Digital VTH (Version 4.8)

User's Manual



V1.0.0

Foreword

This manual introduces the structure and configuration of digital VTH. Read carefully before using the VTH, and keep the manual safe for future reference.

Safety Instructions

The following signal words might appear in the manual.

Signal Words	Meaning
DANGER Indicates a high potential hazard which, if not avoided, will redeath or serious injury.	
	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
© <u>∽∿</u> TIPS	Provides methods to help you solve a problem or save time.
	Provides additional information as a supplement to the text.

Revision History

Version	Revision Content	Release Time
V1.0.0	First release.	December 2024

Privacy Protection Notice

As the device user or data controller, you might collect the personal data of others such as their face, audio, fingerprints, and license plate number. You need to be in compliance with your local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures which include but are not limited: Providing clear and visible identification to inform people of the existence of the surveillance area and provide required contact information.

About the Manual

- The manual is for reference only. Slight differences might be found between the manual and the product.
- We are not liable for losses incurred due to operating the product in ways that are not in compliance with the manual.

Т

• The manual will be updated according to the latest laws and regulations of related jurisdictions. For detailed information, see the paper user's manual, use our CD-ROM, scan the QR code or visit our official website. The manual is for reference only. Slight differences might be found between the electronic version and the paper version.

- All designs and software are subject to change without prior written notice. Product updates might result in some differences appearing between the actual product and the manual. Please contact customer service for the latest program and supplementary documentation.
- There might be errors in the print or deviations in the description of the functions, operations and technical data. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and company names in the manual are properties of their respective owners.
- Please visit our website, contact the supplier or customer service if any problems occur while using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Important Safeguard and Warnings

This section introduces content covering the proper handling of the device, hazard prevention, and prevention of property damage. Read carefully before using the device, and comply with the guidelines when using it.

Installation Requirements



- Do not connect the power adapter to the device while the adapter is powered on.
- Do not connect the device to two or more kinds of power supplies, to avoid damage to the device.
- Please follow the electrical requirements to power the device.
 - ◇ Following are the requirements for selecting a power adapter.
 - The power supply must conform to the requirements of IEC 60950-1 and IEC 62368-1 standards.
 - The voltage must meet the SELV (Safety Extra Low Voltage) requirements and not exceed ES-1 standards.
 - When the power of the device does not exceed 100 W, the power supply must meet LPS requirements and be no higher than PS2.
 - We recommend using the power adapter provided with the device.
 - When selecting the power adapter, the power supply requirements (such as rated voltage) are subject to the device label.



- Personnel working at heights must take all necessary measures to ensure personal safety including wearing a helmet and safety belts.
- Do not place the device in a place exposed to sunlight or near heat sources.
- Keep the device away from dampness, dust, and soot.
- Install the device on a stable surface to prevent it from falling.
- Install the device in a well-ventilated place, and do not block its ventilation.
- Use an adapter or cabinet power supply provided by the manufacturer.
- Use the power cords that are recommended for the region and conform to the rated power specifications.
- The device is a class I electrical appliance. Make sure that the power supply of the device is connected to a power socket with protective earthing.

Operation Requirements



Battery Pack Precautions

Preventive measures (including but not limited to):

- Do not transport, store or use the batteries in high altitudes with low pressure and environments with extremely high and low temperatures.
- Do not dispose the batteries in fire or a hot oven, or mechanically crush or cut the batteries to avoid an explosion.

- Do not leave the batteries in environments with extremely high temperatures to avoid explosions and leakage of flammable liquid or gas.
- Do not subject the batteries to extremely low air pressure to avoid explosions and the leakage of flammable liquid or gas.



- Check whether the power supply is correct before use.
- Do not unplug the power cord on the side of the device while the adapter is powered on.
- Operate the device within the rated range of power input and output.
- Transport, use and store the device under allowed humidity and temperature conditions.
- If the device is powered off for longer than a month, it should be placed in its original package and sealed. Make sure to keep it away from moisture, and store it under allowed humidity and temperature conditions.
- Do not drop or splash liquid onto the device, and make sure that there is no object filled with liquid on the device to prevent liquid from flowing into it.
- Do not disassemble the device without professional instruction.

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1 Product Overview

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The following front and rear panel figures are for reference only.

1.1 Front Panel

1.1.1 VTH2421F Series

Figure 1-1 Front panel



1.1.2 VTH2611L/2612L Series



Figure 1-2 Front panel

1.1.3 VTH2621G/VTH2622G Series

Figure 1-3 Front panel



1.1.4 VTH5221D Series



Figure 1-4 Front panel

Table [•]	1-1	lcon	description
--------------------	-----	------	-------------

lcon	Name	Description	
SOS	sos	Emergency call.	
Ca	Call	 Answer call. During call, press to hang up. During monitoring, press to speak to unit VTO, villa VTO, fence station and second confirmation station. During speaking, press to exit speaking. 	
	Menu	Go to main menu.	
C1	Monitor	 In standby mode, press to monitor the main VTO. During monitoring, press to exit monitoring. 	
6	Unlock	When calling, talking, monitoring and speaking to VTO, press to unlock corresponding VTO.	

1.1.5 VTH5241D Series



Figure 1-5 Front panel

lcon	Name	Description	
SOS	SOS	Emergency call.	
Ca	Call	 Answer call. During call, press to hang up. During monitoring, press to speak to unit VTO, villa VTO, fence station and second confirmation station. During speaking, press to exit speaking. 	
	Menu	Go to main menu.	
C1	Monitor	 In standby mode, press to monitor the main VTO. During monitoring, press to exit monitoring. 	
6	Unlock	When calling, talking, monitoring and speaking to VTO, press to unlock corresponding VTO.	

1.1.6 VTH5421E Series

Figure 1-6 Front panel



1.1.7 VTH5421H/VTH5422H Series

Figure 1-7 Front panel



1.1.8 VTH5441G Series

Figure 1-8 Front panel



1.1.9 VTH8621K/VTH8622K/VTH8641K/VTH8642K Series



Figure 1-9 Front panel

1.2 Rear Panel

Port positions at the rear panel may differ depending on the actual product. For details about the alarm port, see "1.3 Alarm Port".

1.2.1 VTH2421F Series







No.	Port
1	Power port
2	Network port
3	Alarm port

1.2.2 VTH2611L/2612L Series



Figure 1-11 Rear panel



No.	Port	
1	Alarm port	
2	 2611L: Power input port 2612L: 2-wire port 	
3	Network port	

1.2.3 VTH2621G Series



Figure 1-12 Rear panel (non 2-wire)

Table 1-5 Rear panel description

No.	Port
1	Alarm port
2	Power input port
3	Network port

1.2.4 VTH2622G Series



Figure 1-13 Rear panel (2-wire)



No.	Port
1	Alarm port
2	2-wire port
3	Network port

1.2.5 VTH5221D Series



Figure 1-14 Rear panel



No.	Port
1	Reset button
2	Network port
3	RS-485 extended port
4	Alarm port
5	SD card slot

Figure 1-15 RS-485 extended port



1.2.6 VTH5241D Series

Figure 1-16 Rear panel



Table 1-8 Rear panel description

No.	Port
1	Network port
2	RS-485 extended port
3	Alarm port

Figure 1-17 RS-485 extended port



1.2.7 VTH5421E Series

Figure 1-18 Rear panel



Table 1-9 Rear panel description

No.	Port
1	RS-485 extended port

No.	Port
2	Power port
3	Network port
4	Alarm port

Figure 1-19 RS-485 extended port



1.2.8 VTH5421H/VTH5422H Series

Figure 1-20 Rear panel



Table 1-10 Rear panel description

No.	Port
1	Alarm port
2	RS-485 and power output port
3	 5421H: Power input port 5422H: 2-wire port
4	Network port

Figure 1-21 RS-485 port



1.2.9 VTH5441G Series



Figure 1-22 Rear panel



No.	Port
1	Network port
2	Alarm port

1.2.10 VTH8621K/VTH8622K Series



Figure 1-23 Rear panel

Table 1-12 Rear panel description

No.	Port
1	Alarm port
2	RS-485 and power output port
3	 8621K: Power input port 8622K: 2-wire port
4	Network port

1.2.11 VTH8641K/VTH8642K Series



Figure 1-24 Rear panel

Table 1-13 Rear panel description

No.	Port
1	RS-485 and power output port
2	Alarm port
3	 8641K: Power input port 8642K: 2-wire port
4	Network port

1.3 Alarm Port

Figure 1-25 Alarm port



1.4 Function

Wi-Fi Networking

Connect to Wi-Fi networks.

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The Wi-Fi function is available on select models.

Video/Voice Call

Make video or voice call to other VTOs and VTHs.

Monitoring

Monitor fence station, VTO and IPC devices (only supported by certain models).

Concierge

Make calls to the Management Center.

Auto Snapshot

Take snapshots when calling or monitoring, and store them in the SD card.

\square

The SD card is available on select models.

DND (Do Not Disturb)

Mute all message and call notifications.

Remote Unlock

Unlock doors remotely.

Arm and Disarm

Arm and disarm up to 8 alarm wired devices and 6 alarm wireless devices.

Playback

Play back videos and pictures in the SD card.

 \square

The SD card is available on select models.

Alarm

Alarms will trigger linkage and be sent to the Call Center and server.

Record

View call and alarm records.

Message

View picture messages and announcements.

2 VTH Initialization

2.1 Initialization through the Device

This manual uses the snapshots from 7-inch device as the example. The interfaces on 4.3-inch and 10-inch device are the similar with that on 7-inch device.

Figure 2-1 Region

 \square

The snapshots are for reference only.

Procedure

Step 1 Select a region, and then tap **Next**.



Select a language, and then tap Next. Step 2

Figure 2-2 Language

<i>←</i>	N Select Language	
English	British English	Nederlands
Français	Deutsch	ItalAIno
Português(Europa)	Русский	Español (Europa)
Українська	العربية	Español (América Latina)
	≪ < 1/2 > ≫	

<u>Step 3</u> Select **Apartment** or **Villa**, and then tap **Next**.

