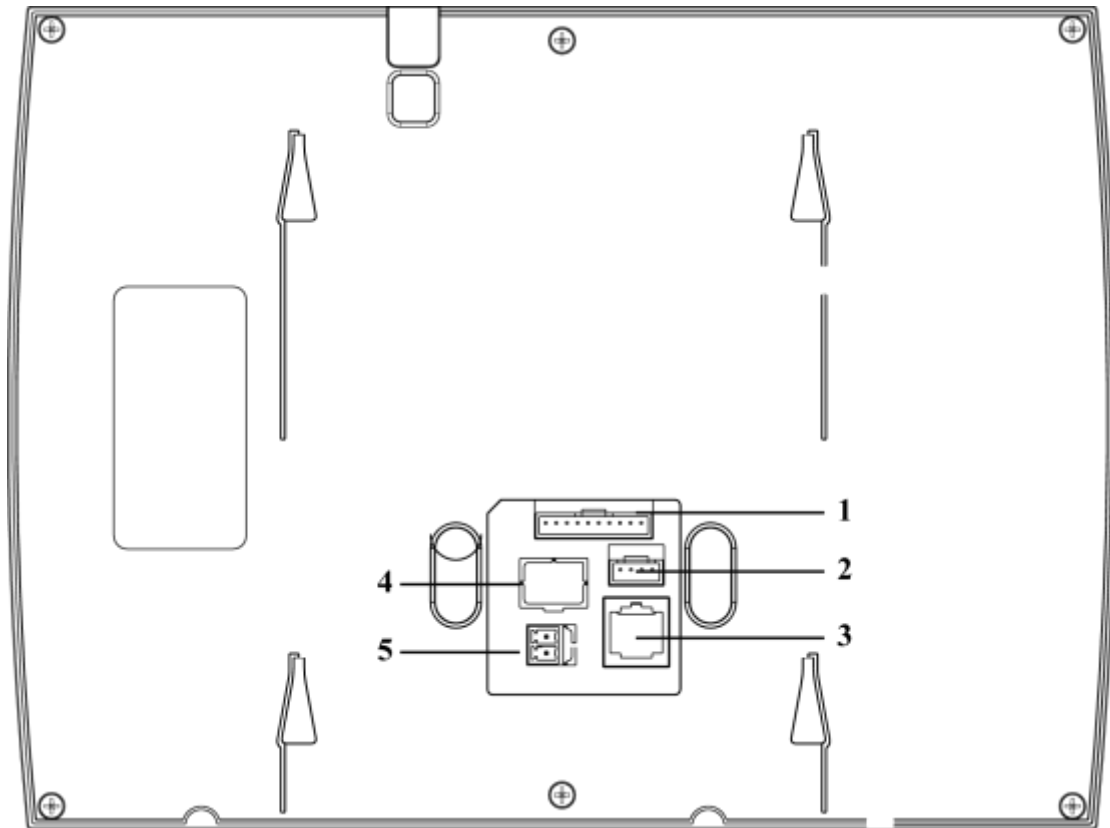


Figure 1- 2 VTH15 Series AH Model

| No. | Name | Note |
|-----|------|------|
| 1 | Alarm port | 8-ch alarm, may connect to external alarm extension module, refer to label for details. |
| 2 | Debug port | For installation staff use only. |
| 3 | Network port | Plug in network cable. |
| 4 | Handset port | For model with handset only. |
| 5 | Power port | Connect to 2-pin plug 12V. |
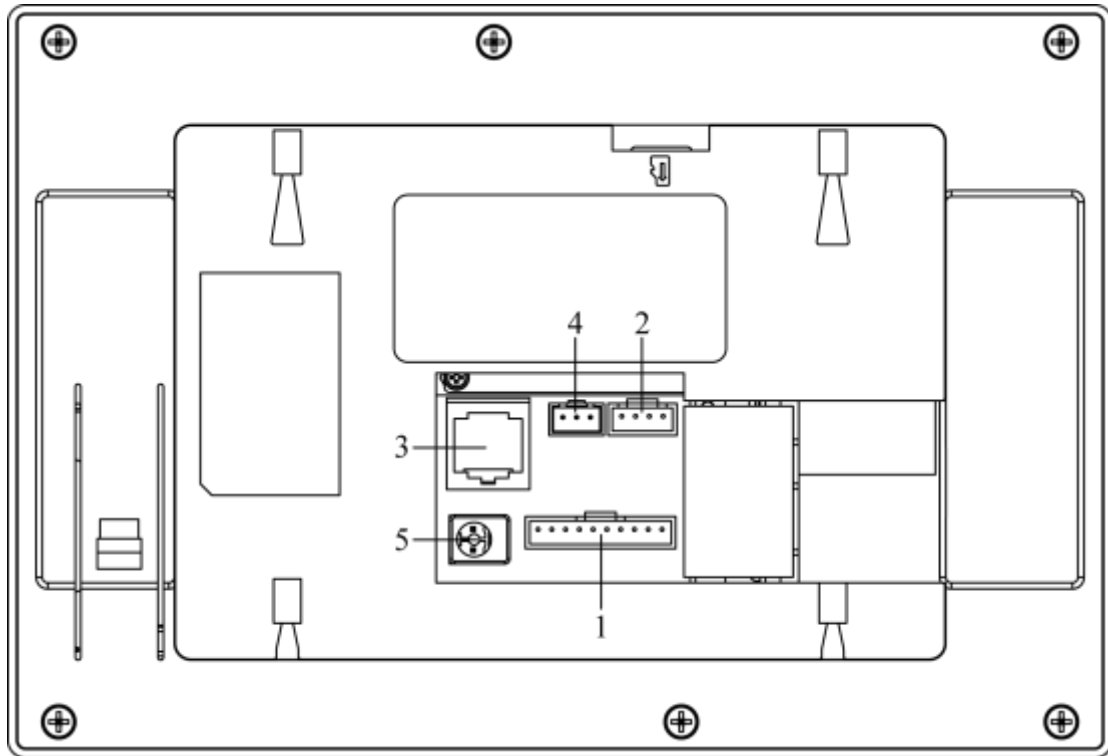
Figure 1- 3 VTH15 Series CH Model

