# **IP Indoor Monitor**

# User's Manual



# Foreword

### General

This document mainly introduces structure, installation process, and basic configuration of the IP Indoor Monitor (hereinafter referred to as the "indoor monitor").

### Safety Instructions

The following categorized signal words with defined meaning might appear in the manual.

Signal Words	Meaning
	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
	Provides additional information as the emphasis and supplement to the text.

### **Revision History**

Version	Revision Content	Release Date
V1.0.0	First release	April 2020

### About the Manual

- The manual is for reference only. If there is inconsistency between the manual and the actual product, the actual product shall prevail.
- We are not liable for any loss caused by the operations that do not comply with the manual.
- The manual would be updated according to the latest laws and regulations of related regions. For detailed information, see the paper manual, CD-ROM, QR code or our official website. If there is inconsistency between paper manual and the electronic version, the electronic version shall prevail.
- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the manual. Please contact the customer service for the latest program and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, please refer to our 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 the company names in the manual are the properties of their respective owners.
- Please visit our website, contact the supplier or customer service if there is any problem occurred when using the device.
- If there is any uncertainty or controversy, please refer to our final explanation.

# **Important Safeguards and Warnings**

The following description is the correct application method of the device. Read the manual carefully before use to prevent danger and property loss. Strictly conform to the manual during application and keep it properly after reading.

### **Operating Requirement**

- Do not place and install the device in an area exposed to direct sunlight or near heat generating device.
- Do not install the device in a humid, dusty or fuliginous area.
- Keep its horizontal installation, or install it at stable places, and prevent it from falling.
- Do not drip or splash liquids onto the device; do not put on the device anything filled with liquids to prevent liquids from flowing into the device.
- Install the device at well-ventilated places; do not block its ventilation opening.
- Use the device only within rated input and output range.
- Do not dismantle the device arbitrarily.
- The device shall be used with screened network cables.

### Power Requirement

- The product shall use electric wires (power wires) required by the region where the device will be used.
- Use power supply that meets SELV (safety extra low voltage) requirements, and supply power with rated voltage that conforms to Limited Power Source in IEC60950-1. For specific power supply requirements, refer to device labels.
- Appliance coupler is a disconnecting device. During normal use, keep an angle that facilitates operation.
- Do not cut off power supply during device upgrade.

# **Table of Contents**

Foreword	I
Important Safeguards and Warnings	II
1 Introduction	1
1.1 Overview	1
1.2 Features	1
1.3 Front Panel	2
1.4 Rear Panel	3
1.5 Cable Connections	5
2 Installation	6
3 Network Diagram	9
4 Configuration	10
4.1 Configuration Process	10
4.2 VDPConfig	10
4.3 Configuring Door Station	10
4.3.1 Initialization	10
4.3.2 Configuring VTO Number	12
4.3.3 Configuring Network Parameters	12
4.3.4 Selecting SIP Servers	13
4.3.5 Adding VTO Devices	15
4.3.6 Adding Room Number	16
4.4 Configuring Indoor Monitor	17
4.4.1 Initialization	18
4.4.2 Network Settings	24
4.4.3 Project Settings	27
4.4.4 General Settings	33
4.5 Alarm	38
4.5.1 Alarm Record	38
4.5.2 Alarm Settings	39
4.5.3 Alarm Mode	43
4.6 Unlocking	44
4.7 Arm/Disarm	44
4.7.1 Arm	44
4.7.2 Disarm	45
4.8 Elevator Control	45
4.9 Commissioning	45
4.9.1 Watching Monitoring Videos	45
4.9.2 Checking Messages	47
4.9.3 Making Calls	49
Appendix 1 Cybersecurity Recommendations	51

# **1** Introduction

## **1.1 Overview**

The 10-inch IP indoor monitor, widely used in intelligent buildings, integrates functions of monitoring, voice/video call, and unlock. Technologies like embedded technology, IP communication methods, simple network management protocol (SNMP), network encryption, and more are applied to make the whole system more stable, safer, and easier to be managed.

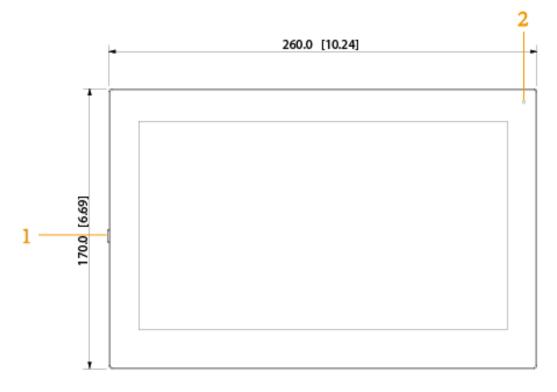
## 1.2 Features

- Wi-Fi: Provides wireless network for devices.
- Voice call: You can make calls on the door stations to indoor monitors.
- Monitoring: Videos captured by fence stations, door stations, IP cameras, and more can be watched on the indoor monitor.
- Elevator control: You can make the elevator come to your floor through the indoor monitor.
- Emergency call: Emergency calls can be made on the indoor monitor.
- Auto snapshot: During calls, or during monitoring, images can be captured, and the images can be stored in the SD card.
- Video recording: You can record videos through the indoor monitor if SD card is inserted into the rear panel of the indoor monitor.
- Do not disturb: You can set period in which you do not want to be disturbed.
- Remote unlock: You can unlock doors remotely.
- Arm and disarm: You can set alarm areas, and then arm and disarm.
- Record search: Call records and alarm records can be viewed.
- Message check: You can check text messages and videos left by visitors, or public notices released by the management center.
- App: You can install app on your mobile phone, and then you can unlock doors, making calls, receive alarm messages, and more through the app.

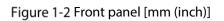
# 1.3 Front Panel

10 Inch

#### Figure 1-1 Front panel [mm (inch)]



### 7 Inch



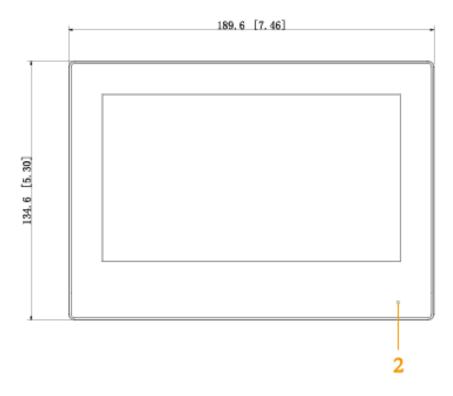


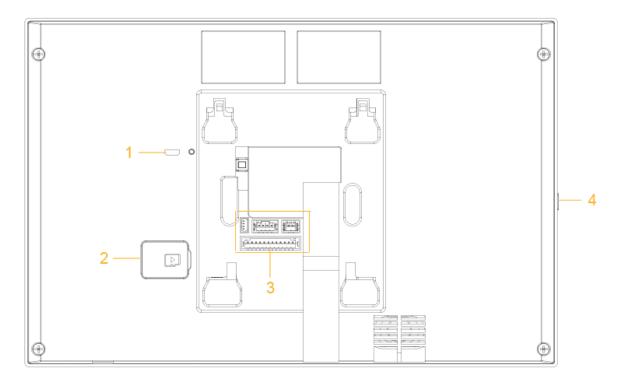
Table 1-1	Components
-----------	------------

	No.	Name
ſ	1	On/off button. Press the button, and then you can turn on/off the screen; press and
	1	hold the button, you can turn on/off or restart the indoor monitor.
	2	MIC, inputs audio.

# 1.4 Rear Panel

10 Inch

Figure 1-3 Rear panel



## 7 Inch

Figure 1-4 Rear panel

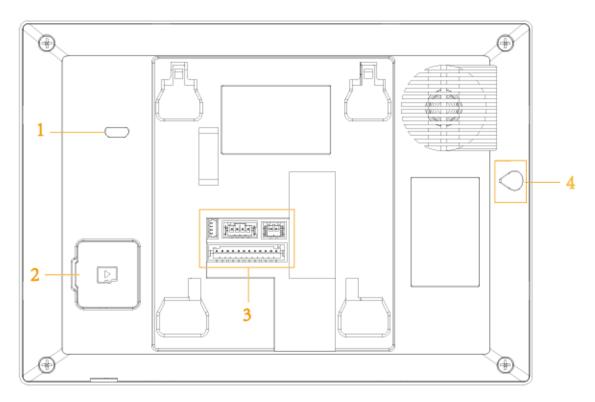
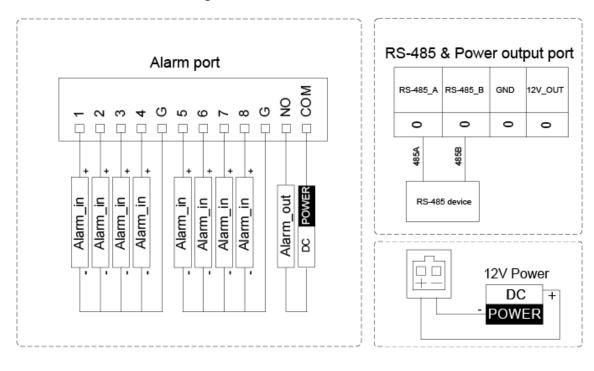


Table 1-2 Rear panel description

No.	Description
1	USB port, used by project personnel.
2	SD card slot.
3	Alarm ports, power cables, RS-485 port, and network ports are under the cover.
4	On/off button. Press the button, and then you can turn on/off the screen; press and hold
4	the button, you can turn on/off or restart the indoor monitor.