This section takes **Villa** as an example.

<i>←</i>	Select Device Scene	Next
Apartment	Villa	

<u>Step 4</u> Select **First-time Config** , and tap **Next**.

Figure 2-3 Scene

Figure 2-4 First-time configuration

← ¥	Next onfiguration method
The second secon	First-time Config
Tez.	Replace Device

Step 5Configure the network parameters, and then tap Next.You can also enable DHCP , and then tap Next.

Figure 2-5 IP settings

1 IP Settings	\leftarrow	IP Settings	Next
	DHCP		
2 Set Pass	Local IP	10.4	
3 Initialize	Subnet Mask	24 . 24	
	Gateway	72.4.	
4 Device C			

<u>Step 6</u> Set a password for the VTH, and then tap **Next**.

You can select the **Email**, and then enter the email address for resetting the password.

- \square
- The password is used to enter project setting.
- If you select **Apartment** in Step 2, initialization is completed with this step.

Figure 2-6 Password setting

✔ IP Settings	\leftarrow	Set Password	Next		
	New Password	•••	بر		
2 Set Pass	Confirm Password		ኯ		
3 Initialize	Email		\bigcirc		
4 Device C					
-	Password must be 8 to 32 characters, including at least two of the following categories: n uppercase letters, lowercase letters and special characters (Characters like ' " ; : & can included in).				

<u>Step 7</u> Tap **Uninitialized** to initialize a single device, and then tap **Next**.

Initialize All : If there are many devices, tap to initialize all devices that are displayed in the list.

<u>Step 8</u> After initialization, tap **Edit** to configure the detailed information of the device.

 \square

- The device you are using cannot be edited.
- ⊡ : Indicates that the device is the main device.
- 🖽 : Indicates that the device is the sub device.

IP Settings	Certification Config Log out					og out
	Devi	SN:	MAC Address	Local IP	Results	Initialize
Set Pass		CONTRACTOR .	$\operatorname{simp}(\operatorname{sim}(X)) \leq X)$	conserve.		Edit
	"	APPENDER.	0.0144.5	10.423	-	Edit
Initialize		and an an array of the	$\operatorname{right}_{\mathcal{B}} = \{0, 0\}$	10.179	-	Edit
			· §			
4 Device C						
_						
					C	Configure

Figure 2-7 Edit the device information

<u>Step 9</u> Configure the parameters, and then tap **OK**.

• Configure the network parameters if you want to configure the VTH.

Figure 2-8 Configure the VTH



• Configure the network parameters if you want to configure the sub VTO.


Figure 2-9 Configure the sub VTO

• Configure the network parameters and the time if you want to configure the main VTO.



		V	то		
		Main VTC			
Local IP	69 - S -	1.1	Date Format	DD-MI	M-YYYY
Netmask	20 . 20	с., г. — I	Time Format	24-	Hour
Gateway	nu . e .	s _ 2	Date	01 - 01 - 2000	00:07:40
Video Forma	nt 🕑 PAL		Time Zone	UTC	+00:00
		Cancel	ОК		

<u>Step 10</u> Tap **Configure** to finish the initialization.

- Log out : Tap to directly go to the home screen. If you edit the parameters, and tap Log out, the configurations for the device are invalid.
- **Modify** : Tap to modify the device configurations.

	\leftarrow	Certification Device Config Log out				
IP Settings	Devi	SN:	MAC Address	Local IP	Results	Initialize
Set Pass		CONTRACTOR -	4049402520	consister.	7	Edit
Set Fass	I	ANTEN 214.	0.044.01.5	(1147.)	-	Modify
Initialize	A	CONCERNMENT OF	ridhiari s P	10142.9	-	Modify
4 Device C						
_						
					C	onfigure

Figure 2-11 Configure the device

2.2 Initialization through the ConfigTool

You can initialize the VTH, and configure the building parameters through the ConfigTool. For details, see the ConfigTool user's manual.

3 VTH Screen Operation

3.1 Home Screen

56789 3 4 9901#0 10 5 - 10 13 0:0 X - 11 Tue, 19 Nov 2024 Call Info 18. 1 12 × 13 Ø 17 88 Monitor Setting 14 16 15

Table 3-1 Home screen description

No.	Name/Icon	Description
1	Room number	Number of the room where the VTH is located.
2	Time and Date	Displays the time and date.
3	Call	 Call other VTOs and VTHs. View and manage the contacts and call records. Call the DMSS app.
4	Info	 View, delete and clear announcements or security alarm information. When the VTH does not have an SD card, and the video-audio message uploading function is enabled on the VTO, you can view, delete and clear the messages. When the VTH has an SD card, you can view, delete and clear the videos and pictures.
5		Displays the door detector status.
6	•	Displays the cloud service status.

Figure 3-1 Home screen

No.	Name/Icon	Description
7		Displays the SD card status.
		The SD card is available on select models.
8		Failed to connect to the SIP server.
9		Connected to the network through a cable.
10		Tap to view the home screen. You can call, monitor, view the information and enter the setting screen.
11	(<u>Å</u>	DND. Enable to not receive calls or messages.
12		The QR code for downloading the DSS app, registering for the DSS app and scanning the DMSS QR code to remotely manage the device.
13	\bigotimes	Scene. Tap to select one of the following arming modes: Sleep , Away , Home or Custom .
14	88	 View the other main functions, including restarting the system and calling the Management Center. Edit the home screen. For details, see "3.2 Editing Home Screen".
15	Setting	Enter setting page to configure the call, alarm, scenes, general parameters and view the system information.
16	Monitor	Monitor VTOs, fence stations, IPCs and NVRs.
17	Ø	Tap to turn off the current screen.
18	<i>ڍ</i> ک	DND. Enable to not receive calls or messages.

3.2 Editing Home Screen

Edit the home screen to display the functions as needed.

Procedure

Step 1 Tap to view other functions, and then tap **Edit Home Screen**.

- Call the management center.
- 🕘: Restart the VTH.
- **1** Call the lift.

Figure 3-2 Other functions



- Step 2 Select the functions that you want to be displayed on the home screen, and then tap to save the configuration.
 - and are displayed by default. 3 functions can be displayed or modified on the home screen.

Figure 3-3 Home screen functions

\leftarrow	Edit Home Screen	6
DND		
QR Code		
Scene		
Property Management		
Restart		
Call Lift		

3.3 Call

Manage contact, call and view call records.

 \square

3.3.1 Call Log

Tap Call > 送	to view and manage call records.
--------------	----------------------------------

Figure 3-4 Call log

\leftarrow	All Calls	Missed Calls	E
27	Main VTO	2023-05-11 14:44:34	
2	Main VTO	2023-05-11 14:44:27	R
62	Main VTO	2023-05-11 14:44:20	
5	Main VTO	2023-05-11 14:44:02	А
2	Main VTO	2023-05-11 14:43:57	
2	Main VTO	2023-05-11 14:43:51	
~	< 1/2 > >>		-

- Call back: Tap a call record to call back.
- Delete: Tap , select records, and then tap to delete them.
- Clear: Tap to clear all records in the current tab (All Calls or Missed Calls).

If storage is full, the oldest records will be overwritten. Back up the records as needed.

3.3.2 Contacts

Viewing Contacts

Select Call > (2), and then add or edit the users.

Figure 3-5 Contacts



Adding the User

1. Tap +.

Figure 3-6 User information



3. Tap 🖺 .

Related Operations

• Edit user information:

Tap a user, modify the information, and then tap 🛅.

- Delete the user:
 - ◇ Tap a user, and then tap **Delete**.
 - \diamond Tap \checkmark , select a user, and then tap 1.

You can select multiple contacts to delete at the same time.

3.3.3 Calling User

- Make sure that resident-to-resident call function has been enabled.
- Call function is used by VTH to call VTH, VTO, VTS and the platform.
- If both VTHs have a camera, bilateral video call can be provided.

3.3.3.1 By Room Number

On the **Dial Pad** screen, dial and call the user.

Procedure

Step 1 Select Call >



Enter the room number (VTH room number).

• If VTO works as SIP server, dial room number directly.

• If the platform works as SIP server:

- Call a user in the same unit and the same building, dial room number directly.
- ◇ Call a user in other buildings or units and add the building number. For example, dial 1#1#101 to call Building 1 Unit 1 Room 101.

If main VTH (101#0) calls extension (101#1), please enter room no.: #1; if the extension calls main VTH, please enter room number.: #0.



If the VTH has a camera, there will be videos after answering the call.

Figure 3-8 Call not answered



Figure 3-9 Call answered

9902
00:09:56



3.3.3.2 From Contact

Procedure



3.3.4 Call from User

When receiving calls from other VTHs, the following interface will be displayed.

Figure 3-10 Call screen





- 🔁: Hang up.
- Wute the voice.

3.3.5 Call from VTO

Procedure

- <u>Step 1</u> Dial VTH room number (such as 9901) at VTO, to call VTH.
- <u>Step 2</u> On the VTH screen, tap **Answer**.

If the network connection is bad, the device will adjust the video stream according to the actual situation.

Figure 3-11 Call from VTO



Table 3-2 Call screen description

Кеу	Description
	Remotely unlock the door where the VTO is installed.
5	The system provides 2-channel unlock. If the icon is gray, it means that the unlock function of this channel is not available.
Ŷ	The microphone can be used. Tap the icon, and the microphone cannot be used.
	Tap to switch the IPC that is linked.
T	Select an IPC in Favorite to monitor.
	Take snapshot.
	This key will be gray if SD card is not inserted.The SD card is available on select models.

Кеу	Description
	Take recording. Complete recording when the call is completed or by tapping the stop icon.
	 This key is gray if SD card is not installed. Videos are stored in SD card of this VTH. If SD card is full, the earlier videos will be covered. The SD card is available on select models. The record will not be saved if it is less than 5 minutes.
-	Reduce volume.
+	Increase volume.
	Answer calls.
	Hang up.

3.3.6 Calling DMSS

Select **Call** > to make calls to DMSS.