| No. | Name | Description |
|---|---|---|
| **1** | Alarm Port | 8-ch alarm, please refer to tag. |
| **2** | Debug Port | Extension port, for RS485 communication port. |
| **3** | Network Port | Plug in network cable. |
| **4** | Alarm Output | Note:<br>Reserved port. |
| **5** | Power Port | Connect to 2-pin green 12V power supply. |

# 2 Product Function

## 2.1 Basic Function

### 2.1.1 Main Menu

The product main interface has four menus: Video Talk, Security, Message, and Settings. See Figure 2- 1.



Figure 2- 1 VTH15 series

| Icon | Name | Note |
|------|------|------|
| | Network connection icon | It means network connection is normal. |
| | VTO not connected | It means device does not connect to any VTO. |
| | DND icon | It means device enable DND (do not disturb) function. |
| | SD card icon | It means device has SD card inserted. |
| | Missed icon | It means user has missed message. |

**2.1.2 Video Talk**

2.1.2.1 Call User

This function is used for VTH to call VTH.

Step 1.    Click on , Input room no. of user to call (i.e. Building 1, Unit 1,

Room 101 is 1-1-101), press  icon to call. When the user being called answers the

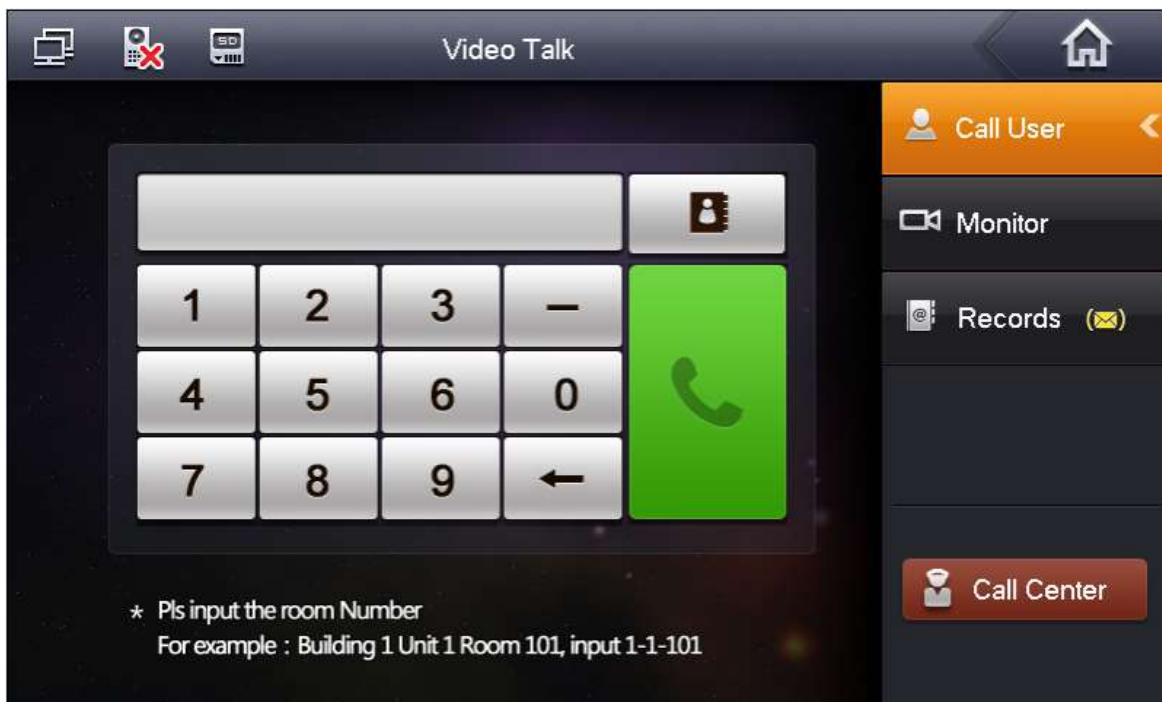call, user can have a bidirectional talk. See Figure 2- 2.