# **1.5 Cable Connections**



#### Figure 1-5 Cable connection

# **2** Installation

### 10 Inch

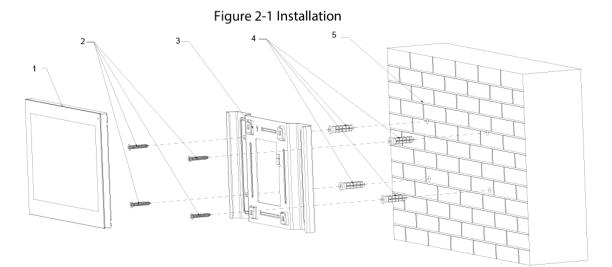


Table 2-1 Components

No.	Name	No.	Name
1	Indoor monitor	4	Anchor bolt
2	ST3 self-tapping screws	5	Wall
3	Bracket	-	_

Figure 2-2 Screw hole distances and diameters [mm]

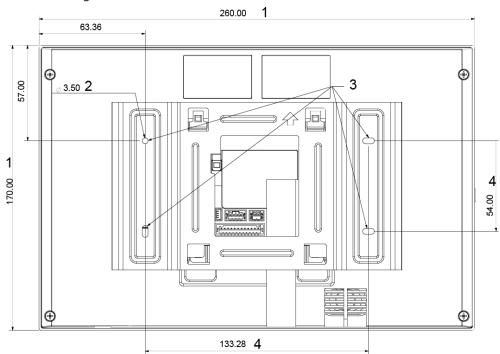


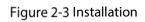
Table 2-2 Description of screw hole distances and diameters

No.	Description
1	Indoor monitor dimension
2	Bracket screw hole diameter

No.		Description
3		Bracket oval hole position
4		Screw hole distance
<u>Step 1</u>	Drill fo	ur screw holes in the wall according to holes on the bracket.
<u>Step 2</u>	Put and	hor bolts into the screw holes.
<u>Step 3</u>	Fix the	bracket on the wall with screws.
<u>Step 4</u>	Conne	ct cables (power cable, network cables, and more).
Step 5	Hang t	he indoor monitor on the bracket.

The installation is completed.

## 7 Inch



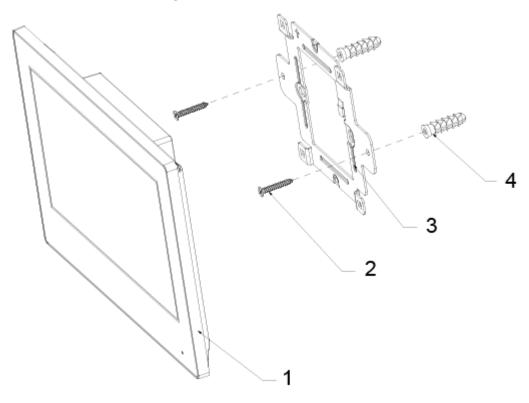
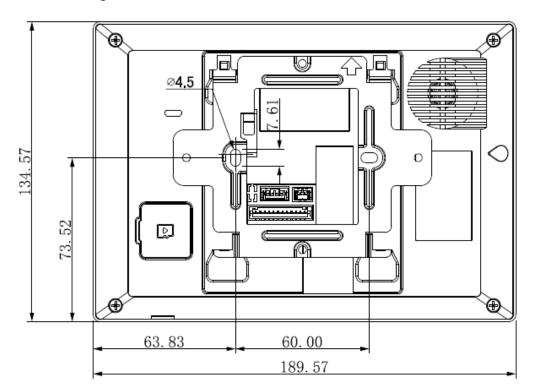


Table 2-3 Components

No.	Name	No.	Name
1	Indoor monitor	3	Bracket
2	Bracket fixing screws	4	Anchor bolt

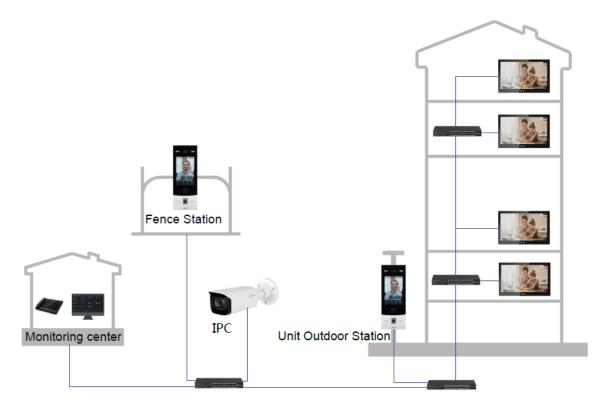
Figure 2-4 Screw hole distances and diameters [mm]



- <u>Step 1</u> Drill two screw holes in the wall according to holes on the bracket.
- <u>Step 2</u> Put anchor bolts into the screw holes.
- <u>Step 3</u> Fix the bracket on the wall with screws.
- <u>Step 4</u> Connect cables (power cable, network cables, and more).
- <u>Step 5</u> Hang the indoor monitor on the bracket. The installation is completed.

# **3** Network Diagram

Figure 3-1 Network diagram



# **4** Configuration

This chapter introduces initialization, cable connection, and parameter configuration to realize basic functions, including device management, calling, and monitoring.

# **4.1 Configuration Process**

### $\square$

Before configuration, make sure that there is no short circuit or open circuit.

- <u>Step 1</u> Plan IP address for every device, and also plan the unit number and room number you need.
- <u>Step 2</u> Configure VTO. See "4.3 Configuring Door Station."
  - 1) Initialize door station (VTO). See "4.3.1 Initialization."
  - 2) Configure door station (VTO). See "4.3.2 Configuring VTO Number."
  - 3) Configure door station (VTO) network parameters. See "4.3.3 Configuring Network Parameters."
  - 4) Configure SIP Server. See "4.3.4 Selecting SIP Servers."
  - 5) Add door stations (VTO) to the SIP server. See "4.3.5 Adding VTO Devices."
  - 6) Add room number to the SIP server. See "4.3.6 Adding Room Number."
- Step 3 Configure indoor monitor (VTH). See the VTH users' manual.
- Step 4 Commissioning. See "4.5 Commissioning."

# 4.2 VDPConfig

You can download the "VDPConfig" to initialize devices, change IP address and upgrade system for multiple devices at the same time. For the detailed information, see the VDPConfig user's manual.

# **4.3 Configuring Door Station**

Connect the door station (VTO) to your PC with network cable, and for the first-time login, you need to create a new password for the web interface.

## 4.3.1 Initialization

The default IP address of VTO is 192.168.1.108, and make sure that the PC is in the same network segment as the VTO.

- <u>Step 1</u> Connect the VTO to power source, and then boot it up.
- <u>Step 2</u> Open the browser on the PC, enter the default IP address of the VTO in the address bar, and then press Enter on the keyboard.

Figure 4-1 Device initialization

Device Init			×
1	2	3	
One	Two	Three	
Username	admin		
Password			
1	Low Middle	High	
Confirm Password			
l	Next		

- <u>Step 3</u> Enter and confirm the password, and then click **Next**.
- <u>Step 4</u> Select the **email** check box, and then enter your email address. This email address can be used to reset the password.
- Step 5 Click Next.
- Step 6 Click OK.

Figure 4-2 Login interface

WEB SERVICE2.0 NomUtilisateur Mot de passe Mot passe oublié ? Mot passe oublié ?	NomUtilisateur Mot de passe Mot passe oublié ?
NomUtilisateur Mot de passe Mot passe oublié ?	NomUtilisateur Mot de passe Mot passe oublié ?
Mot de passe Mot passe oublié ?	Mot de passe Mot passe oublié ?
Mot passe oublié ?	Mot passe oublié ?
Mot passe oublié ?	Mot passe oublié ?
Connexion	Connexion

## 4.3.2 Configuring VTO Number

The VTO number can be used to differentiate each VTO, and it is normally configured according to building number.

 $\square$ 

- You can change the number of a VTO when it is not working as SIP server.
- The VTO number can contain 5 numbers at most, and it cannot be the same as any room number.

<u>Step 1</u> Log in to the web interface of the VTO.