Tap **Tap to Call** to call the DMSS app account that the VTH has bonded with.

Figure 3-13 Call DMSS



3.4 Information

You can view and manage different kinds of information.

- Information in Security Alarm and Publish Info is stored in the device, and the one in Guest Message and Video Pictures is stored in the SD card, which means you need an SD card for these two functions.
- Only certain models support SD card.
- If the storage in the Device or SD card is full, the oldest records will be overwritten. Back up the records as needed.

3.4.1 Security Alarm

When an alarm is triggered, there will be 15 seconds alarm sound, and the interface below will be displayed. The alarm information will be uploaded to the alarm record interface and management platform.

Select Info > $\cancel{10}$, and then you can view and manage all alarm records.

Figure 3-14 Security alarm

\leftarrow	All	Unread	
Panic Button	Wired Zone 1	00:06:40	
5 Smoke Alarm	Wired Zone 2	00:05:52	Ê
Perimeter	Wired Zone 7	00:05:15	2
J Gas	Wired Zone 6	00:04:54	
(i))) IR	Wired Zone 5	00:03:53	
别 Burglar	Wired Zone 4	00:03:40	
《 < 1/2	> »		

3.4.2 Publish Information

Select Info > (in the point of the point

Figure 3-15 Publish information

← AI	Unread		کل
• 🔫 6This is headline of the announce	ement	00:08:28	
• 🔫 5This is headline of the announce	ement	00:08:27	ê
• 🔫 4This is headline of the announce	ement	00:08:26	8
• 🔫 3This is headline of the announce	ement	00:08:25	
• 🔫 2This is headline of the announce	ement	00:08:24	C2
• 🔫 1This is headline of the announce	ement	00:08:23	
« < 1/2 > »			-

3.4.3 Visitor Message

Select Info > \square , and then you can view and manage all messages.

Figure 3-16 Visitor message (1)



Figure 3-17 Visitor message (2)



3.4.4 Video Pictures

Select Info > ; and then you can view and manage videos.

Figure 3-18 Records (1)



Figure 3-19 Records (2)



3.4.5 Auto Capture

Procedure

<u>Step 1</u>	Select Setting > 🔄
<u>Step 2</u>	Tap 🔍 to enable Auto Capture.

 \square

After it is enabled, pictures will be captured automatically when the VTO calls the VTH.

Select **Info** > **\square** to view the captures. Step 3

 \square

- An SD card is needed for this function.
- After Auto Capture is enabled, Auto Delete Snapshots after Call Answered will be displayed, which when turned on, snapshots will be deleted if the VTH answers the call.

3.5 Monitor

You can monitor VTO, fence station or IPC on the VTH.

Select Monitor >

3.5.1 Monitoring VTO

 \square

Step 1

When adding VTOs, make sure that the username and password of each device is consistent with the web login username and password. Otherwise, monitoring will not work properly.

Procedure



Figure 3-20 VTO list

Figure 3-21 Monitoring VTO



Table 3-3 Interface description

Icon	Description
6	Remotely unlock the door where the VTO is located.
	The system provides 2-channel unlock function. If the icon is gray, it means that unlock function of this channel is not available.
	 Take snapshot. An SD card is needed to use this function.
	• The SD card is available on select models.
	Tap to start recording, and it will stop when the call is completed or by tapping the stop icon.
	If the SD card is full, the oldest videos will be overwritten. \square
	 An SD card is needed to use this function. The SD card is available on select models. Only recordings more than 5 seconds can be saved.
*	The VTO has been added to Favorites .

lcon	Description
	If the VTH is connected to multiple VTOs/IPCs, tap and to switch device.
	If the VTH is connected to one VTO, the icon will not be displayed.
\leftarrow	Exit monitoring.
	Tap to speak to the other end device.
₽	Select an IPC, and when this VTO or fence station calls, you will see the monitoring image from this IPC.
82	Display the serial number of the VTO or fence station in QR code. Scan the QR code in the app to add it to the app, and then you can monitor the VTO from your smart phone.
	Apartment does not support this function.

3.5.2 Monitoring IPC

3.5.2.1 Adding IPC

Background Information

- IPCs added to the main VTO will be synchronized to the VTH. The synchronized IPCs cannot be deleted.
- Before adding an IPC, make sure that it is powered on, and connected to the same network as the VTH.

Procedure

		I- 1
Step 1	Select Monitor >	لال

-







Figure 3-23 Add IPC

\leftarrow	Add IPC		
Device Type			
Device Info		Not Set >	
Network Settings		Not Set >	☆
Favorites		☆	
			-
			-

<u>Step 3</u> Configure the parameters.

Table 3-4 Parameter description

Parameter	Description
Device Type	Select IPC or NVR.

Parameter		Description	
	Channel	 If IPC is connected, default setting is 1. If NVR is connected, set channel number of IPC on NVR. 	
	Device Name	Name of the IPC/NVR.	
Device Info	Stream Type	 Main stream: High definition that needs large amount of bandwidth. Applicable to local storage. Extra stream: Relatively smooth image that needs small amount of bandwidth. Applicable to network with insufficient bandwidth. 	
	Protocol	It includes local protocol and ONVIF protocol. Please select according to the protocol of the connected device.	
	Encryption	Enable it if the IPC to be added is encrypted.	
	IP Address	IP address of the IPC/NVR.	
Naturali Cattinana	Username	The login username of the webpage of the IPC/NVR.	
Network Settings	Password	The login password of the webpage of the IPC/NVR.	
	Port	554 by default.	
Favorites		Add the IPC to Favorites .	

Step 4 Tap

Related Operations



3.5.2.2 Modifying IPC

Procedure

Select Monitor > 📴 <u>Step 1</u>

- Tap of the IPC, and then tap at the upper-right corner. <u>Step 2</u>
- Modify IPC parameters. Step 3

For details, see Table 3-4.

Tap 🛅 <u>Step 4</u>

3.5.2.3 Deleting IPC

Delete the IPC that has been added. However, IPC synchronized from VTO or the platform cannot be deleted.

Procedure

Step 1 Select Monitor > St

tep 2	Delete the IPC.

- Tap of the IPC, tap at the upper-right corner, and then tap **Delete IPC**.
- Tap , select the IPC, and then tap .

You can select more than one IPC to delete at the same time.

Tap , and then tap to clear all IPCs.

All the IPCs will be deleted in this way. Be careful.

3.5.2.4 Monitoring

Monitor the IPC.

Procedure



Figure 3-24 Monitoring IPC



3.5.3 Favorites

Displays the VTO, fence station or IPC that have been added to favorites.

To view favorite list, please ensure that VTO, fence station or IPC have been added to favorites. Otherwise, the list is empty.

Procedure



The system displays monitoring interface. In case of multiple devices in Favorites tab,

/ V to switch and monitor them.

3.6 Setting

3.6.1 Call Settings

tap

Set VTO ring, VTH ring, alarm ring and other rings.

 \square

- There is an SD card on the VTH, and users can import ring tones to the SD card.
- Ring tones must be stored in the /Ring folder at the root directory of the SD card.
- The SD card is available on select models.
- Audio files must be .pcm, .mp3 or .wav files (audio files of other formats cannot be played if you change their extension names).
- Audio file size must be less than 100 KB.
- Ring tone format: .pcm, .mp3, .wav.
- You can only customize 10 ring tones. Other ring tones will not be displayed at the VTH.

3.6.1.1 VTH Ring

Set the ring for this VTH.

Procedure

Step 1 Select Setting > 5

Figure 3-26 Call setting (1)

\leftarrow	Call Settings		Ę
Mute Ring			Ť
VTH Incoming Call Config		>	149
VTO Incoming Call Config		>	Ð
Microphone Volume		— — • 10 +	(((·
Call Volume		— — — 7 +	
Call Forwarding Config		>	<i>(</i> ଚ)
< 1/2 >			-₩ ▼





<u>Step 2</u> Tap **VTH Incoming Call Config**, and then configure the parameters.

Figure 3-28 VTH ring setting

\leftarrow	VTH		E
Ring Time		15s >	
Ringtone		phone_ring1.pcm >	Ê
Volume		— — — 7 +	ð
			(((·
			@
			-

Table 3-5 VTH ring parameters description

Parameter	Description
Ring Time	Configure the ring time when another VTH calls this VTH. You can configure the time from 5 s to 120 s. It is 15 s by default.
Ringtone	Select the ringtone for the incoming call.
Volume	Tap + and – to adjust the volume.

3.6.1.2 VTO Ring

Set a ring for the connected VTO, and the device supports to set maximum 20 VTOs.

Procedure

Step 1 Select Setting > 5

<u>Step 2</u> Tap **VTO Incoming Call Config**, and then configure parameters.

Figure 3-29 VTO ring setting

\leftarrow	VTO		ر
Ring Time		15s >	
Time for Voice Message		90s >	Ŕ
Call Time		120s >	Ð
Ringtone		>	(((.
			~
			ලි

Table 3-6 VTO ring parameters description

Parameter	Description	
Ring Time	Configure the ring time when a VTO calls this VTH. You can configure the time from 15 s to 120 s.	
Time for Voice Message	Configure the time for voice message. You can configure the time from 0 s to 90 s.	
Call Time	 Configure the call time for the incoming call. You can configure the time from 5 s to 300 s. 	
	If the value is set to less than 5, the message leaving is disabled. If the value is set to 0, you cannot leave messages.	
Ringtone	Select the ringtone and adjust the volume for the VTOs.	

3.6.1.3 Forward Setting

Forward incoming calls.

Parameters at this interface are set on main VTH only, and extension VTH synchronizes with the main VTH.

Procedure

Step 1 Select Setting > 5

Step 2 Tap Call Forwarding Config.

Figure	3-30	Call	forwarding
iguic	5 50	Cun	101 wur un un ig

\leftarrow	Call Forwarding Config	E
Always Forward		
Forward to	>	Ê
Forward when Busy		ð
Forward to	>	(((·
Forward when Not Answered		
Forward to	>	~
		@

<u>Step 3</u> Enter the VTH number in the corresponding forward mode, and then tap to enable the forward function.