Figure 2- 2

Step 2.    Click on  contact book icon, user can call, add, edit and delete contacts.
Note:
If both the two indoor door stations are VTH-CM models (with front camera), then you can
perform a bidirectional visual talk. See Figure 2- 3.

Figure 2- 3

2.1.2.2 Monitor

Click on  **Monitor** , you can monitor unit VTO, fence station or IPC.

2.1.2.3 Call History

Click on  **Records**, you can view missed call, answered call and called call. See Figure 2- 4.

Figure 2- 4

### 2.1.2.4 Management Center

Click on [Call Center] or press Emergency button, and it is to call MGT center.

### 2.1.3 Security

In homepage, click on Security to enter Security interface.

### 2.1.3.1 Armed zone

Step 1.  Click on [Area Status], interface shows current 8-ch area status, including Area Type, Current Status, and Delay Time. See Figure 2- 5.
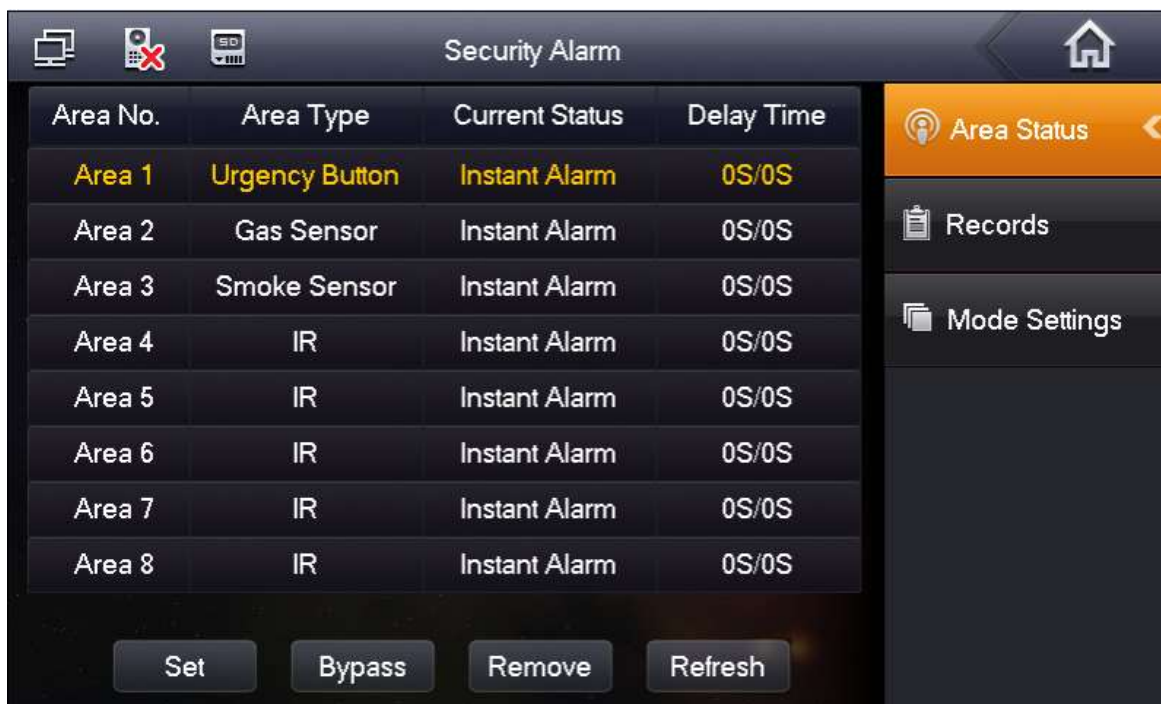
Figure 2- 5

Step 2.   Click on Set, input password, to enter area setting interface. See Figure 2- 6.
Note:
The entry password is user password. Default password is 123456, please see Ch 2.1.5.



Figure 2- 6

You can set bypass and delete for 4~8 channels to disable area for one time or long-term.

2.1.3.2 Alarm History

Click on ![Records], and it records alarm time, area no., and event.

Meantime, alarm info will be simultaneously uploaded to management platform. When each channel has alarm, there will be a 15s alarm locally, plus a pop-up alarm interface.

2.1.3.3 Mode Setup

Click on ![Mode Settings], set area alarm mode, including Out mode, In mode, Sleep mode and Custom mode. See Figure 2- 7.



Figure 2- 7

Note:

Password to enter mode setup page is the user password, and default password is 123456. Refer to Ch 2.1.5.