Figure 4-3 Main interface

WEB SERVICE2.0				Français -	4 € 0-
	VTO	Båtiment N° : 0 Type dispositif : Station villa	N" unhi6 : 0 No : 8001		
	Infos de version logicielle Version de sécurité de base		260 agorit 🔹 Certig sepat 🔐 Certig sepat Ja pauligentina langenta finance (a pauligentina promoto)		
		<b>e local</b> ees VIO	Régisse du n° de salte 5° de salte se sonder se sonder 19		
	Parame	Hrves résaou	<b>Cestion du journal</b> Agait désent, aixere et rethentire dans le pournal du systeme		

<u>Step 2</u> Select Local Setting > Basic.

Figure 4-4 Device properties

Type dispositif		Centre de gestion	888888		
Nº téléphone villa.	9901	Call Centre Time	00:00:00	23:59:59	

<u>Step 3</u> In the **VTO No.** input box, enter the VTO number you planned for this VTO, and then click **Confirm** to save.

### **4.3.3 Configuring Network Parameters**

<u>Step 1</u> Select **Network Setting > Basic**.

Figure 4-5 TCP/IP information

¢R	églag <mark>e</mark> local	BaRéglage du n° de salle	Paramètres réseau
TCP/II	P		
Adresse IP			
Masque sous-réseau	255.255.0.0		
Passerelle défaut Adresse MAC			
DNS préféré	8.8.8.8		
Adresse DNS	8.8.8.8		

Step 2 Enter network parameters you planned, and then click Save. The VTO will restart.

Make IP addresses of your PC and VTO are in the same network segment.

### **4.3.4 Selecting SIP Servers**

The Session Initiation Protocol (SIP) is used for signaling and controlling multimedia communication sessions in applications of voice and video calls. A SIP server is an application provides information or direction to a user agent.

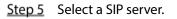
- When the door station (VTO) you are operating or another door station (VTO) works as SIP server, select **VTO** from the **Server Type** drop-down list. It applies to a scenario where there is only one building.
- When the platform (Express/DSS) works as SIP server, select **Express/DSS** from the **Server Type** drop-down list. It applies to a scenario where there are multiple buildings or multiple units.
- <u>Step 1</u> Log in to the web page.
- <u>Step 2</u> On the homepage, select **Local Setting > Basic**.
  - Select TCP/IP from the System Type drop-down list.

Default system type is analog system and shall be changed to TCP/IP. Otherwise, it will fail to connect VTH.

- 2) Click **OK** to save the settings.
- 3) Restart the device manually, or wait for auto restart to make the settings effective.
- <u>Step 3</u> Log in to web interface again.
- <u>Step 4</u> Select **Network Setting > SIP Server**.

Figure 4-6 SIP server (1)

WEB SERVICE2.0	森 Réglage local		<b>≣</b> Réglage du n° de salle	Paramètres réseau
De base				
	Serveur SIP	🗹 Activer		
UPnP	Type serveur			
Serveur SIP	Adresse IP	192.168.1.111		
	Port			
Pare-feu	NomUtilisateur			
	Mot de passe	•••••		
	Domaine SIP			
	Utilisateur Serveur SIP			
	MDP Serveur SIP	•••••		



#### VTO as SIP server

- <u>Step 1</u> Select **Enable** next to **SIP Server**.
- <u>Step 2</u> Select **VTO** from the **Server Type** drop-down list

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

Parameter Description					
IP Addr.	The IP address of the VTO which works as SIP server.				
Port	5060				
Username					
Password	Keep the default value.				
SIP Domain	VDP				
SIP Server Username	The user name and password for the web interface of the SIP				
SIP Server Password	server.				

Table 4-1 SIP server configuration

Step 4 Click Save.

The VTO will restart automatically.

### Platform (Express/DSS) as a SIP server

#### <u>Step 1</u> Select **Network Setting > SIP Server**.

<u>Step 2</u> Select **Express/DSS** from the **Server Type** drop-down list.

<u>Step 3</u> Set parameters according to Table 4-2.

Table 4-2 SIP server parameter description	

Parameter	Description				
IP Address	IP address of SIP server.				
Port	<ul> <li>It is 5060 by default when another VTO works as SIP server.</li> <li>It is 5080 by default when the platform works as SIP server.</li> </ul>				
Username/Password	Use default value.				
SIP Domain	<ul> <li>It shall be VDP when another VTO works as SIP server.</li> <li>It can be null or keep default value when the platform works as SIP server.</li> </ul>				
SIP Server Username/ Password	Username and password to log in to SIP server.				
Alternate IP Addr.	IP address of the alternate server.				
Alternate Username	Username and password for logging in to the alternate server.				
Alternate Password					
Alternate VTS IP Addr.	IP address of the alternate VTS.				
Alternate Server	<ul> <li>Select the Enable checkbox after Alternate Sever, and then the door station (VTO) you are visiting will work as the alternate SIP server.</li> <li>If you entered alternate IP address, username, password, and VTS IP address, and then the door station (VTO) whose IP address you entered will work as alternate SIP server.</li> </ul>				

<u>Step 4</u> Click **OK** to save the configuration.

The VTO will restart automatically.

When the platform works as SIP server, if it is necessary to set Building No. and Building Unit No., enable **Support Building** and **Support Unit** first.

## 4.3.5 Adding VTO Devices

You need to add VTO to the SIP server, and all intercoms connected to the same SIP server can make video calls among each other. This section applies to the condition in which a VTO works as SIP server, and if you are using other servers as SIP server, see the corresponding manual for the detailed configuration.

<u>Step 1</u> Log in to the web interface of the SIP server, and then select **Household Setting > VTO No.** Management.

WEB SERVICE2.0	챣 Réglage local	BuRéglage du n° de salle	Paramètres rése	au 📕 Ge	stion du journal	Français -
	Gestion VTO					
Gestion VTH						
Gestion des moniteurs	8001					
État en ligne						
	Ajout Effacer					

Figure 4-7 VTO No. management

Step 2 Click Add.

Figure 4-8 Add VTO

Ajout	No ana s	×
No		
Enregistrer MDP	•••••	
Bâtiment N°		
N° unité		
Adresse IP	127.0.0.1	
NomUtilisateur		
Mot de passe		
	Enreg.	Annuler

<u>Step 3</u> Configure the parameters, and be sure to add the SIP server itself too.

Table 4-3 Add VTO configuration

Parameter	Description				
Rec No.	The VTO number you configured for the target VTO. See the details in				
Rec NO.	4.3.2 Configuring VTO Number."				
Register Password Keep default value.					
Build No.	Available only when other servers work as SIP server.				
Unit No.					
IP Address	IP address of the target VTO.				
Username	The user name and nassword for the useh interface of the target VTO				
Password	The user name and password for the web interface of the target VTO.				
Username	The user name and password for the web interface of the target VTO.				

Step 4 Click Save.

## 4.3.6 Adding Room Number

You can add the planned room number to the SIP server, and then configure the room number on VTH devices to connect them to the network. VTO works as SIP server will be taken as an example, and if you use other servers as SIP server, see the corresponding manual for the details.

The room number contains 6 digits of numbers or letters or their combination at most, and it cannot be the same as any other VTO numbers.

<u>Step 1</u> Log in to the web interface of the SIP server, and then select **Household Setting > Room No. Management**.

VEB SERVICE2.0	袋 Réglage local	BeRéglage du n° de salle	O Paramètres ré	eseau Gestion du jourr	nal Français -
Gestion VTO	Gestion VTH				
	No pièce			Surnom Type de registrei	r Modifier
Sestion des moniteurs	9901#0			Public	/ <b>X</b>
tat en ligne	9901#1			Public	
cuat en ligne	9901#2			Public	
	9901#3			Public	
	9901#4			Public	
	9901#5			Public	
	9901#6			Public	
	9901#7			Public	
	9901#8			Public	
	9901#9			Public	
	Ajout Actualser Effa	icet			

Figure 4-9 Room No. management

<u>Step 2</u> You can add single room number or do it in batches.

- Add single room number
- 1) Click **Add**. See Figure 4-9.

#### Figure 4-10 Add single room number

Ajout		 _			×
Prénom		NomUtilisateur		Modifier	
Nom					
Sumom					
No pièce					
Type de registrer	Public 🔻				
Enregistrer MDP	•••••		Aucune donnée		
				mission carte	

2) Configure room information.

	Table 4-4	Room	information
--	-----------	------	-------------

Parameter	Description	
First Name		
Last Name	Enter the information you need to differentiate each room.	
Nick Name		
Room No.       The room number you planned.         Image: Provide the image: Providet the image: Provide the image: Provide the image: P		
Register Type	Select <b>public</b> , and <b>local</b> is reserved for future use.	
Register Password	Keep the default value.	

3) Click **Save**.

Click 🚺 to modify room information, and click 📕 to delete a room.

- Add room number in batches
- 1) Enter the total number of floors, total number of rooms on one floor, 1st room No. of the 1st floor, and 1st room No. of the 2nd floor as needed.
- Click Add at the bottom left of the interface.
   All the added room numbers are displayed. Click Refresh to view the latest status, and click Clear to delete all the room numbers.