 \square

- If you enable 3 functions at the same time, the forward priority is **Always Forward** > **Forward when Busy** > **Forward when Not Answered**.
- If the call is hang up, the call will be forwarded to the number that configured in **Forward when Busy**.

Parameter	Description		
Always Forward	All incoming calls will be forwarded to the preset number immediately.		
Forward when Busy	When the user is busy, incoming call from the third party will be forwarded to the preset number.		
Forward when Not Answered	If no one answers after VTH ring time, the incoming call will be forwarded to the preset number.		
	Set VTH ring time at Setting > Source > VTH Incoming Call Config on the screen.		

\square

- To forward to a user of another building or unit, the forward number is Building + Unit + VTH room number. For example, input 1#1#101 for 101 of Unit 1, Building 1.
- To forward to a user of the same unit, the forward number is VTH room number.
- To forward to the app, the forward number should be the group number of the current VTH.
- To forward to the platform, the forward number is 888888 by default.

3.6.1.4 Other Ring Settings

Set MIC volume, talk volume and ring mute function.

 \square

VTO Ring and **VTH Ring** of extension VTH are synchronized with main VTH, and cannot be set.

Procedure

Step 1 Select Setting > 5



\leftarrow	Call Settings	E
Mute Ring		
VTH Incoming Call Config	>	Ţţ <u>ŷ</u> ,
VTO Incoming Call Config	>	ð
Microphone Volume	— — ● 10 +	((i·
Call Volume	— — — 7 +	
Call Forwarding Config	>	~
< 1/2 >		ලි •

Figure 3-32 Call setting (2)

\leftarrow	Call Settings	E
Call between Rooms		Ĩ
Duration of Call between Rooms	10min >	ΤΫ́
Auto Capture		ð
		(((:
		0
		-

<u>Step 2</u> Configure the parameters.

Parameter	Description		
Mute Ring	Tap 💭 to enable Mute Ring .		
Microphone Volume	Tap + and – to adjust the microphone volume.		
Call Volume	Tap + and – to adjust the call volume.		
Call between Rooms	Tap 🔘 to enable this function.		
Duration of Call between Rooms	Configure the duration of call between rooms. You can configure the time from 5 min to 60 min.		
Auto Capture	Tap to enable Auto capture . After enabled, one picture will be captured automatically when the VTO calls the VTH. Tap Info > to view them		
	 An SD card is needed for this function. After enabling auto capture, Auto Delete Snapshots after Call Answered will be displayed, which when turned on, snapshots will be deleted if the VTH answers the call. 		

3.6.2 Alarm Setting

Set wired zone, call linkage and alarm volume

 \square

Zones can be set under disarm mode.

3.6.2.1 Wired Zone

Set zone type, alarm status and delay time. You can set up to 8 zones.

Procedure



Step 2 Tap Wired Zone.

\leftarrow			Wired Zone		t+
(((f	Wired Zone1	IR	Instant Alarm	NO	
(((B))	Wired Zone2	IR	Instant Alarm	NO	Ð
(i))	Wired Zone3	IR	Instant Alarm	NO	(((·
(i))	Wired Zone4	IR	Instant Alarm	NO	
					@
<	1/2 >				-

Figure 3-33 Wired zone

<u>Step 3</u> Tap the wired zone name to configure the zone.

Figure 3-34 Zone settings



Table 3-9 Description of wired zone parameters

Parameter	Description		
Zone No.	The number cannot be modified.		
Zone Type	Select the corresponding type according to the detector type, including IR, gas, smoke detector, emergency button, door detector, burglar, perimeter and doorbell. Different types have different icons displayed.		
NO/NC	Select NO (normally open) or NC (normally closed) according to the detector type. It must be the same as the detector type.		
Alarm Status	 Instant Alarm : When armed, if an alarm is triggered, the device produces a siren at once and enters the alarm status. Delay Alarm : When armed, if an alarm is triggered, the device enters the alarm status after a specified time, during which you can disarm and cancel the alarm. Bypass : Alarms will not be triggered in the area. After the area is disarmed, it will be restored to its normal working status. Remove : The area is invalid during arming and disarming. 24 Hour : Alarms will be triggered all the time in the area, regardless of whether it is armed or disarmed. 		

Parameter	Description		
Entry Delay Time	Configure the time.		
	After configuring the Delay Alarm status for the area, if you enter the area from an unarmed area within the delay time, a linkage alarm will not be triggered. If the delay time comes to an end and the area is not disarmed, a linkage alarm will be triggered.		
	The configured time is only effective in areas with Delay Alarm .		
	Configure the time.		
	After configuring the Delay Alarm status for the area, if the delay time comes to an end, the area will enter the arming status.		
Exit Delay Time			
	 The configured time is only effective in areas with Delay Alarm. If multiple areas have an exit delay time configured, a prompt will appear stating the maximum delay time. 		

3.6.2.2 Wireless Zone

Add, delete and set wireless zones.

\wedge

- For devices with the wireless function, the **Wireless Zone** tab would appear after you enable **Wireless Alarm** in **General Setting** > **Other**.
- The actual screen of the **Wireless Zone** might differ depending on the model you use. The image is for reference only.

Procedure

Step 1 Select Setting >

Step 2 Tap Wireless Zone.

Figure 3-35 Wireless zone

\leftarrow			Wireless Zone	41 1
Ō	Wireless Zone 1	IR Curtain	Instant Alarm Online	
Ĩ	Wireless Zone 2		Add	ð
Ő	Wireless Zone 3		Add	((r·
Ĩ	Wireless Zone 4		Add	
<	1/2			ලි •

Step 3 Tap Add.

<u>Step 4</u> Tap the wireless code button on the wireless device. See wireless device user's manual for details.

After coding is successful, the area information will be displayed.

<u>Step 5</u> Tap the wireless zone name to configure the zone.

3.6.2.3 Other Alarm Settings

Set call linkage, local linkage, the ringtone and the volume.

Procedure



Figure 3-36 Alarm setting

\leftarrow	Alarm	4
Wired Zone	>	
Wireless Zone	>	
Call Linkage		ð
Local Linkage		((r·
Duration	60s >	
Ringtone	alarm1.pcm >	ලි
Volume	— — — 7+	₩ •

<u>Step 2</u> Configure the parameters.

Table 3-10 Description of other alarm settings

Parameter	Description	
Call Linkage	If enabled, there will be alarm output when you call.	
Local Linkage	If enabled, there will be alarm output of the local alarm device that links with the VTH.	
Duration	Configure the alarm duration from 5 to 120 seconds.	
Ringtone	Select the ringtone	
Volume	Tap + and – to adjust the call volume.	

3.6.3 Card Management

Issue and manage card information.

 \square

This function is only available when you select **Villa** as the device scene during the initialization.

Procedure

- Step 1Click Issue Card.Step 2Swipe the card on the corresponding VTO.Step 3The card information will be added to the VTH. Select from Lock 1 and Lock 2 to assign unlock permissions.
- Step 4 Click **Confirm**.

 \square

Tap **Delete** to delete the card information.

3.6.4 WLAN

- The WLAN function is only available on select models.
- Use a router with secured encryption protocols.
- The wired network IP and the WLAN IP cannot be set in the same segment.

WLAN

- 1. Select **Setting** > \bigcirc , and then tap **WLAN**.
- 2. Tap , select a Wi-Fi, and then enter the password to connect to the network.

Figure 3-37 Wi-Fi

\leftarrow	WLAN	Wireless Settings		€ †
WLAN				
Network				Ŕ
			0 Ś	ð
30401-0021			0 Ś	
0000.000			- - -	(î:
10,7000,700			- - -	
				ଚ୍ଚ
< 1/5 >				-

Wireless IP

- 1. Select Setting > 🛜
- 2. Tap Wireless Settings.
- 3. Enter the IP address, subnet mask and the gateway, and then tap **OK**.

 \square

You can also tap **Wireless Settings**, and turn on **DHCP** to obtain the information automatically.
3.6.5 Mode Setting

Set the area status under different modes.

Ŵ

Area mode can only be set when the system is disarmed.

Procedure

- Step 1 Select Setting >
- <u>Step 2</u> Select any or the 4 arming modes.
 - Home: Arm the system when you are inside the area of the alarm system.
 - Away: Arm the system when you leave the area of the alarm system.
 - **Sleep**: Arm the system when you are in the sleep time.
 - **Custom**: Arm the system based on your customized needs.

<u>Step 3</u> Turn on or turn off the area you selected to enable or disable the arm mode.

 \square

- Multiple areas can be added into one arm mode at the same time.
- One area can be added into different modes.

Figure 3-38 Mode setting area

\leftarrow	Home	Away	Sleep	Custom	£‡
苗 Zone 1					Ê
Zone 2					
Zone 3					Ð
Zone 4					(((·
Zone 5					-
Zone 6					ලි
< 1/3 >					 •

Step 4 (Optional) Tap to page down the screen to **Wireless Zone**. Turn on the area to add it to the arm mode, or turn off the area to remove it from the arm mode.

- For devices with the wireless function, the wireless zone can be configured after you enable **Wireless Alarm** in **General Setting** > **Other**.
- Multiple areas can be added into one arm mode at the same time.
 - One area can be added into different modes.

Figure 3-39 Wireless area



3.6.6 General Setting

Set VTH time, display, password and others.

3.6.6.1 Time Setting and DND

Set VTH system time, and DND.

 \square

Parameters at this screen are set on main VTH only, and extension VTH synchronizes with main VTH.

Procedure

Step 1 Tap Setting.

Step 2 Select 🙆 > Time.

Figure 3-40 Time setting

\leftarrow	Time Display Password Other	€‡
Date Format	DD-MM-YYYY >	
Time	01-01-1970 00:13:54	Ŕ
Time Zone	UTC+04:30	ð
DST	DST Disable	(((·
NTP	>	
DND	>	6

<u>Step 3</u> Configure the time parameters.