**2.1.4 Info Search**

In homepage, click on Info Search, to enter Info Search interface.

2.1.4.1 Publish Info

Click on ![Publish Info], you can view, delete and clear information published.

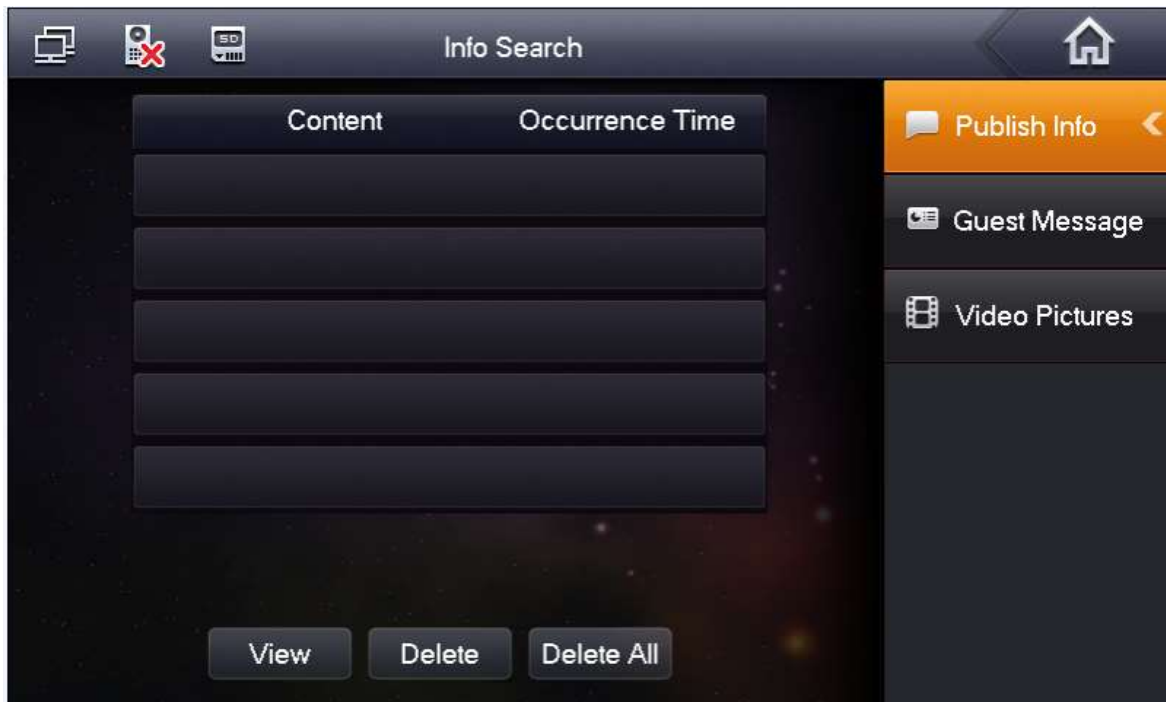VTH receives information from the center, and indicator will turn on.



Figure 2- 8

2.1.4.2 Guest Message

Click on [Guest Message] , user can view guest message with time and location on VTH.

2.1.4.3 Video Pictures

Step 1. Click on [Video Pictures] , user can view video and picture during monitoring and
talk on VTH.
Step 2. Click on Records to view, delete and clear records. See Figure 2- 9.
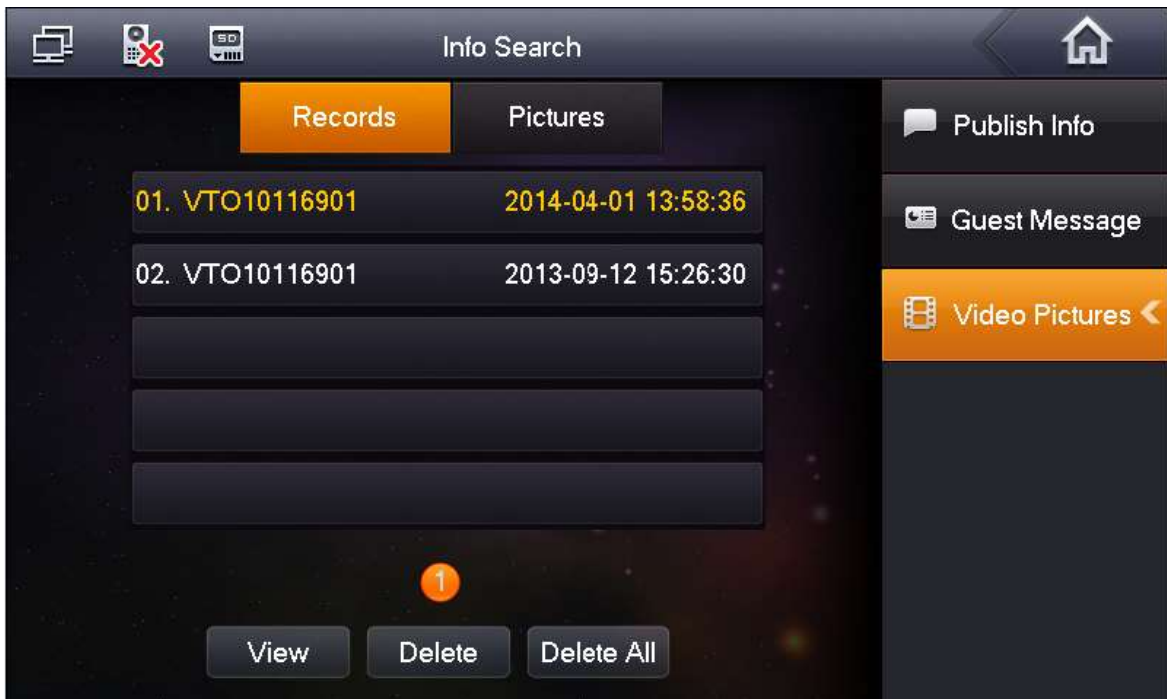
Figure 2- 9