## **4.4 Configuring Indoor Monitor**

When the indoor monitor is used for the first time, you need to select a language that you prefer, initialize the indoor monitor to get a password to enter project setting interface and an email to reset password. In addition, you need to configure parameters for all door stations (VTO) and indoor monitors that are found on the indoor monitor you are operating.

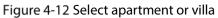
### 4.4.1 Initialization

### 4.4.1.1 Quick Configuration for VTH (For Villa)

<u>Step 1</u> Power on the device.

	Figure 4-11 Select a language	
	Select Language	Next
English		$\checkmark$
Nederlands		
Español		
Deutsch		
Italiano		
Français		
Português		
Русский		

Step 2Select a language that you prefer.Step 3Tap **OK**.



	Sele	ect System	Next
	Do you want to o	lo quick configuration?	
	Apartment	Villa	
• A	partment: Select <b>Apartment</b> wh	en the door stations and indoor monitors are	

- Apartment: Select **Apartment** when the door stations and indoor monitors are installed in apartments. Quick configuration is not available when you select apartment.
- Villa: Select **Villa** when the door stations and indoor monitors are installed in villas. Quick configuration is available when you select villa.

# Step 4Select Villa.Step 5Tap OK.

Figure 4-13 Set local password			
STEP1/3	Set Local password	ОК	
Password	6 digits pa	assword	
Confirm Pwd	6 digits pa	assword	
Email	This email is used to reset the pa	assword	

# Step 6Enter password, confirm password, and email for the VTH you are to initialize.Step 7Tap **OK**.

	<b>~</b>		
Figure 4-14	Set another	device	nassword
riguic - i -	Securiouner	actice	passiona

STEP2/3		Set another de	vice password	S	Next
Device Type	SN	MAC	IP	Status	Operation
Local	5L04270YAZD088F	a0:bd:1d:ee:59:b4	192.168.1.160	Initialized	
VTO	5L02A61PAZACDA1	08:ed:ed:20:de:59	172.9.1.136	Initialized	
VTO	5J044DAPAZ02B87	a0:bd:1d:a8:2a:3a	172.9.2.121	Initialized	
VTO	5G06704PAZ84EB9	a0:bd:1d:5d:8c:6b	172.9.222.110	Initialized	
VTO	5C05DE1PAZ4DD9C	9c:14:63:99:46:99	172.9.2.130	UnInitialized	Initialize
VTH	5L04270YAZ097DB	a0:bd:1d:ee:59:b7	192.168.1.108	UnInitialized	Initialize

#### <u>Step 8</u> Tap **Refresh**, and then tap **Next**.

#### Figure 4-15 Networking configuration

STEP3/3		Networkir	ng configuration	One-k	key Config	Quit
Device Type	SN	MAC	IP	Main/Sub	Results	Config
Local	5L04270YAZD088F	a0:bd:1d:ee:59:b4	192.168.1.160	Main		Edit
VTO	5L02A61PAZACDA1	08:ed:ed:20:de:59	172.9.1.136	-	-	Edit
VTO	5J044DAPAZ02B87	a0:bd:1d:a8:2a:3a	172.9.2.121	-		Edit
VTO	5G06704PAZ84EB9	a0:bd:1d:5d:8c:6b	172.9.222.110	-	-	Edit

#### <u>Step 9</u> Tap **Edit** behind each device to do configurations.

- Configure indoor monitor (VTH).
- 1) Select an indoor monitor (VTH).

#### Figure 4-16 VTH config

Back	VTH Config	ОК
Local IP		192.168.1.160
Netmask		255.255.255.0
Gateway		192.168.1.1

- 2) Enter local IP, Network, and gateway.
- Tap OK.
   The indoor monitor (VTH) configuration is completed.
- Configure Main VTO and Sub VTO. There must be only one main VTO and one or more sub VTOs.

 $\square$ 

If there are no sub door stations (VTO), then you do not need to do sub door station (VTO) configurations.

1) Select a door station (VTO).

### Figure 4-17 VTO config (1)

Back	VTO Config		ОК
Device Type		Main	Sub
Local IP		1	72.9.1.136
Netmask		2	255.255.0.0
Gateway			172.9.0.1
Date Format		DD-MN	1-YYYY <b>•</b>
Time Format		24	-HOUR 🔻
Date		(	01-01-2000
Time			00:00:00
Video Standard		PAL	NTSC
	Figure 4-18 VTO config (2)		
Back	VTO Config		ОК
	Only one main VTO can be exist in the system		
Device Type		Main	Sub
Local IP		17	2.9.2.121
Netmask		25	5.255.0.0
Gateway			172.9.0.1

#### 2) Select **Main** or **Sub**.

Enter local IP, Network, gateway; select video standard, date format, time format; set date and time.

3) Tap **OK**.

### 4) Tap One-key Config.

The VTO configuration will be completed in a few seconds.

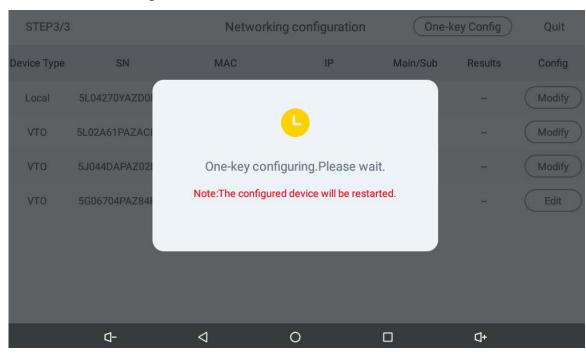


Figure 4-19 Making the configuration effective

### 4.4.1.2 Normal Configuration for VTH (For Apartment)

- Step 1 Tap **Apartment** on Figure 4-12.
- <u>Step 2</u> Connect the indoor monitor to power source.
- <u>Step 3</u> Enter the password, confirm password, and email.
  - $\square$ 
    - Password: The password is used when administrators need to go to the project mode.
    - Email: The email is used when you need to reset the password.
- <u>Step 4</u> Tap **OK**.



Table 4-5 Description of main menu

No.	Name	Description	
1	Room number	Number of the room where the indoor monitor Is installed.	
2	Date and time	Current time and date are displayed here.	
3	Arm and disarm	Shortcut icons to arm or disarm are displayed here. The four icons represent at home mode, away from home mode, sleep mode, and customizable mode. Select <b>Arm Mode</b> or <b>Disarm Mode</b> first, and then tap the icons to arm or disarm.	
4	Status bar	<ul> <li>The wired network is not connected.</li> <li>The wired network is connected.</li> <li>A: The indoor monitor failed to be connected to the SIP server. If this icon does not appear, then the indoor monitor is connected to the SIP server.</li> <li>: The SD card is inserted and recognized.</li> <li>: The indoor monitor is in the Do not disturb mode. It if disabled by default.</li> <li>Door Status <ul> <li>: Door closed.</li> <li>: Door open.</li> <li>: Wnknown.</li> </ul> </li> </ul>	

No.	Name	Description
5	SOS	Tap the SOS icon, the indoor monitor will call the management center.
6 Do not disturb		<ul> <li>Tap the icon, and then you can set do not disturb period. You need to enable DND Period first, and then you can do do-not-disturb settings.</li> <li>For details, see DND after tapping and entering the password (123456 by default, and this password can be changed in 4.4.4.4 General).</li> <li>It is recommended that the passwor be changed during the first use.</li> </ul>
7	Turn off screen	Tap the icon, and then the screen will be turned off.
8	Function buttons	<ul> <li>Tap the icon, and then you can watch videos from door stations and IP cameras.</li> <li>Tap the icon, and then text messages and videos left by visitors, or public notices released by the management center will be displayed.</li> <li>Tap the icon, and then you can make calls to other indoor monitors and the management center; and you can also view call logs and your contacts on this interface.</li> <li>Tap the icon, and then you can view alarm logs, do alarm settings for 6 areas as needed.</li> <li>Tap the icon, enter the password (123456 by default, and this password can be changed in 4.4.4.4 General), and then you can select ringtones for different door stations, Do Not Disturb period, call forward mode (there are three options: Always, Busy, and No Answer), and other settings.</li> <li>Sound Recorder: You can record your voice messages to the SD card or to the indoor monitor.</li> <li>Calculator: You can view files like images, videos, audio, and recently produced files.</li> <li>Calendar: You can view date through the indoor monitor, and create notes, schedules, and plans.</li> <li>Gallery: You can view images captured by door stations (VTO) or IP cameras.</li> </ul>

## 4.4.2 Network Settings

Connect the indoor monitor to the network, and then the indoor monitor can communicate with other devices.

### Wired Network

Make sure that IP address of the indoor monitor and IP address of door stations are in the same network segment; otherwise the indoor monitor cannot acquire door station information.

#### <u>Step 1</u> Tap the **Settings** icon.

<u>Step 2</u> Enter the password (123456 by default, and this password can be changed in 4.4.4.4 General).