- Select the date format and the time zone.
- Tap **DST**.
 - **DST** is disabled by default.
 - If **DST** is enabled, configure the daylight savings time.
- Tap **NTP**.
 - If enabled, configure the address, port of the NTP server and the interval. The VTH will synchronize time with the NTP server.
 - If you turn off **NTP**, configure the time and time zone manually.
- Tap **DND**.

If enabled, configure the start and end time, and then select the days that you want to repeat the DND mode. You will not receive any call or message during this period.

 \square

You can directly enable **DND** by tapping ⁴ on the home screen. Tap it again to turn it off.

3.6.6.2 Display Setting

Set VTH screen brightness, screensaver time and turn off the screen to clean it.

 \square

The snapshots are for reference only, and might differ from the actual screen.

Procedure

Step 1 Tap Setting.

Step 2 Select 🙆 > **Display**.

Figure 3-41 Display

Cher Time Display Password Other		5±
Brightness	- 8 +	
Screen Off Time(s)	<u> </u>	È
Tap to Clean		ð
Button Light		((r·
		Ø

<u>Step 3</u> Set parameters.

- Brightness: The brightness of the VTH screen. Adjust the brightness by taping + or -.
- Screen Off Time(s): The screen will automatically turn off after a define time of inactivity. Adjust the time by taping + or –.
- **Tap to Clean**: Tap it, and then the screen will be turned off and locked for 30 seconds. During the period, clean the screen.
- **Button Light** : Enable it, and then the button on the device will light.

This function is only available for select model.

3.6.6.3 User Password Setting

The user password is used to enter the arm and disarm mode and unlock doors. You can change the password.

Procedure

Step 1 Tap Setting.

<u>Step 2</u> Select Select > Password.

Figure 3-42 Password

\leftarrow	Time	Display	Password	Other		1t
Change User Pas	sword				>	Ĩ
Change Network	Password				>	[<u></u>
						ð
						Ø

<u>Step 3</u> Tap **Change User Password**, and then enter the old password, new password and then confirm password.

Figure 3-43 User password

\leftarrow	Change User Password		£‡
Old Password	Please enter	¥	
New Password	Please enter	ж	Ŕ
Confirm Password	Please enter	ж	Ð
			(((·
			Ø
			•

<u>Step 4</u> Tap B to save the configuration.

3.6.6.4 Network Password Setting

The network password is used when adding the VTH to the DMSS app.

3.6.6.4.1 Creating Network Password

Procedure

- <u>Step 1</u> On the home screen, select **Setting** > \bigcirc > **Password**.
- Step 2 Tap Change Network Password.
- <u>Step 3</u> Enable the cloud function.
- <u>Step 4</u> Enter the password you planned and then confirm it.
 - \square
 - The username is **user** by default.
 - The password must consist of 8 to 16 characters.

Figure 3-44 Network password

\leftarrow	Change Network Password	ي ا
Cloud		
Username	user	Lt9
New Password	Please enter	~ 🗇
Confirm Password	Please enter	¥ (ŕ
		Ø

Step 5 Tap

Results

The VTH would automatically generate a QR code that contains the **User** account. When you scan

the DMSS QR code by tapping on the home screen, the DMSS App would obtain the VTH information.

\square

When going to the QR Code screen for the first time, the **DMSS** QR code would not appear. Only after you set the network password, this module would be displayed.

Creation Constraints of the Cons

Figure 3-45 DMSS onscreen prompt

Figure 3-46 DMSS QR code

\leftarrow	DSS		DMSS
		DMSS	
	Please enter your username and password your device remotely, we need to collect inf device SN. All collected information will only want to provide access to the information ab	ormation such as the be used for performi	P address, device name, and ng remote access. If you do not

3.6.6.4.2 Changing Network Password

Change your current network password.

Procedure

- <u>Step 1</u> On the home screen, select **Setting** $> \bigcirc >$ **Password**.
- Step 2 Tap Change Network Password.
- <u>Step 3</u> Enter the old password, new password and then confirm it.

Figure 3-47 Network password

\leftarrow	Change Network Password		£‡
Cloud			
Username	user		Ц9
Old Password	Please enter	ж	Ð
New Password	Please enter	¥	(((.
Confirm Password	Please enter	¥	
Forgot Password			
			Ø

Step 4 Tap

3.6.6.4.3 Resetting Network Password

When you forget your network password, you can reset it to create a new one.

Procedure

<u>Step 1</u>	On the home screen, select Setting > 🙆 > Password .
<u>Step 2</u>	Tap Change Network Password.
Step 3	Tap Forgot Password , enter the password that you configure during the

tep 3Tap Forgot Password , enter the password that you configure during the initialization in
the Password Verification window, and then enter the new password and confirm it.

Step 4 Tap

3.6.6.5 Other Settings

Set monitor time, record time and touch sound.

 \square

Extension VTH can set touch sound, touch delay and 433, but other parameters synchronize with main VTH and cannot be set.

Procedure

Step 1 Tap Setting.

Step 2 Select 🙆 > Other.

Figure 3-48 Other settings

\leftarrow	Time Display Password Other		£‡
Monitoring Duration		300s >	Ĩ
Record Duration		300s >	Т. С.
Touch Sound			ð
Touch Delay			((r.
Wireless Alarm			
			Ø
			-

<u>Step 3</u> Configure the parameters.

Parameter	Description	Operation
Monitoring Duration	Maximum time to monitor VTO, IPC and fence station.	Configure the time. The monitoring duration can be configured from 15 s to 7200 s.
Record Duration	Maximum recording time of videos during call, talk, monitoring and speaking. The system stops recording at the end of recording time.	Configure the time. The Record duration can be configured from 15 s to 300 s.
Touch Sound	After enabling touch sound, there will be a ring when touching the screen.	
Touch Delay	After enabling touch delay, you need to press for longer time to call the management center.	Tap to enable the function. The
Wireless Alarm	After enabling Wireless Alarm function, the devices that supports wireless function would have a Wireless zone tab appeared in the alarm configuration.	icon becomes 🤍.

3.6.7 System Information

View the system version, select the language and view the SD card status.



View the version of system, security baseline and the firmware. Configure the parameters as needed.

\leftarrow	System Info		
Project Settings		>	
System Version	No. Notice of Control		
Security Baseline	100		
Touchscreen Version	100-04		
Language	English	>	-
SD Card	Rev (C) The	÷.	_
< 1/2 >			

Figure 3-49 System information (1)

Figure 3-50 System information (2)

\leftarrow	System Info	
MCU Version	Adda, and the second structure of	
Product Material	>	
Cloud Upgrade	>	
Restart System		
		-

Parameter	Description
Project Settings	Enter the password that you configure during the initialization. Configure the network parameters, SIP server parameters and other information.
	For details, see "3.7 Project Settings".
Language	Select the language of the device.
	View the SD card status, including the used capacity and the total capacity.
SD Card	You can eject the SD card or format the SD card.
	The SD card is available on select models.
Product Material	Click Product Material , and then scan the QR code to obtain the product material.
Cloud Upgrade	View the current device version and you can enable the cloud update function.
	For details, see "3.12 Cloud Update".
Restart System	Tap to restart the system.

Table 3-12 Description of system information parameters

3.7 Project Settings

3.7.1 Forget Password

If you forget the initial password when entering the project setting, reset password through **Forgot Password?** on the screen.

Procedure

- <u>Step 1</u> Select Setting > Project Settings.
- <u>Step 2</u> On the **Password Verification** window, tap **Forgot Password?**.
- <u>Step 3</u> Scan the QR code with any code-scanning app, bind your email box, and then send it by email to the specified email address on the screen to obtain a security code.
- Step 4 Tap Next.
- <u>Step 5</u> Enter the password and confirm it, and then enter the obtained security code.
- <u>Step 6</u> Tap **OK** to complete resetting the password.

3.7.2 Network Settings

Procedure

- <u>Step 1</u> On the main screen, select **Setting** > \square > **Project Settings**.
- <u>Step 2</u> Enter the password, and then tap **OK**.

Step 3 Tap

<u>Step 4</u> Enter the information, and then tap B; or turn on **DHCP** to obtain the information automatically.

\leftarrow	Network Settings	
DHCP After DHCP is enabled,	it automatically gets the local IP address, subnet mask, and gateway.	
Local IP	10.1.0.00	
Subnet Mask	208 . 200 . 201 . 4	
Gateway	10 - 10 - 10 - 1	
MAC	All and the line of the line o	
ТСР	37777	÷.
< 1/2 >		

Figure 3-51 Network settings (1)



\leftarrow	Network Settings	
Private Protocol		
Multicast/Broadcast Search		
		iii d
		€ sip
✓ 2/2 >		Ð

3.7.3 Configuring VTH

Procedure

- <u>Step 1</u> On the main screen, select **Setting** > **Project Settings**.
- <u>Step 2</u> Enter the password, and then tap **OK**.
- Step 3 Tap

Figure 3-53 VTH configuration (1)

\leftarrow	Local Info			
Room No.	9901#0			
Device Type		Set as Main VTH	>	
Version	$ _{\mathcal{T}} = _{\mathcal{T}} = _{\mathcal{T}} = _{\mathcal{T}} = _{\mathcal{T}} = _{\mathcal{T}} = _{\mathcal{T}} = $			
SSH			D	liiid
Security			O	SI₽
Emergency Maintenance		(~
< 1/2 >				£.*

Figure 3-54 VTH configuration (2)

\leftarrow	Local Info	
Password Protection		
LLDP		
		€ ^{SIP}
		0
		Ð

<u>Step 4</u> Configure VTH information.

Select the device type from Set as Main VTH and Set as Sub VTH.

• Set as Main VTH.

Enter the room number (such as 9901 or 101#0).

Room number must be the same with **Room No.**, which is configured when adding VTHs on the VTO webpage. Otherwise, it will fail to connect to the VTO. When there are extension VTHs, room numbers must end with #0. Otherwise, it will fail to connect to the VTO.