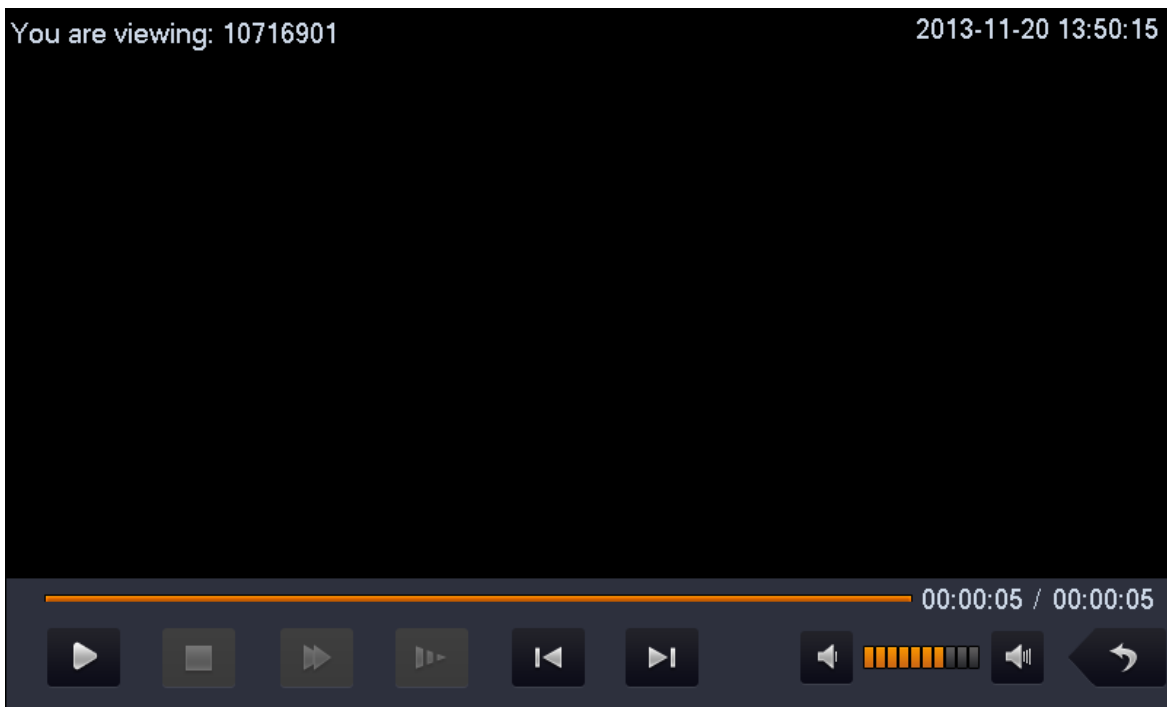Step 3.   Click on View to play record. See Figure 2- 10.



Figure 2- 10

Step 4.   Click on file to view, delete or clear pictures.

Note:

On VTH project setting interface, enable  function. When VTO calls VTH, VTH will take three photos automatically and save them to local SD card. (Only Some models support this function)

**2.1.5 System Settings**

In System Settings interface, user can set screen brightness, incoming ring, alarm ring, talk time, DND time and etc. The following introduces the most commonly used functions.
User