		<-> 🖹	09:09
•	Network & Internet Wi-Fi, mobile, data usage, hotspot		
	Apps & notifications Permissions, default apps		
Ф	Display Wallpaper, sleep, font size		
•)	Sound Volume, vibration, Do Not Disturb		
	Storage 44% used - 4.52 GB free		
(j)	System Languages, backup, updates		

#### Figure 4-21 Network settings

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

#### Table 4-6 Parameter description

Parameter Description						
Network & Internet						
Apps & Notifications You can view the recently opened apps, apps opened by default, app p (apps using location, microphone, and camera), app notifications, and s access.						
Display You can adjust display brightness, display sleep duration, font size, and						
Sound	You can adjust media volume and notification volume. You can also select to use default notification sound and default alarm sound.					
Storage	Spaces used a needed.	Spaces used and spaces left can be viewed. You can delete unwanted files as needed.				
System	Languages & Input	<ul> <li>Languages: You can select languages as needed.</li> <li>Keyboard &amp; Inputs: There are two options: Virtual keyboard and physical keyboard.</li> <li>Input assistance: You can use spell checker, autofill service (not available at present), personal dictionary, and text-to-speech output as needed. Pointer speed can also be adjusted.</li> </ul>				
	Backup	You can use backup storage as needed.				

Parameter	Description	
	Reset options	You can reset Wi-Fi, mobile, and Bluetooth, and app preferences. You can also erase all data, which means restoring the indoor monitor to factory settings.
	About tablet	You can see details (battery status, network status, legal information, model, android version, Android security patch level, baseband version, Kernel version, build number, and more) about the indoor monitor.

#### Step 4 Tap Network & Internet.

Step 5 Tap Ethernet.

Figure	4-22	Network setting	
- igaic		rectroncsetting	

1	•			«» 🖹 🗴 13:48
÷	Ethernet			
	Ethernet Ip mode static			
	IP address			
	gateway 172.9.0.1			
	netmask 255.255.0.0			
	DNS 1 8.8.8.8			
	DNS 2 8.8.4.4			
	Q-	$\triangleleft$	0	[]+

<u>Step 6</u> Tap Ethernet Ip mode.

- Select static: Enter IP address, gateway, netmask, and then tap **CONNECT**.
- Select dhcp: Tap dhcp, the IP information will be automatically acquired.

### Wireless Network

- <u>Step 1</u> Tap the **Settings** icon.
- Step 2 Tap Network & Internet.
- <u>Step 3</u> Tap , the Wi-Fi is enabled.
- <u>Step 4</u> Tap  $\bigtriangledown$ , the available wireless networks are displayed.

Figure 4-23 Wi-Fi

1	0				🕬 🖹 🚦 13:48
÷	Wi-Fi				
	On				۰
(((•	C9-118596-M1-E51B				â
((:•	C9-29683-2.4G_TEST				ê
(((•	GURIJPLLW7				Ô
((:•	TP-LINK_CA61				â
((•	1134555923				Ô
((•	322823752				Ô
((•	322823810				6
	۵-	$\triangleleft$	0	[]+	
<u>Step 5</u> Step 6 Step 7	Select a wireless ne Enter the password Tap <b>CONNECT</b> .				
	The network is con	nected.			

## 4.4.3 Project Settings

Tap and hold *Settings* enter the password (the password set during initialization), and then the **Project Settings** interface will be displayed.

Figure 4-24	Project	settings
-------------	---------	----------

<b>Q</b> 11		13:49			₽ fi.
Project Settings					ок
③ VTH Config	Room No.				11
SIP Server	Device Type			✓ Master	Extension
😚 VTO Config	Master IP		0		0_0
Search Device	Master Name				
Reset MSG	Master Pwd				
Security Settings	System Version				
	Security Baseline Version				
۵-	$\triangleleft$	0		[]+	

### 4.4.3.1 VTH Config

- Room No.: Number of the room where the indoor monitor is installed.
- Device Type: There are two options: **Master** and **Extension**.
  - Master: If the indoor monitor that you are operating works as the master station, you need to select **Master**.
  - **Extension:** If the indoor monitor works as an extension, you need to select Extension.
- Master IP: When the indoor monitor works as an extension, you need to enter IP address of the master station.
- Master Name: Keep the default value.
- Master Pwd: The password you set during initialization (6 characters).
- System Version: You can view system version of the indoor monitor.
- Security Baseline Version: You can view security baseline version of the indoor monitor.

#### 4.4.3.2 SIP Server

You need to enter SIP server information, and then video door phones in the same system can communicate with each other.

Tap SIP Server.

<b>Q</b> 11			13:49			. E .
Project Settings						ОК
(i) VTH Config	Server IP			172	• <u>.</u> 222	
🗈 SIP Server	Network Port					5060
😚 VTO Config	User Name					11
Q Search Device	Password					
Reset MSG	Domain					
Security Settings	Login Name					admin
	Login Pwd					•••••
Ф-		$\triangleleft$	0		⊴+	

Figure 4-25 SIP server (1)

Table 4-7	SIP	server	description
-----------	-----	--------	-------------

Parameter	Description					
	• When the platform works as SIP server, server IP is IP address of the					
Server IP	management platform.					
Serverin	• When a door station works as SIP server, server IP is IP address of the door					
	station.					
Nature de Dant	• When the platform works as SIP server, network port is 5080.					
Network Port	• When VTO works as SIP server, network port is 5060.					

Parameter	Description			
User Name	Kaan default value			
Password	Keep default value.			
Domain	Registration domain of SIP server, which can be null.			
Domain	When VTO works as SIP server, registration domain of SIP server shall be VDP.			
Login Name				
Login Pwd	Username and password to log in to web of the SIP server.			
Status	Enable the SIP server status, and then the SIP server can start to work.			

### 4.4.3.3 VTO Config

You need to add door stations to the indoor monitor, and then calls can be made among door stations and indoor monitors.

Step 1 Tap VTO Config,

Figure 4-26 Door station (VTO) configuration

<b>9</b> 901		09:21	I		<b>A</b> .#
Project Settings	VTO Name	VTO IP	User Name	Password	Status
VTH Config	Main VTO		admin		
SIP Server	Sub VT01	0.0.0.0	admin		
舒 VTO Config	Sub VTO2	0.0.0.0	admin		
Search Device	Sub VT03	0.0.0.0	admin		
Reset MSG	Sub VTO4	0.0.0.0	admin		
Security Settings	Sub VT05	0.0.0.0	admin		
	Sub VT06	0.0.0.0	admin		
Q-		⊲ 0		Q+	

<u>Step 2</u> Tap a door station (VTO).

 ● 9901
 Og 2
 ▲ ▲

 Project Settings
 VTO Name
 VTO IP
 User Name
 Password
 Status

 • VTH Config
 Ma
 VTO IP
 User Name
 Password
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 • VTO Config
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Figure 4-27 VTO IP

<u>Step 3</u> Tap the default IP, and then the on-screen keyboard appears.

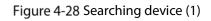
<u>Step 4</u> Enter the door station (VTO) IP, user name, and password (used to log in to the door station web interface).

- You can add 20 door stations (one main door station and 19 sub door stations) to the indoor monitor.
- Make sure that user name and password that you entered here are the same as the user name and password used when logging in to the door station web interface.

<u>Step 5</u> Tap **(**) to enable the door station.

### 4.4.3.4 Searching Device

Tap the **Search Device** icon, and then the system starts to search devices automatically. You can add the device found to the indoor monitor.



<b>Q</b> 11		13:49		<b>□</b>
Project Settings			C	t 🗹 ū
VTH Config	172.5.4.65			D8:ed:ed:33:bc/le
SIP Server				#0.bd.1d.5d8c.6b
😚 VTO Config				
Search Device				
Reset MSG				
Security Settings				
Q	- 4	0		Q+

Figure 4-29 Searching device (2)

<b>Q</b> 11		13:49		₽ <b>.</b> #
Project Settings	< Search Device	Add Devi	ce K	б ⊳і ок
VTH Config	Device Name			Main VTO
SIP Server	Channel Name			
🕸 VTO Config	Mid Num			
Search Device	IP			
Reset MSG	Port			
Security Settings	State			
	Searched IP			
Q-	$\bigtriangledown$	0		Q+

### 4.4.3.5 Resetting Password

You can change the email address that you use to reset your password.

 $\square$ 

You need to enable the **Resst Password** first if you want to reset the password.

Step 1	Tap and h	old 🗹

#### <u>Step 2</u> Tap Forgot password?.

- Step 3 Tap OK.
- <u>Step 4</u> Scan the QR code with any app with scanning function.
- <u>Step 5</u> Send the string to the email address displayed on your device interface with the email address you set on the **Reset MSG** interface.

A safe number will be sent to your email address.

#### <u>Step 6</u> Tap **Next** and then enter the new password, confirm password, and safe number. The password is reset.