• Set as Sub VTH.

Enter the room number (such as 101#1), IP address, username and password of the main VTH.

Default username is admin, and the password is the one set during initialization.

- <u>Step 5</u> Turn on the following functions as needed.
 - **SSH** : The debugging terminal will connect to the VTH remotely through SSH protocol.
 - **Security Mode** : Log in to the VTO in a secured way.
 - **Emergency Maintenance** : The device information will be displayed when there are abnormalities.

 \square

We recommend you turn on the function for better after-sale service. If the function is not enabled manually, and there are problems with the key functions (like upgrade), the device will automatically enable it.

• Password Protection : Encrypt the password before sending out.

It is recommended to turn off SSH, and turn on security mode and password protection. Otherwise, the device might be exposed to security risks and data leakage.

• **LLDP** : Improves the efficiency of information exchange among network devices.

Step 6 Tap

3.7.4 Configuring VTO

Background Information

Add VTOs and fence stations to bind them with the VTH.

Procedure

- <u>Step 1</u> On the main screen, select **Setting** > \square > **Project Settings**.
- <u>Step 2</u> Enter the password, and then tap **OK**.

Step 3 Tap 📩

Figure 3-55 VTO configuration

\leftarrow	Device Setting		
Main VTO	Main VTO Name) >	
Sub VTO List		0/19	
Sub VTO1 0.0.0.0	01) >	
Sub VTO2 0.0.0.0	02) >	ΠQ
Sub VTO3	03) >	€sip
< 1/7	>		J.

<u>Step 4</u> Add a VTO or fence station.

- Add a main VTO.
 - 1. Tap next to the main VTO, and then enter the main VTO name, VTO IP address, username and password.
 - 2. Tap .

Username and **Password** must be consistent with the login username and password of the VTO webpage.

3. Tap 🖺

Figure 3-56 Main VTO configuration

Edit Device	
Enable Settings	
Device Name Main VTO	
Device No. Vto00	
Username admin	SIP
Password	
	Ð

- Add a sub VTO or fence station.
 - 1. Tap next to the sub VTO, and then enter the sub VTO or fence station name, IP address, username and password.

2.	Тар Ш					
	Тар	<	or	>	to turn page and add more sub VTOs or fence stations.	
		巴				

3. Tap 🗖.

Figure 3-57 Sub VTO configuration

\leftarrow	Edit Device		
Enable Settings			:=:
Device Name	Sub VTO1		
Device No.	Vto01		
IP			
Username	admin		€SIP
Password	****	ж	
			÷

3.7.5 Searching Devices

Procedure

- <u>Step 1</u> On the main screen, select **Setting** > **Project Settings**.
- <u>Step 2</u> Enter the password, and then tap **OK**.
- Step 3 Tap 🛅

The device searches for the devices in the same network segment.

Figure 3-58 Search devices

\leftarrow	Search	C		
			Add	
	01000	1000	Add	
	CO-DBCN		Add	
	10100	0.00000	Add >	
				SIP
				\mathbf{Q}
	The search results migh	nt be cleared if you lea		

3.7.6 Configuring SIP Server

Procedure

<u>Step 1</u>	On the main screen, select Setting > Project Settings.
<u>Step 2</u>	Enter the password, and then tap OK .
Step 3	Тар

Figure	3-59	SIP	server	(1)

\leftarrow	SIP Server		
Enable Settings			:
Server IP	10.4.40.40		
Network Port	5060		ŀ
Username	9907#0 Custom Nan	ne	iiia
Registration Password	•••••	¥	SIP
Domain	VDP		
< 1/2 >			Ċ.

Figure 3-60 SIP server (2)

\leftarrow	SIP Server		
Username			
Login Password		Ж	
			SIP
			÷
< 2/2 >			

<u>Step 4</u> Configure the parameters.

Table 3-13 Description of SIP s	server parameters
---------------------------------	-------------------

Parameter	Description		
Server IP	 When a platform works as the SIP server, it is the IP address of the platform. When a VTO works as the SIP server, it is the IP address of the VTO. 		
Network Port	5080 when a platform works as the SIP server.5060 when a VTO works as the SIP server.		
Username	Keep it default, or turn on Custom Name , and then you can edit the username.		
Registration Password	Keep it default.		
Domain	When a VTO works as the SIP server, it can be VDP or null. When it docks to a third-party server, it must be the same as that of the server.		
Username	SID convertiggin user name and nassword		
Login Password	SIP server login user name and password.		

Step 5 Tap Onext to Enable Settings to enable the SIP server function.

Step 6 Tap 🛅.

3.7.7 Factory Settings or Reset

All parameters of the device will be restored to default values.

- IP address and data in the SD card will not be restored.
- The SD card is available on select models.

Procedure

- <u>Step 1</u> On the main screen, select **Setting** > \square > **Project Settings**.
- <u>Step 2</u> Enter the password, and then tap **OK**.
- Step 3 Tap 💽.

Table 3-14 Description of reset parameters

Parameter	Description
Reset Password	Tap 🔵 to enable this function. If turned off, you cannot reset the password.
Bound Email	Enter the email address that you want to bind. The email address will obtain the security code during password resetting. For details, see "3.7.1 Forget Password".
Factory Default	Restore the device to its factory settings. All the information on the device will be cleared and the device will restart.

Figure 3-61 Factory settings and reset

\leftarrow	Factory Settings or Reset			
Reset Password				
Bound Email		u***@ry	>	
Factory Default			>	
				iiia
				€ sip
				0

3.8 QR Code

Background Information

Download the app on your smart phone by scanning the QR code, register the VTH on the app, and then you can unlock the door, or talk to the VTH, and more directly on your smart phone.

Procedure

Step 1 Tap



If you go to the screen for the first time, there is an onscreen prompt that reminds you to create a DMSS app account before using the DMSS function. For details, see "3.6.6.4.1 Creating Network Password".



Figure 3-62 Onscreen prompt

<u>Step 2</u> After you create a user account, tap **DSS** or **DMSS** tab to view the QR code.

- Scan the **DMSS** QR code on your DMSS app to automatically obtain the VTH information, and gain remote access to the device.
- Scan the **App Download QR Code** on the **DSS** tab to download the DSS Agile VDP on your smart phone.
- Scan the **Register** QR code on the **DSS** tab to register the VTH to the DSS Agile VDP.

For detailed operation of this step, see "4.2 Registration and Login".

Figure 3-63 DMSS QR code



Figure 3-64 DSS QR code



3.9 Arm and Disarm Function

3.9.1 Arm

After arm, the device produces linkage alarm and uploads alarm info.

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- Please ensure that the area has been added into arm mode. Otherwise, there will be no alarm triggering after arm.
- Please ensure that it is in disarmed status. Otherwise, arm will fail.

Procedure

Step 1 Tap \bigotimes on the home screen to select an arm mode.

- Home: An arming mode that allows you to arm the system when inside the area of the alarm system.
- Away: Arm the system when you leave the area of the alarm system.
- **Sleep**: An alarming mode that allows you to arm the system in the sleep time.
- **Custom**: Arm the system based on your customized needs.



Figure 3-65 Arm mode

<u>Step 2</u> Enter arm and disarm password; tap **OK**.

 \square

- If you want to modify the password, please refer to "3.6.6.3 User Password Setting" for details.
- If delay alarm is set in the area, the device will beep continuously at the end of exit delay time.

3.9.2 Disarm

Procedure

<u>Step 1</u> Tap the arm mode icon on the main screen.

<u>Step 2</u> Enter disarm password, and then tap **OK**.

- Default password of arm and disarm is 123456. Please refer to "3.6.6.3 User Password Setting" for details.
- If you are forced to enter disarm password in case of emergencies, enter anti-hijacking password, which is the reversed arm password. The system will disarm, and at the same time, upload alarm info to management center/platform.

3.10 Property Management

- If you enable **Property Management** when editing the home screen, tap on the home screen to call management center.
- If you do not enable it, tap 😬 on the home screen, and then tap 🎽 to call management center.



Please ensure that management center has been connected. Otherwise, it will fail to call.

3.11 Unlock Function

When the VTH is being called, during monitoring, talking and speaking, tap unlock button, and the VTO will be unlocked remotely.

3.12 Cloud Update

Procedure

- Step 1 Select Setting >
- Step 2 Tap Cloud Upgrade.

The current device version is displayed.

<u>Step 3</u> Tap **O** to enable cloud update function.

The device checks for update. After update, the device automatically restarts.

Figure 3-66 Cloud update

\leftarrow	Cloud Update		
Device Version		V	
			-
	You are using the latest version.		

4 DSS Agile VDP

You can download DSS Agile VDP (hereinafter referred to as the "app") and link your VTH to the app to unlock the door, talk to connected VTO devices, call the management center, and view call records and messages.

 \square

Interfaces and operations might vary between iOS and Android OS. This section takes Android OS as an example.

4.1 Downloading the App

Prerequisites

Before you start, make sure the VTO, VTH, and DSS server are properly connected.

Procedure

- Step 1 On the VTH main screen, tap
- <u>Step 2</u> Scan the **Download App** QR code with your smart phone, and then download and install the app.

Figure 4-1 QR code (without DMSS QR code)



4.2 Registration and Login

Procedure

<u>Step 1</u>

Tap ව on your smartphone, read the **Software license agreement and Privacy policy** , and then tap **Agree** (only for first-time login).

Figure 4-2 Registration interface

DSS A	
Registration	Login
Please enter username	
Please enter password	
Confirm Password	
Registr	ration

Step 2 Tap (E), and then scan the **Register** code on the VTH. See Step 2 in "4.1 Downloading the App"

Figure 4-3 Confirm IP address and port number



- <u>Step 3</u> Verify the IP address and port number, and then tap **Confirm**.
- <u>Step 4</u> Enter the username and password, and then tap **Registration**. You can add 5 users to one VTH at most.

Figure 4-4 Login

DSS A VDF	
Registration	Login
test2	
Login	n

<u>Step 5</u> Tap the **Login**, enter the username and password you have set, and then tap **Login**.