2.1.5.1 User Settings

Click on ![User Settings icon], you can set password, ring, talk, DND, local IPC, clean, touch ring, SD card and snapshot plus restore default settings. See Figure 2- 11.
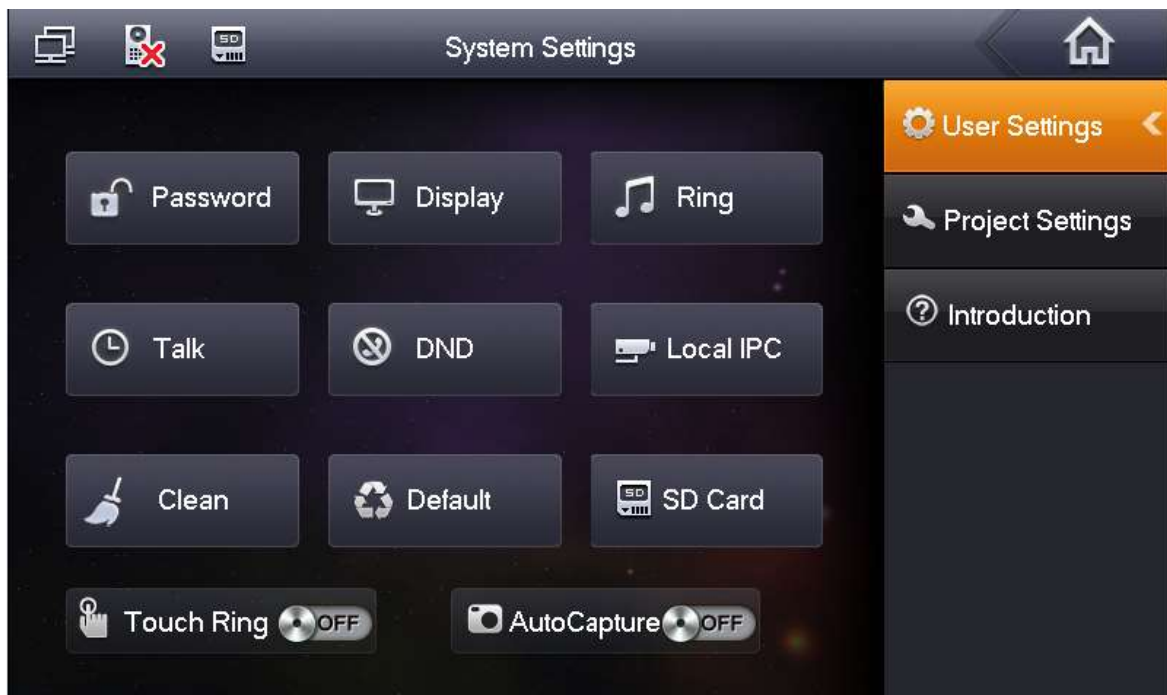


Figure 2- 11

**Password**
Step 1.   Click on Password. You can set user password, unlock password, arm password and anti-hijack password. See Figure 2- 12.
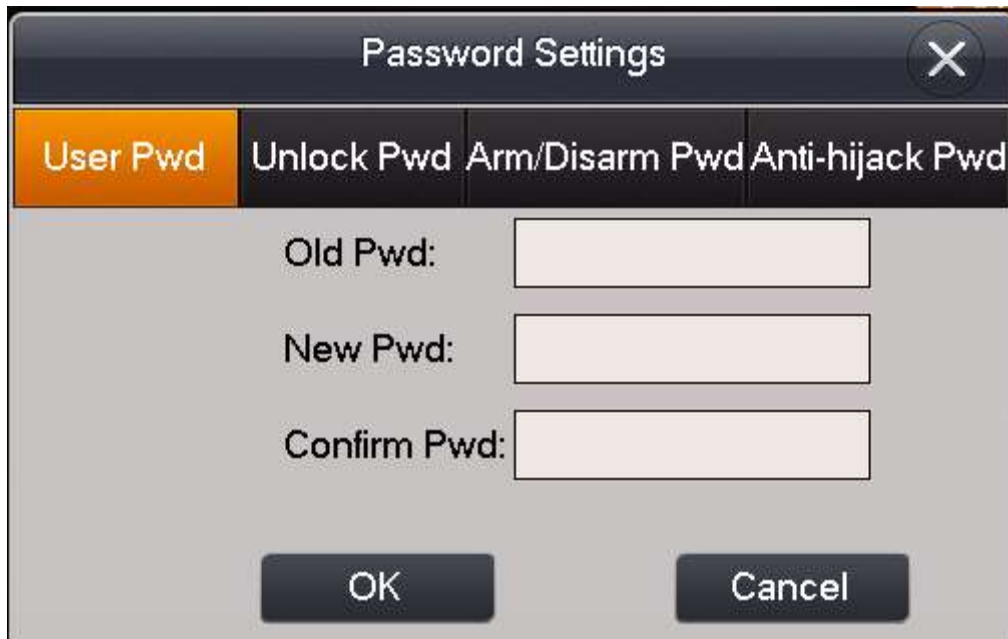
Figure 2- 12

- User password initially is 123456.
- Unlock password initially is null.
- Arm password initially is 123456.
- Disarm password initially is 123456.
- Anti-hijack password initially is 654321.

Note:

Some series has the same password for arming and disarming.

Step 2.    Click on OK when you complete.

**Display**

Click on Display. You can set screen brightness and screensaver via ➕ and ➖.

**Ring**

Click on Ring. You can set call ring and alarm ring via ➕ and ➖.