<b>Q</b> 11		13:50	₽ #
Project Settings			OK
VTH Config	Old Email		e***@er.com
SIP Server	New Email		
😚 VTO Config	Reset Password		
Search Device			
Reset MSG			
Security Settings			
Ф.	- 4	0	<b>U</b> +

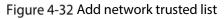
Figure 4-30 Reset password

### 4.4.3.6 Security Settings

You need to enable the trusted list, and then trusted devices can communicate with the indoor monitor. You can also use Dshell to get the ability to develop custom analysis modules which help you understand events of cyber intrusion.

rigare i si Enaste a astea ist						
♥ 9901#0			09:08		A 🖧	
Project Settings			Trusted List	DShell	⊞ <i>L</i>	
VTH Config	Enable					
🗈 SIP Server						
😚 VTO Config						
Search Device						
Reset MSG						
Security Settings						
d-		4	0		<b>d</b> +	

Figure 4-31 Enable trusted list



<b>9901#0</b>		09:08		<b>A</b> no
Project Settings		Add Network Truste	d List	ок
VTH Config	IP/MAC			e device.
SIP Server	Port Number of this Device			
😚 VTO Config	Port			number.
Search Device				
🔿 Reset MSG				
Security Settings				
Q-	4	0 [	] 4+	
You need to tap 🔳	on the enable trusted list	interface, and then t	he <b>Add Network Truste</b>	<b>d List</b> will

be displayed.

## 4.4.4 General Settings

Tap Z, enter the password (123456 by default, and this password can be changed in 4.4.4.4 General). You can select ringtones for different door stations, Do Not Disturb period, call forward mode (there are three options: Always, Busy, and No Answer), and other settings.

### 4.4.4.1 Ring

On this interface, you can select ringtones for different door stations, indoor monitors, and alarm devices.

Figure 4-33 Ring

<b>Q</b> 11		13:51			₽ <b>.</b>
User Settings		VTO Ring VTH Ring	Alarm Ring	Other	
局 Ring	VTO	Ringto	one File	Volum	e
(S DND	VT00	phone_r	ing1.mp3 🔹	- 7	÷
Forward	VT01	phone_r	ing1.mp3 🔹	- 7	ŧ
l General	VTO2	phone_r	ing1.mp3 🔍	- 7	ŧ
🗗 Themes	VT03	phone_r	ing1.mp3 🔹	- 7	ŧ
	VTO4	phone_r	ing1.mp3 🔹	- 7	ŧ
	VTO5	phone_r	ing1.mp3 🔹	- 7	Đ
C	- 4	0		⊴+	

### 4.4.4.2 DND

Enable **DND Period** first, and then you can set do not disturb period for each day. Figure 4-34 DND

<b>Q</b> 11		13:	51			њ. (
User Settings						ок
月 Ring	Please	e enable the DND F	Period, and then ye	ou can configure	e time and week.	
( DND	DND Period				C	
➢ Forward	Start					$\bigcirc$
lo General	End					$\bigcirc$
🗗 Themes	Week					⊘
	1- <	C	)		<b>₫</b> +	

### 4.4.4.3 Forward

When calls come in, they will be forwarded to the numbers you have set in advance. There are three options: **Always**, **Busy**, and **No Answer**.

Figure 4-35 Forward

<b>Q</b> 11			13:51	₽ Å
User Settings				ок
月 Ring	Always			
(S DND	Number			
ටි Forward	Busy			
General	Number			
🗗 Themes	No Answer			
	Number			
Q-		$\triangleleft$	0	۵+

- Always: Whenever calls come in, they will always be forwarded.
- Busy: If calls come in when you are talking to others over the indoor monitor, the calls will be forwarded.
- No Answer: When the coming calls are not answered, they will be forwarded.
- If you want to forward the call to residents in other apartment, you need to enter 0101101 for building 1 + apartment 1 + room 101.
- If you want to forward the call to residents in your apartment, enter the number of the room where the indoor monitor is installed.

### 4.4.4.4 General

On the **General** interface, you can set new passwords for arming and disarming, registering new users and downloading apps by scanning QR codes, and setting other parameters.

Figure 4-36 Password

<b>Q</b> 11			13:52			<b>-</b>	ħ
User Settings			User Pwd	QR Code	Other	ок	
吊 Ring	New Pwd						
C DND	Confirm Pwd	I					
ට් Forward							
③ General							
௺ Themes							
	-	$\triangleleft$	0			<b>□</b> +	

Figure 4-37 QR code

		5					
<b>Q</b> 11	I		13:52				ħ
User Settings			User Pwd	QR Code	Other		
₽ Ring							
🕓 DND		间复数				en	
ව Forward		66.3			207	Πā	
l General		1.000	2		254	20	
🗗 Themes		<b>□ %</b> =3	HC			<b>37</b> 2	
		Register			Dowr	nload	
	₽-	$\triangleleft$	0	C	ו	Q+	

Figure 4-38 Other

<b>Q</b> 11		13:52				<b>n</b>
User Settings		User Pwd	QR Code	Other		ОК
🖓 Ring	Monitor Time(s)					300
G DND	RecordTime (s)					300
Forward	VTO Message Time(s)					45
l General	VTO Talk Time(s)					120
🗗 Themes	Internal Call Time(m)					5
	Internal Call					
	Auto Capture					
<u></u>	- 4	0	(		<b>Q</b> +	

- Monitor Time (s): You can watch monitoring images from the indoor monitor for at most 300 seconds a time.
- Record Time (s): You can record at most 300-second audio files a time on the indoor monitor.
- VTO Message Time (s): Visitors can only leave an at most 90-second message a time on the door station (VTO).
- VTO Talk Time (s): Visitors can talk to you through the door station (VTO) for at most 300 seconds a time.
- Internal Call Time (s): You can talk to other indoor monitors for at most 60 minutes a time.
- Internal Call: After the **Internal Call** is enabled, you can call other indoor monitors from the indoor monitor you are operating.
- Auto Capture: After the **Auto Capture** function is enabled, if a visitor called you but you did not answer the call, the door station (VTO) would take three images of the visitor standing in front of the door station. This function is available when SD card is inserted into the indoor monitor.

### 4.4.4.5 Themes

You can select a theme for your indoor monitor. There are two options: White Mode and Black Mode.

Figure 4-39 Themes

<b>Q</b> 11			13:53		n n
User Settings	• 110				
ቭ Ring	12		<b>2</b> 505		<b>8</b> •••
& DND	5 15:33 2010/06/14		C an	15:37	с С. жи. С. О. Попаст) ЕЩ них
Forward	0		0	<ul> <li>Image: Image: Ima</li></ul>	0 🕗
③ General		White Mode		Black	Mode
🗗 Themes					
	d-	$\triangleleft$	0		<b>□</b> +

# 4.5 Alarm

# 4.5.1 Alarm Record

Tap . Peripheral alarm modules can be connected to the indoor monitor. You can view alarm logs,

do alarm settings for 8 areas as needed. There are 7 types of alarms: Infrared, gas sensor, smoke sensor, urgency button, door sensor, stolen, perimeter, and doorbell.

Select Disarm on the main menu, and then you can do alarm settings.

#### Figure 4-40 Viewing alarm prompt

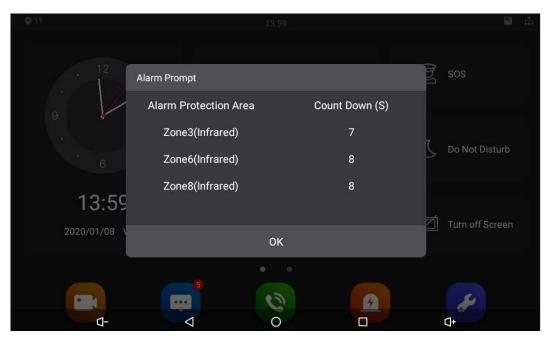


Figure 4-41 Viewing alarm record

<b>Q</b> 11		13:59	
Alarm		All Unread	S 🖉
🗟 Alarm record	🔔 🛛 Zone 8	Infrared	2020-01-08 13:59
ন্দ্রি Alarm	🗘 🛛 Zone 6	Infrared	2020-01-08 13:59
BB Mode	🗘 🛛 Zone 3	Infrared	2020-01-08 13:59
	- 4	0 🗆	<b>d</b> +

# 4.5.2 Alarm Settings

### 4.5.2.1 Wire Zone

Set alarm settings for eight areas, and then if emergencies happen, alarms will be triggered.

Тар 🙆.