4.3 Call Functions

You can receive the forwarded calls, remotely unlock the door, view live video of the VTO, and more.

 \square

To receive push notifications of call messages on the mobile phone, make sure that notifications of the app are enabled on your smart phone, and you are logged in to the app.

4.3.1 Forwarding Calls

Confirm your SIP ID, and then configure call forwarding on the VTH. If any device calls the VTH, you will receive the call on your smartphone.

Procedure

<u>Step 1</u> Log in to the app, and then tap **Setting**.

In the following example, the **SIP ID** is **1#1#8001#179**.

Figure 4-5 Settings

		Settings			
0	zxd01 Login Time : 2020-03-11 16:29:50 SIP ID : 1#1#8001#179				
After enabl alarm mes		to receive o	opening mes	sage and	
Event Subs	scription				
Stream En	cryption				
Gesture			Dis	abled >	
About				>	
Records	Usitor) Monitor	 Messages	Setting	

- <u>Step 2</u> On the VTH main screen, tap **Setting** > **Call Forwarding Config**.
- <u>Step 3</u> Enter the password you configured, and then tap **Forward**.

Select forwarding type as needed:

- Always Forward : All calls to this VTH will be forwarded.
- Forward when Busy : If the VTH is busy, the call will be forwarded.
- Forward when Not Answered : Any call that is not answered within the defined ring time will be forwarded. See "3.6.1.4 Other Ring Settings" for details.

Figure 4-6 Call forwarding

\leftarrow	Call Forwarding Config	æ
Always Forward		
Forward to	>	Ĩ
Forward when Busy		ð
Forward to	>	\otimes
Forward when Not Answered		ବ୍ର
Forward to	>	=

<u>Step 4</u> Enter the SIP ID in the input box.

- Forward calls to a specific user: Enter the SIP ID of the user. For example, enter 1#1#8001#179 from Figure 4-5, and then calls will be forwarded to this user.
- Forward calls to every user: Change the last three numbers of the SIP ID to 100 (1#1#8001#100), and then all users linked to this VTH will receive the call on their smart phones at the same time.
- <u>Step 5</u> Tap **()** to enable the forwarding type you selected.

4.3.2 Calling Operations

After call forwarding is configured, you can receive and answer phone calls from the VTO or the management center.

For example, when a VTO is calling, you can answer the call, view live video, and remotely unlock the door if the VTO is connected to a lock.

Figure 4-7 A call from a VTO



4.4 Monitoring

Background Information

After a VTO is added, you can view its live video, have two-way audio talk, call management center, and remotely unlock the door.

Procedure

<u>Step 1</u> Log in to the app, and then tap **Monitor**.

Figure 4-8 Monitor screen



<u>Step 2</u> Tap , and then select the VTO from the channel list as needed.

Figure 4-9 Live video



- 📃: Switch to another VTO.
- Unlock the door remotely.
- 🜭: Have a two-way audio talk with the VTO.
- 🔡: Call management center.

4.5 Call Records

View the incoming and outgoing call records.

Log in to the APP, and then tap **Records**.

Missed All Edit 888888 09:01:39 Not Opened 888888 16:45:53 Not Opened 888888 16:46:12 Not Opened 8888881000 16:56:54 Not Opened **VT011** 16:57:06 Not Opened 888888 2020-02-18 19:11:30 Not Opened 888888 2020-02-18 13:49:28 Not Opened 888888 2020-02-18 11:35:05 Not Opened 03 \odot \odot 3 Records Visitor Monitor Messages Setting

Figure 4-10 Call records

- Red phone icon: The call is missed or not answered.
- Green phone icon: The call is answered.
- Not Opened/Opened : Indicates whether the door is unlocked.
- Edit : Delete the record one by one, or tap Edit > Empty to delete all records.

4.6 Message

You can view the unlocking records and alarm messages, and search for history messages.

- You need to enable **Event Subscription** in **Setting** of the App first.
- To receive messages on your smart phone, make sure that notifications of the app are enabled on your smart phone and the you are logged in to the app.

Viewing Messages

• Log in to the app, tap **Messages** > **Access**, and then you can view unlocking records, such as unlocking method, which user unlocked the door, and when the door is unlocked.
Figure 4-11 Access messages

		Acc	cess A	larm	History
	2020-02-19 11:15:32 111010 open - test Valid Swipe				
		-02-19 11:1 156 open		Valid Swipe	
		-02-19 11:1 9999 open		t Invalid Swi	pe
		-02-18 18:4 156 open		Valid Swipe	
		-02-18 18:4 156 open		Valid Swipe	
		-02-18 18:4 I56 open		Invalid Swipe	e
		-02-18 18:0 9999 open		t Invalid Swi	pe
		-01-20 19:4 pen		ре	
		-01-20 19:1 en Va			
		-01-20 14:4 open		lid Swipe	
[י	[]]	0	•	ŝ
Rec	cords	Visitor	Monitor	Messages	Setting

• Log in to the App, tap **Messages** > **Alarm**, and then you can view alarm messages.

Figure 4-12 Alarm messages

		Access	Alarm	History
Ä	2019-01-18	23:30:03 External Alar	m	
<u></u>	2019-01-18	23:29:59 External Alar	m	
Ä	2019-01-18	23:29:55 External Alar	m	
à	2019-01-18	23:29:43 External Alar	m	
Ä	2019-01-18	23:29:32 External Alar	m	
Ä	2019-01-18	23:29:19 External Alar	m	
Ä	2019-01-18	23:28:22 External Alar	m	
Ä	2019-01-18	23:28:09 External Alar	m	
Ä	2019-01-18	23:27:35 External Alar	m	
à	2019-01-18	23:27:24 External Alar	m	
Ä	2019-01-18	23:27:16 External Alar	m	
Cal	L Records	ee Message) Monitor	දිදුයි Setting

Searching for History Messages

Tap **History**, set the start and end time, and then tap **SEARCH**. You search for messages within up to 7 days.

Figure 4-13 History messages



4.7 Visitor

You can create a pass for a visitor to have access permission. The pass is invalid after it is manually invalidated, the visiting period expires, or the visit is ended. You can also view visit records.

4.7.1 Creating Pass

Procedure

<u>Step 1</u> Log in to the APP, and then tap **Visitor**.

Figure 4-14 Visitor information

	Pass	Record	
Resident			
3#1#2002#1	01		
Visitor	Mike		
Vehicle	12345678		
Phone No.	88888888		
Visit Time	2020-03-11	15:14:43	
	2020-03-12	15:14:43	
Credential	ID Card		Select >
Credential No.	1000000-00		
Remark	VIF		
	Generat	e Pass	
	<mark>⊡}</mark> © sitor Mon		دې Setting

<u>Step 2</u> Enter the information of the visitor, and then tap **Generate Pass**.

Each visitor can only register one plate number.

 \square

Figure 4-15 Visitor pass

	S
Visi	itor Pass
the actual	an the QR code on interface
Mike	Invalidate
TECHNOLOGI ID: TECHNOLOGI	
Validity: 2020-02-18	14:40:37 - 2020-02-19 14:40:37
Son	d to Visitor

<u>Step 3</u> Tap **Send to Visitor** to send the QR code to the visitor.

<u>O-vr</u>

Tap **Save** to save the QR code to your smartphone.

<u>Step 4</u> (Optional) Tap **Invalidate** to cancel the appointment, and then the QR code will not have access permissions.



Tap Invite Again to generate a new pass for the visitor.

Figure 4-16 Invalidate the pass



4.7.2 Visit Records

You can view visitor status such as having an appointment, on a visit, ending the visit, and cancelling the appointment. You can also view and modify the pass.

- View visitor status: Log in to the APP, tap **Visitor** > **Record**.
- View and modify a pass: Tap a visitor in the list, and then you can view detailed information of the pass, invalidate the appointment, invite the visitor again, and more. For details, see "4.7.1 Creating Pass".

Figure 4-17 Visitor records

Pas	ss Record
Mike 2020-02-18 16:01:57	Cancel Appointment >
Mike 2020-02-18 15:59:01	Cancel Appointment >
TOM 2020-02-18 15:58:45	Appointment >
TOM 2020-02-18 15:46:54	Cancel Appointment >
TOM 2020-02-18 15:46:43	Cancel Appointment >
TOM 2020-02-18 15:46:11	Cancel Appointment >
Mike 2020-02-18 15:36:32	Appointment $>$
Mike 2020-02-18 15:34:37	Cancel Appointment \geq
w1 2020-01-20 09:19:44	Cancel Appointment \geq
rft2 2020-01-20 09:01:24	End Visit \geq
rft 2020-01-20 08:58:53	End Visit $>$
Records Visitor	<u>ම</u> ලා දියි Monitor Messages Setting

4.8 Setting

You can view SIP ID, and enable message subscription, stream encryption, message sound, login by pattern, and more.

Log in to the app, and then tap **Setting**.

Figure 4-18 Setting

		Settings		
0		ne : 2020-03 #1#8001#1	-11 16:29:50 79	
After enab alarm mes		to receive o	opening mes	sage and
Event Subs	scription			
Stream En	cryption			
Gesture			Dis	abled >
About				>
C Records	⊡ Visitor) Monitor	 Messages	Setting

- **Event Subscription** : Enable it, and then you can receive unlocking messages and alarm messages. See "4.6 Message" for details.
- **Stream Encryption** : Enable it to enhance security, but stream acquisition speed might slow down.
- **Gesture** : Draw a pattern, and then you can log in by that pattern.
- **About**: View app version, software license and privacy policy, help document, or log out of the current account.

5 DMSS App

You can download DMSS App and link your VTH to the app to unlock the door, talk to connected VTO devices, call the management center, and view call records and messages.

5.1 Downloading DMSS

- iOS users: Search for DMSS in the App store, and then download the App.
- Android users: Search for DMSS in Google Play to download the App.

5.2 Registration and Login

Procedure

<u>Step 1</u> On your phone, tap \bigcirc to open the app.