**Talk**

Step 1.    Click on Talk. You can set ring, call time, monitor time, record time and message time of VTO and VTH. See Figure 2- 13.

Figure 2- 13

Step 2.   Click on ➕ to increase time, click on ➖ to decrease time. Unit is second.

Step 3.   Click on OK.

**DND**

Click on DND to set do not disturb time. Unit is hour.

**Local IPC**

Step 1.   Click on Local IPC. You can set IPC name, address, username and password. See Figure 2- 14.

Figure 2- 14

Step 2.   Click on Save.

Step 3.   In homepage, click on talk to view added IPC video.

**Clean**

Click on Clean to lock screen and now you can clean the screen.

**Default**

Click on Default to restore system default settings.

**SD card**

Click on SD Card, you can view SD card free space or format SD card.

Note:

Password to enter SD card setting interface is the user password, which is initially 123456.

**Touch Ring**

Slide . ON means touch sound is on. OFF means touch sound is off.

**Auto Capture (Snapshot)**

Slide . ON means snapshot is on. OFF means snapshot is off.

2.1.5.2 Project Settings

Click on **Project Settings**, this function is for installer user only. The entry password is 002236.

2.1.5.2 Introduction

Click on **Introduction**, you can view this product and problems might encounter during usage. See Figure 2- 15.



Figure 2- 15

## 2.2 Unlock

When VTH is being called, monitored, in call status, press unlock button or unlock icon on VTH to remotely unlock door.

## 2.3 Arm/Disarm

**Disarm Status**
Press arm icon in homepage, select one mode (out, in, sleep and custom). In pop-up box, input arm password (default password is 123456.). See Figure 2- 16.
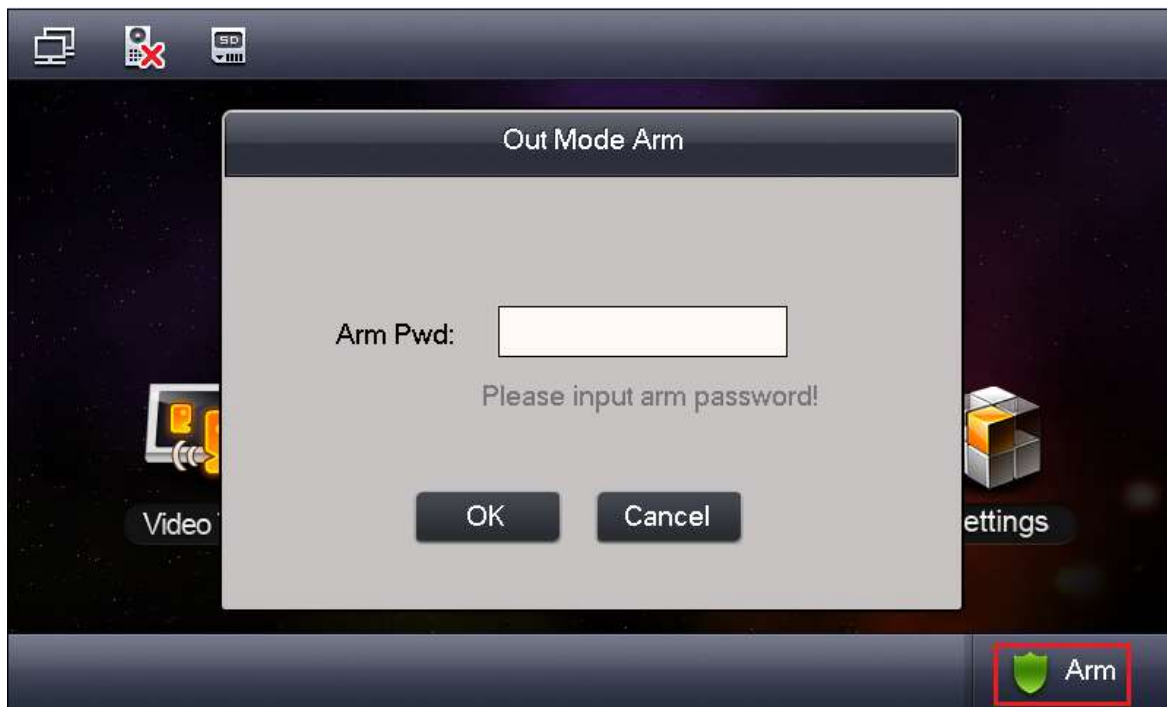
Figure 2- 16

- If you select delay, then system will enter armed status after the delay period.
- If you select immediate arm, then system will enter armed status when audio prompt ends.