Figure 4-42 Wire zone

<b>Q</b> 11			13:59			
Alarm			WireZone	Alarm Out		ОК
🗟 Alarm record	Area	Туре	NO/NC	Status	Enter (Sec.)	Exit (Sec.)
ଜ୍ର Alarm	1	Infrared 🔻	NO 🔻	Instant 🔻	0s 🔻	Os 🔻
BB Mode	2	Infrared 🔻	NO 🔻	Instant 💌	Os 🔻	0s 🔻
	3	Infrared 🔻	NO 🔻	Instant 🔻	Os 🔻	Os 🔻
	4	Infrared 🔻	NO 🔻	Instant 🔻	Os 🔻	0s 🔻
	5	Infrared 🔻	NO 🔻	Instant 🔻	Os 🔻	Os 🔻
	6	Infrared 🔻	NO 🔻	Instant 🔻	Os 🔻	0s 🔻
٥	-	4	0		4۲	

### Table 4-8 SIP server description

Parameter	Description
Area	Area numbers. There are 8 areas in total. They cannot be modified.
	There are 8 types of alarms: Infrared, gas sensor, smoke sensor, urgency
Туре	button, door sensor, stolen, perimeter, and doorbell. Select alarm types
	according to detector types.
NO/NC	Select NO (normally open) or NC (normally closed) according to detector
NO/NC	types. It shall be the same as detector type.
	There are 5 statuses: Instant, delay, bypass, remote, and 24-hour protection
	zone.
	• Instant: In Arm Mode, if you selected this status for an area, once alarms
	are triggered, the indoor monitor will give out voice prompt immediately.
	• Delay: In Arm Mode, if you selected this status for an area, once alarms
	are triggered, the indoor monitor will give out voice prompt a period
	later.
Status	• Bypass: If you selected the bypass status for an area, after the area has
514145	been armed and alarms are triggered; there will be no voice prompt.
	Once the area is disarmed, alarm status will be back to normal.
	• Remove: When you select <b>Arm Mode</b> and <b>Disarm Mode</b> for an area in "at
	home mode", "away from home mode", "sleep mode", and "customizable
	mode", the status of this area will not be changed.
	• 24-hour protection zone: If you selected this status for an area, no matter
	Arm on the main menu is selected or not, whenever alarms are triggered,
	voice prompt will always be given out.
	In the Arm Mode, after you have selected this status for an area, there will be
Enter (Sec.)	no voice prompt when you enter the area from a disarmed area within the
	period you set; after that period has passed in the Arm Mode, voice prompt
	will be given out.

Parameter	Description						
	This function is only available when you have selected Delay status for an area.						
Exit (Sec.)	<ul> <li>In the Arm Mode, after you have selected this status for an area, there will be no voice prompt unit you have exit the area within the period you set. After that period has passed in the Arm Mode, voice prompt will be given out when alarms are triggered.</li> <li>This function is only available when you have selected Delay status for an area.</li> <li>If you have selected this status for more than one area, and then prompts of the area with the longest period will be displayed on the indoor monitor.</li> </ul>						

### 4.5.2.2 Enable 433

### $\square$

This function is only available for models ending with A.

Only after you have enabled 433, the **Wireless Zone** interface will appear.

Figure 4-43 Enable 433

<b>9</b> 901#0		09:06			A .75
Alarm		WireZone	Enable 433 A	arm Out	
🗟 Alarm record	Enable 433 Module				
ଜ୍ର Alarm					
BB Mode					
<	- 4	0		4ل	

### 4.5.2.3 Wireless Zone

On the **WirelessZone** interface, you can add alarm devices for alarm areas, and then if alarms are triggered, alarm messages will be pushed to the indoor monitor.

Step 1 Tap on the main menu.

Step 2 Select Enable 433.

- Step 3 Enable 433.
- Step 4 Tap WirelessZone.
- Step 5 Tap Add.

The indoor monitor enters the paring mode.

<u>Step 6</u> Press the paring button on the alarm device.

 $\square$ 

Tap the device added, slide to the left, and then the delete button will appear. Tap deleting button to delete the device that you selected.

<u>Step 7</u> Tap **OK**.

Figure 4-44 Wireless zone

<b>9</b> 901#0	1		09:06			<b>A</b> 🖧
Alarm		WireZone	WirelessZone	Enable 433	Alarm Out	ОК
🗟 Alarm record	Area	Туре	ON/OFF	Status	En-Delay	Ex-Delay
ଜ Alarm			$\oplus$	Add		
🗄 Mode			$\oplus$	Add		
			$\oplus$	Add		
			$\oplus$	Add		
			$\oplus$	Add		
			$\oplus$	Add		
C	- ⊲		0		Q+	

### 4.5.2.4 Alarm Out

After you have enabled the alarm output function, when there are people making calls to the indoor monitor from other devices, alarm devices will send alarms.

Figure 4-45 Alarm out

<b>Q</b> 11			13:59			ф
Alarm			WireZone	Alarm Out		
🗟 Alarm record	Enable Statu	IS				
ଜ୍ର Alarm						
B Mode						
	₫-	$\triangleleft$	0		₫+	

## 4.5.3 Alarm Mode

There are four modes: Home, away, sleep, and custom. Select modes as needed.

Only in the **Disarm Mode** can you enable alarm modes for the areas.

### Figure 4-46 Alarm mode

<b>Q</b> 11	L	13:5	59			<b>₽</b> ́.
Alarm		Home	Away	Sleep	Custom	
🗟 Alarm record	Are	a			Wired Protection Zone	
ন্দ্রি Alarm	1					
品 Mode	2					
	3					
	4					
	5					
	6					
C	⊦ ⊲	С	)		Q+	

# 4.6 Unlocking

You can unlock doors connected to the door stations through the indoor monitor when watching monitoring videos, when someone is calling you from the door station, or when talking to the people at the door station over the indoor monitor.

# 4.7 Arm/Disarm

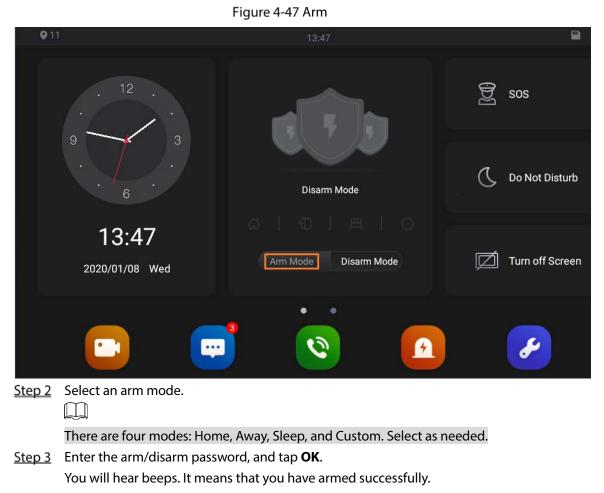
After areas are armed, when alarms are triggered, alarm messages will be pushed to the indoor monitor.



- Make sure that areas you want to arm are armed; otherwise alarms will not be triggered.
- Make sure that the area is in the disarmed status; otherwise you cannot arm the area. When
   Disarm Mode on the interface is white, it means that the indoor monitor is in the disarm mode.

## 4.7.1 Arm

<u>Step 1</u> Tap **Arm Mode** on the main menu.



### 

- The default arm/disarm password is 123456. If you want to change it, see "4.4.4.4 General."
- If you selected **Delay** for the alarm status of an area, you will hear the beeps after the delayed duration has passed.

## 4.7.2 Disarm



- Make sure that areas you want to disarm are armed; otherwise you cannot disarm the area.
- If you are forced to enter arm/disarm password to disarm, you can enter the hijacking password (enter the arm/disarm password in reverse order), and then the management center will receive your asking for help information.

# 4.8 Elevator Control

Elevator control modules can be connected to the indoor monitor. You can make the elevator come to your floor through the indoor monitor. Once elevator control module is connected, there is an elevator control button on the main menu of the indoor monitor.

# 4.9 Commissioning

# 4.9.1 Watching Monitoring Videos



On the indoor monitor, you can watch videos captured by door stations and IP cameras. You can also put door stations and IP cameras that you like into the **Favorite** folder by tapping at the lower right corner of each device.

During the call with a door station, you can watch the real-time videos capture by door stations or IP cameras.

Figure 4-48 Monitor (1)

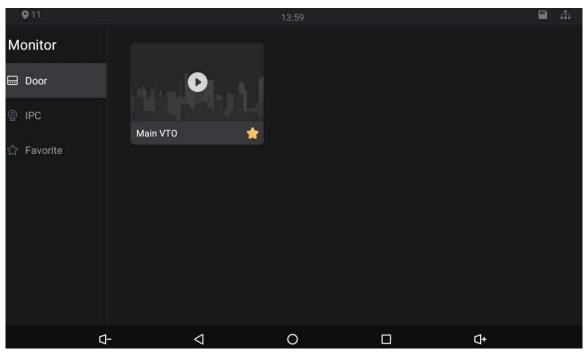
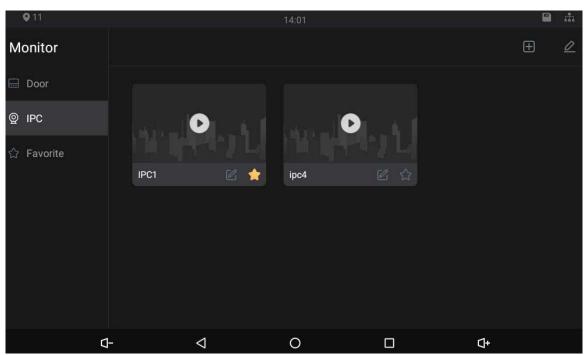


Figure 4-49 Monitor (2)



### Figure 4-50 IPC information

<b>Q</b> 11			14:01		Ĩ	th C
Monitor	< IPC		Device Inforr	mation		ок
🗔 Door	Name					IPC1
© IPC	IP				172.12	1,129
☆ Favorite	User Name				а	ıdmin
	Password					Ø
	Port					554
	Stream				Extra	$\bigcirc$
	Protocol				Local	$\bigcirc$
	-	$\triangleleft$	0		<b>4</b>	

- Tap the icon to turn down the volume.
- Tap the icon to go to the previous page.
- O: Tap the icon to go to the main menu.
- Tap the icon, and all thumbnails of interfaces you have opened will be displayed. Select an interface and slide it to the left or right to close the interface.
- **I**+ Tap the icon to turn up the volume.