Welcome	Sign up
Enter email.	
Enter password.	Þ
Log	
Forget pa	ssword?

Figure 5-1 Login

- <u>Step 2</u> Create an account.
 - 1. On the Login screen, tap Sign up.

Figure 5-2 Sign up

<	
Sign up	
Enter email	
Set password	Þ
Combination of 8–32 letters and characters, case sensitive.	
I have read and agree to	

2. Enter your email address and password.

Tap $\frac{1}{2}$ to show the password, and the icon will become $\frac{1}{2}$.

- 3. Read the User Agreement and Privacy Policy, and then select the I have read and agree to checkbox.
- 4. Tap **Get verification code**, check your email box for the verification code, and then enter the code.



 \square

Use the verification code within 60 seconds of receiving it. Otherwise, the verification code will become invalid.

Figure 5-3 Enter verification code



5. Tap **OK**.

<u>Step 3</u> On the **Login** screen, enter your email and password, and then tap **Log in**.

You can modify the password on the **Me** > **Account Management** > **Modify Password**.

5.3 Adding VTH to DMSS

information of the VTH.

Procedure

Step 1 Power on the VTH.
Step 2 On the Home screen of the app, tap , and then select SN/Scan.
Scan the QR code at the rear panel of the VTH to obtain the information of the VTH or scan the DMSS QR code by tapping on the VTH home screen to obtain the device

When going to the QR Code screen for the first time, the **DMSS** OR code would not appear. Only after you set the network password, this module would be displayed. For the detailed operation, see "3.6.6.4 Network Password Setting".



Figure 5-4 Add VTH

Figure 5-5 DMSS QR code



<u>Step 4</u> On the **Add Device** screen, enter the device name of the VTH, username and password of the VTH, and then tap **Save**.

- **Device Name** : customized.
- Username : Enter user.
- **Password** : Enter the network password of the VTH you configured in "3.6.6.4.1 Creating Network Password".

<	Add Device	Save
Add Mode		P2P
SN:		7288
Device Name:		VTH
Username:		user
Password:		۲

Figure 5-6 Add device

<u>Step 5</u> Configure the time zone, and then tap **Done**.

You have completed the device adding steps.

5.4 Configuring Arm and Disarm

Make sure that the VTH and VTO are properly connected.

Procedure

<u>Step 1</u> On the **Home** screen, tap **Details** to go to the function screen.

<u>Step 2</u> Tap **Disarm** or **Arm** to disarm or arm the VTH.

Figure 5-7 Disarm VTO



- <u>Step 3</u> Select from the arm/disarm mode list, and the arm/disarm configuration would take effect on the VTH after you completed the setting.
 - **Sleep**: An alarming mode that allows you to arm the system in the sleep time.
 - Home Mode: An arming mode that allows you to arm the system when inside the area of the alarm system.
 - Always Mode: Arm the system when you leave the area of the alarm system.
 - **Custom Arming**: Arm the system based on your customized needs.
 - **Disarm**: Turn the security system off. The opposite of arming.

Figure 5-8 Arm and disarm mode



5.5 DMSS Calling VTH

Make sure that the VTH and VTO are properly connected.

Procedure

- <u>Step 1</u> On the **Home** screen, tap **...**, select the VTH you have just added, and then tap **Device Details** to go to the function screen.
- <u>Step 2</u> Tap **Call Video Intercom** to call the VTH you added to the DMSS.

Figure 5-9 Call VTH



5.6 DMSS Calling VTO

Procedure

<u>Step 1</u> On the **Home** screen, tap **...**, select the VTH you have just added, and then tap **Device Details** to go to the function screen.

<u>Step 2</u>

to call the VTO you added to the DMSS.

Тар

If there are more than one VTO, you can call the main VTO and sub VTO respectively.

Figure 5-10 Call VTO



5.7 DMSS Unlocking Door

Procedure

<u>Step 1</u> On the **Home** screen, tap **Device**, select the VTH you have just added, and then tap **Device Details** to go to the function screen.

<u>Step 2</u> Tap to unlock the door.

Figure 5-11 Unlock the door

<	VTH	0
	•	Call Video I
		Disarm
Main VTO		
Sub VTO1		

5.8 DMSS Monitoring VTO

Make sure that the VTH and VTO are properly connected.

Procedure

- <u>Step 1</u> On the **Home** screen, tap **Device**, select the VTH you have just added, and then tap **Device Details** to go to the function screen.
- <u>Step 2</u> Tap ^(O) to view the monitoring video of the VTO.

Figure 5-12 View monitoring video

<	VTH	0
_	•	Call Video I
_		Disarm
Main VTO		
Sub VTO1		• • •



Figure 5-13 Viewing monitoring video

Table 5-1 Video call function icons

Function	Description
$ / \triangleright$	Play/Pause.
⊴×/ ⊴୬	Mute/Unmute.
	Change the image orientation to landscape.
☆	Favorites. Select a video, tap , and then select an existing file that you want to save the video to.
HD /SD	Video stream. Tap the icon to switch between SD and HD video quality.
•	Video playback.

Function	Description
• .	Take snapshot.
° (Video recording.
2/0.	Answer/End the call.

5.9 Viewing Alarm Information

Procedure

<u>Step 1</u> On the **Message** screen, tap **Alarm Message** to view the alarm recorded reported from the VTOs and VTHs.

Figure 5-14 Viewing alarm records



5.10 Device Sharing

Once one user has added the VTH, the user can share the binding relationship with other users. **Procedure**

<u>Step 1</u> On the **Home** screen, select the VTH you have just added, and tap the **I**

Step 2 Select **Device Sharing**.

Figure 5-15 Device sharing (1)



Step 3 On the **Device Sharing** screen, tap to scan the QR code of the users you want to share the device.

Figure 5-16 Device sharing (2)





Figure 5-17 Scan QR code of the user you want to share

<u>Step 4</u> After scanning the QR code, the user that receives the sharing has to refresh the **Home** screen to update the sharing information.

Related Operations

To Obtain the QR Code of the User that Receives the Sharing.

- 1. Log in to the DMSS account of the user that to receive the sharing.
- 2. Tap **Me**, and tap the QR code icon at the top of the screen.

Figure 5-18 Obtain the QR code



Figure 5-19 Obtain the QR code (2)



Appendix 1 Security Recommendation

Account Management

1. Use complex passwords

Please refer to the following suggestions to set passwords:

- The length should not be less than 8 characters;
- Include at least two types of characters: upper and lower case letters, numbers and symbols;
- Do not contain the account name or the account name in reverse order;
- Do not use continuous characters, such as 123, abc, etc.;
- Do not use repeating characters, such as 111, aaa, etc.

2. Change passwords periodically

It is recommended to periodically change the device password to reduce the risk of being guessed or cracked.

3. Allocate accounts and permissions appropriately

Appropriately add users based on service and management requirements and assign minimum permission sets to users.

4. Enable account lockout function

The account lockout function is enabled by default. You are advised to keep it enabled to protect account security. After multiple failed password attempts, the corresponding account and source IP address will be locked.

5. Set and update password reset information in a timely manner

The device supports password reset function. To reduce the risk of this function being used by threat actors, if there is any change in the information, please modify it in time. When setting security questions, it is recommended not to use easily guessed answers.

Service Configuration

1. Enable HTTPS

It is recommended that you enable HTTPS to access web services through secure channels.

2. Encrypted transmission of audio and video

If your audio and video data contents are very important or sensitive, it is recommended to use encrypted transmission function in order to reduce the risk of your audio and video data being eavesdropped during transmission.

3. Turn off non-essential services and use safe mode

If not needed, it is recommended to turn off some services such as SSH, SNMP, SMTP, UPnP, AP hotspot etc., to reduce the attack surfaces.

If necessary, it is highly recommended to choose safe modes, including but not limited to the following services:

- SNMP: Choose SNMP v3, and set up strong encryption and authentication passwords.
- SMTP: Choose TLS to access mailbox server.
- FTP: Choose SFTP, and set up complex passwords.
- AP hotspot: Choose WPA2-PSK encryption mode, and set up complex passwords.
- 4. Change HTTP and other default service ports

It is recommended that you change the default port of HTTP and other services to any port between 1024 and 65535 to reduce the risk of being guessed by threat actors.

Network Configuration

1. Enable Allow list

It is recommended that you turn on the allow list function, and only allow IP in the allow list to access the device. Therefore, please be sure to add your computer IP address and supporting device IP address to the allow list.

2. MAC address binding

It is recommended that you bind the IP address of the gateway to the MAC address on the device to reduce the risk of ARP spoofing.

3. Build a secure network environment

In order to better ensure the security of devices and reduce potential cyber risks, the following are recommended:

- Disable the port mapping function of the router to avoid direct access to the intranet devices from external network;
- According to the actual network needs, partition the network: if there is no communication demand between the two subnets, it is recommended to use VLAN, gateway and other methods to partition the network to achieve network isolation;
- Stablish 802.1x access authentication system to reduce the risk of illegal terminal access to the private network.

Security Auditing

1. Check online users

It is recommended to check online users regularly to identify illegal users.

2. Check device log

By viewing logs, you can learn about the IP addresses that attempt to log in to the device and key operations of the logged users.

3. Configure network log

Due to the limited storage capacity of devices, the stored log is limited. If you need to save the log for a long time, it is recommended to enable the network log function to ensure that the critical logs are synchronized to the network log server for tracing.

Software Security

1. Update firmware in time

According to the industry standard operating specifications, the firmware of devices needs to be updated to the latest version in time in order to ensure that the device has the latest functions and security. If the device is connected to the public network, it is recommended to enable the online upgrade automatic detection function, so as to obtain the firmware update information released by the manufacturer in a timely manner.

2. Update client software in time

It is recommended to download and use the latest client software.

Physical Protection

It is recommended that you carry out physical protection for devices (especially storage devices), such as placing the device in a dedicated machine room and cabinet, and having access control

and key management in place to prevent unauthorized personnel from damaging hardware and other peripheral equipment (e.g. USB flash disk, serial port).