**Arm Status**

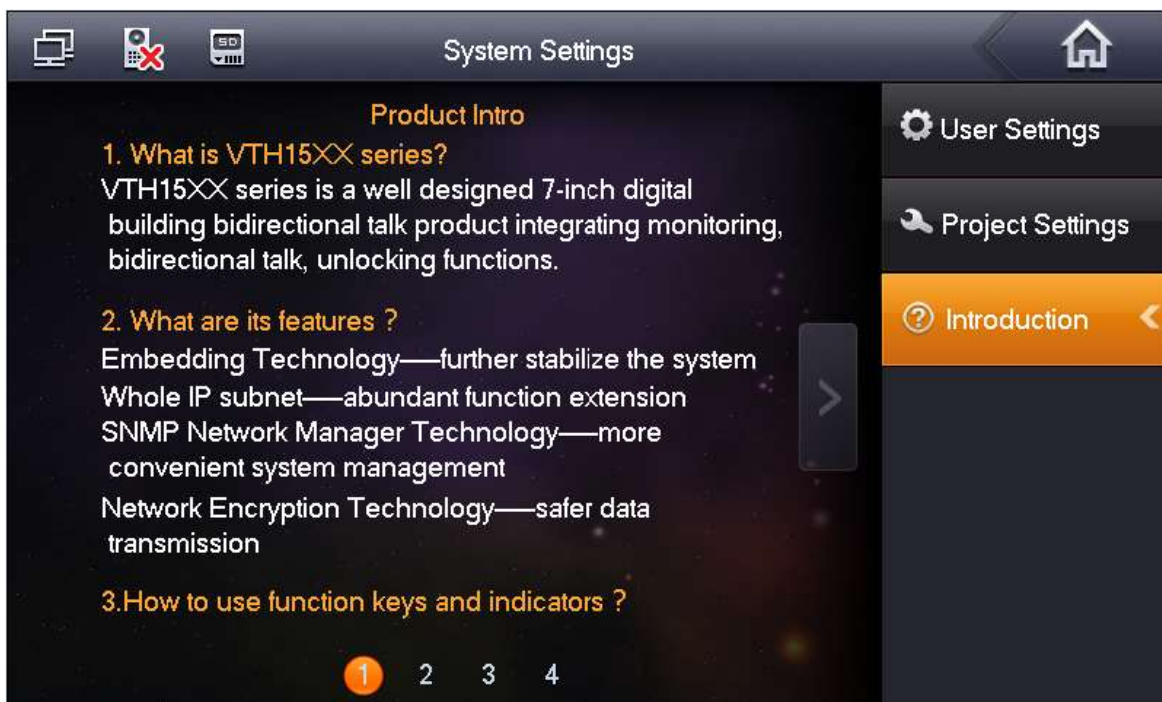Press disarm icon in the lower right corner of homepage. Input disarm password (default password is 123456.). If the password is correct, system will say disarmed successfully. If the password is incorrect, system will ask you to try again.

## 2.4 Screen Calibration

The product is calibrated before shipped out from factory, and if you want to calibrate the screen, press unlock+arm/menu button to enter calibration interface. Calibrate the screen according to the tips.

# Appendix 1 Technical Specification

| VTH15 Series Model | Model A | Model AH | Model AS/AS-H | Model B(W) | Model CS | Model CH |
|---|---|---|---|---|---|---|
| **System** | | | | | | |
| Main Processor | Built-in microcontroller | | | | | |
| Operating System | Built-in LINUX system | | | | | |
| **Video** | | | | | | |
| Video Compression Standard | H.264 | | | | | |
| Video Resolution | 800x480 | | | | | |
| Front Camera | Only VTH1520CH supports front camera, 0.3 megapixel. | | | | | |
| **Audio** | | | | | | |
| Input | All-direction microphone | | | | | |
| Output | Built-in loudspeaker | | | | | |
| Bidirectional Talk | Support bidirectional talk | | | | | |
| **Display** | | | | | | |
| Screen Dimension | 7 inch TFT full real color | | | | | |
| **Operating Mode** | | | | | | |
| Input | Mechanical button (SOS, arm/menu, call, monitor, unlock), touch screen technology | | | | | |
| **Alarm** | | | | | | |
| Alarm Input | Support 8 channels alarm input | | | | | |
| Alarm Output | N/A | | | | | 1-ch local alarm output |
| **Network** | | | | | | |
| Ethernet | 10M/100Mbps self-adaptive | | | | | |
| Networking Protocol | TCP/IP | | | | | |
| WIFI | Only VTH1580CS support WIFI. | | | | | |
| **Specifications** | | | | | | |
| Power | DC 10~15V or AV direct supply | | | | | |
| Power | Standby ≤1.5W ; Working ≤7W | | | | | |

| Consumption | | | | | | |
|---|---|---|---|---|---|---|
| Working | -10℃~+60℃ | | | | | |
| Environment | 10~90%RH | | | | | |
| Dimensions (L*W*H) | 221mm*154 mm*25mm | 221mm*154 mm*25mm | 192mm*261 mm*24mm | 221mm*154 mm*25mm | 181mm*262 mm*16mm | 200mm*136 mm*22 mm |
| Weight | 0.8 kg | | | | | |

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