# 4.9.2 Checking Messages

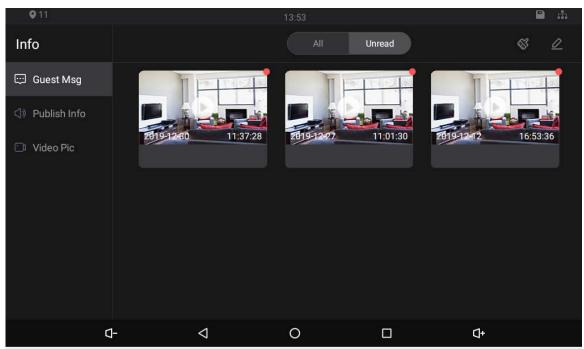
Tap in the main menu, and then you can watch videos left by visitors, view snapshots and public notices released by the management center, or delete videos and snapshots.

### 4.9.2.1 Guest Message



This function will be available when SD card is inserted in the indoor monitor, and all messages will be stored in the SD card.

Figure 4-51 Guest message



### 4.9.2.2 Publish Info



Figure 4-52 Viewing publish information

<b>Q</b> 11			13:57		₽ #.
Info			All	Unread	Cancel
😳 Guest Msg		Payment notice			2020-01-08 13:57:50
幻》 Publish Info		Message			2020-01-08 13:57:15
🗀 Video Pic					
					delete (0)
٥	-	$\triangleleft$	0		Q+

### 4.9.2.3 Video Pic



This function will be available when SD card is inserted in the indoor monitor, and all videos and snapshots will be stored in the SD card.

Figure 4-53 Viewing video pictures 911 Info Video 3 0 👳 Guest Msg Publish Info 12:08:20 2019-12-80 11:55:04 2019-12-27 11:08:14 80 🗇 Video Pic Sub VT01 Main VTO 06:53:26 ₫- $\triangleleft$ 0 ₫+

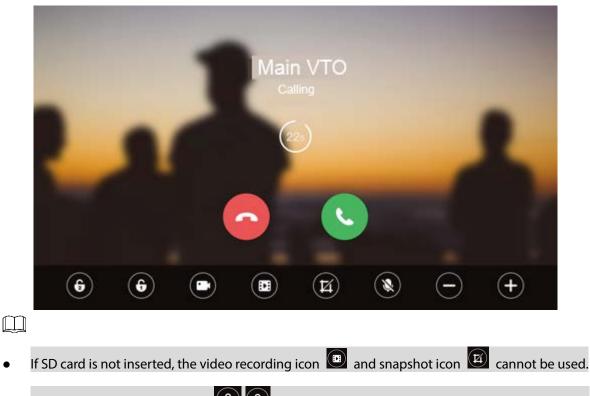
# 4.9.3 Making Calls

Tap Name and then you can call other indoor monitors and the management center; and you can also view call logs and your contacts on this interface. You can also call the indoor monitor from door stations.

Figure 4-54 Making Calls							
<b>Q</b> 11	14:04						
Video Talk	8001						
<ul> <li>Contact</li> <li>Call User</li> </ul>	1	2	3	4			
	5	6	7	8			
	*	9	0	#			
	ABC						
۵-		0		<b>Δ+</b>			



Figure 4-55 Calling



• You can tap the unlock icon **6**, **6** to unlock doors. If the icons turn grey, the unlock function cannot be used.

### Call Residents through Dialing Numbers

Step 1 Tap

### Step 2 Tap Call User.

<u>Step 3</u> Enter room number (room number you entered in the indoor monitor), and then tap **S**.

- If door station (VTO) works as SIP server, enter a room number.
- If management platform like DSS Pro or DSS Express works as SIP server.
  - ♦ Call residents in your apartment or your building, enter a room number.
  - Call residents in other apartments and buildings, enter 1#1#101 for apartment 1 building 1 room 101.

 $\square$ 

- If you call the extensions (101#1) from the main indoor monitor (101#0), just enter -1.
- If you call the main indoor monitor from the extensions, just enter -0.

### Call Residents through Contacts

You can also call residents through contacts.

### Call through Call Logs

You can make calls through tapping call records.

# **Appendix 1 Cybersecurity Recommendations**

Cybersecurity is more than just a buzzword: it's something that pertains to every device that is connected to the internet. IP video surveillance is not immune to cyber risks, but taking basic steps toward protecting and strengthening networks and networked appliances will make them less susceptible to attacks. Below are some tips and recommendations on how to create a more secured security system.

#### Mandatory actions to be taken for basic device network security:

#### 1. Use Strong 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; character types include 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 overlapped characters, such as 111, aaa, etc.;

#### 2. Update Firmware and Client Software in Time

- According to the standard procedure in Tech-industry, we recommend to keep your device (such as NVR, DVR, IP camera, etc.) firmware up-to-date to ensure the system is equipped with the latest security patches and fixes. When the device is connected to the public network, it is recommended to enable the "auto-check for updates" function to obtain timely information of firmware updates released by the manufacturer.
- We suggest that you download and use the latest version of client software.

#### "Nice to have" recommendations to improve your device network security:

#### 1. Physical Protection

We suggest that you perform physical protection to device, especially storage devices. For example, place the device in a special computer room and cabinet, and implement well-done access control permission and key management to prevent unauthorized personnel from carrying out physical contacts such as damaging hardware, unauthorized connection of removable device (such as USB flash disk, serial port), etc.

#### 2. Change Passwords Regularly

We suggest that you change passwords regularly to reduce the risk of being guessed or cracked.

#### 3. Set and Update Passwords Reset Information Timely

The device supports password reset function. Please set up related information for password reset in time, including the end user's mailbox and password protection questions. If the information changes, please modify it in time. When setting password protection questions, it is suggested not to use those that can be easily guessed.

#### 4. Enable Account Lock

The account lock feature is enabled by default, and we recommend you to keep it on to guarantee the account security. If an attacker attempts to log in with the wrong password several times, the corresponding account and the source IP address will be locked.

#### 5. Change Default HTTP and Other Service Ports

We suggest you to change default HTTP and other service ports into any set of numbers between 1024~65535, reducing the risk of outsiders being able to guess which ports you are using.

### 6. Enable HTTPS

We suggest you to enable HTTPS, so that you visit Web service through a secure communication channel.

#### 7. MAC Address Binding

We recommend you to bind the IP and MAC address of the gateway to the device, thus reducing the risk of ARP spoofing.

#### 8. Assign Accounts and Privileges Reasonably

According to business and management requirements, reasonably add users and assign a minimum set of permissions to them.

#### 9. Disable Unnecessary Services and Choose Secure Modes

If not needed, it is recommended to turn off some services such as SNMP, SMTP, UPnP, etc., to reduce risks.

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

- SNMP: Choose SNMP v3, and set up strong encryption passwords and authentication passwords.
- SMTP: Choose TLS to access mailbox server.
- FTP: Choose SFTP, and set up strong passwords.
- AP hotspot: Choose WPA2-PSK encryption mode, and set up strong passwords.

#### 10. Audio and Video Encrypted Transmission

If your audio and video data contents are very important or sensitive, we recommend that you use encrypted transmission function, to reduce the risk of audio and video data being stolen during transmission.

Reminder: encrypted transmission will cause some loss in transmission efficiency.

#### 11. Secure Auditing

- Check online users: we suggest that you check online users regularly to see if the device is logged in without authorization.
- Check device log: By viewing the logs, you can know the IP addresses that were used to log in to your devices and their key operations.

#### 12. Network Log

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

#### 13. Construct a Safe Network Environment

In order to better ensure the safety of device and reduce potential cyber risks, we recommend:

- Disable the port mapping function of the router to avoid direct access to the intranet devices from external network.
- The network should be partitioned and isolated according to the actual network needs. If there are no communication requirements between two sub networks, it is suggested to use VLAN, network GAP and other technologies to partition the network, so as to achieve the network isolation effect.
- Establish the 802.1x access authentication system to reduce the risk of unauthorized access to private networks.
- Enable IP/MAC address filtering function to limit the range of hosts allowed to access the device.