HIKVISION

Video Intercom Face Recognition Door Station

User Manual

Legal Information

©2019 Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (https://www.hikvision.com/).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

Trademarks

HIKVISION and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.

Other trademarks and logos mentioned are the properties of their respective owners.

Disclaimer

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS MANUAL AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN

CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

YOU ACKNOWLEDGE THAT THE NATURE OF INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INSPECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

Data Protection

During the use of device, personal data will be collected, stored and processed. To protect data, the development of Hikvision devices incorporates privacy by design principles. For example, for device with facial recognition features, biometrics data is stored in your device with encryption method; for fingerprint device, only fingerprint template will be saved, which is impossible to reconstruct a fingerprint image.

As data controller, you are advised to collect, store, process and transfer data in accordance with the applicable data protection laws and regulations, including without limitation, conducting security controls to safeguard personal data, such as, implementing reasonable administrative and physical security controls, conduct periodic reviews and assessments of the effectiveness of your security controls.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
<u> </u>	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
<u> </u>	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
i Note	Provides additional information to emphasize or supplement important points of the main text.

Safety Instruction

! Warning

- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Please use the power adapter, which is provided by normal company. The power consumption cannot be less than the required value.
- Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
- Please make sure that the power has been disconnected before you wire, install
 or dismantle the device.
- When the product is installed on wall or ceiling, the device shall be firmly fixed.
- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the device yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

!\ Caution

- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the device in extremely hot (refer to the specification of the device for the detailed operating temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
- The device cover for indoor use shall be kept from rain and moisture.
- Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the device at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.

- Please use the provided glove when open up the device cover, avoid direct contact with the device cover, because the acidic sweat of the fingers may erode the surface coating of the device cover.
- Please use a soft and dry cloth when clean inside and outside surfaces of the device cover, do not use alkaline detergents.
- Please keep all wrappers after unpack them for future use. In case of any failure
 occurred, you need to return the device to the factory with the original wrapper.
 Transportation without the original wrapper may result in damage on the device
 and lead to additional costs.
- Improper use or replacement of the battery may result in hazard of explosion.
 Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an
 explosion or the leakage of flammable liquid or gas.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type.

Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- —Increase the separation between the equipment and receiver.
- —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- —Consult the dealer or an experienced radio/TV technician for help

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference.
- 2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

ce matériel est conforme aux limites de dose d'exposition aux rayonnements, FCC / CNR-102 énoncée dans un autre environnement.cette eqipment devrait être installé et exploité avec distance minimale de 20 entre le radiateur et votre corps.

EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see:www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- 1. this device may not cause interference, and
- 2. this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1. l'appareil ne doit pas produire de brouillage, et
- l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

Contents

1 Appearance	1
2 Terminal and Wiring Description	3
2.1 Terminal Description	3
2.2 Wiring Description	4
2.2.1 Door Lock Wiring	5
2.2.2 Door Contact Wiring	5
2.2.3 External Card Reader Wiring	6
2.2.4 Alarm Device Input Wiring	8
2.2.5 Alarm Device Output Wiring	9
3 Installation	10
3.1 Junction Box (Sales Seperately)	10
3.2 Wall Mounting with Junction Box	11
4 Activation	12
4.1 Activate Device Locally	12
4.2 Activate Device via Client Software	13
5 Local Operation	15
5.1 Local Configuration	15
5.1.1 Network Settings	15
5.1.2 Information Settings	15
5.1.3 Add Residents	16
5.1.4 Recognition Parameters Settings	17
5.1.5 Change Password	17

	5.1.6 Volume Adjustment	18
	5.1.7 Search Version	18
	5.2 Video Intercom Operation	19
	5.2.1 Call Resident	19
	5.2.2 Call Center	19
	5.3 Unlock Door	19
	5.3.1 Unlock by Password	19
	5.3.2 Unlock by Presenting Card	20
	5.3.3 Unlock by Fingerprint	20
	5.3.4 Unlock by Face	20
6	Configuration via Client Software	22
	6.1 Edit Network Parameters	22
	6.2 Add Device	22
	6.2.1 Add Online Device	22
	6.2.2 Add Device by IP Address	23
	6.2.3 Add Device by IP Segment	23
	6.2.3 Add Device by IP Segment	
		24
	6.3 Remote Configuration	24 24
	6.3 Remote Configuration	24 24 29
	6.3 Remote Configuration 6.3.1 System 6.3.2 Video Intercom	24 24 29 35
	6.3 Remote Configuration 6.3.1 System 6.3.2 Video Intercom 6.3.3 Network Settings	24 29 35 38
	6.3 Remote Configuration	242429353839

	6.5.2 Modify and Delete Organization	40
6.6	Person Management	40
	6.6.1 Add Person	41
	6.6.2 Modify and Delete Person	42
	6.6.3 Import and Export Person Information	42
	6.6.4 Get Person Information from Device	43
	6.6.5 Change Person to Other Organization	44
	6.6.6 Add Person in Batch	44
	6.6.7 Issue Card in Batch	44
	6.6.8 Permission Settings	46
6.7	Video Intercom Settings	47
	6.7.1 Receive Call from Door Station	47
	6.7.2 Live View via Door Station	48
	6.7.3 Release Notice	48
	6.7.4 Search Video Intercom Information	49

1 Appearance

🔃 Note

The appearance of the device vary according to different model. Refers to actual device.

With Fingerprint Module

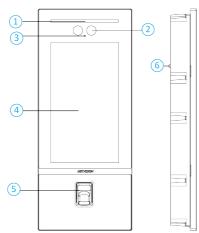


Figure 1-1 Front and Side Panel
Table 1-1 Appearance and Description

No.	Description
1	Light
2	Camera
3	Microphone
4	Screen
5	Fingerprint Reconition Area
6	TAMPER

With Card Reader Module

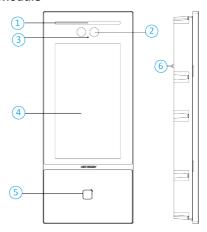


Figure 1-2 Front and Side Panel
Table 1-2 Appearance and Description

No.	Description
1	Light
2	Camera
3	Microphone
4	Screen
5	Card Reader Area
6	TAMPER

2 Terminal and Wiring Description

2.1 Terminal Description

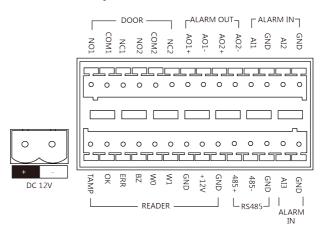


Figure 2-1 Terminal Description

Table 2-1 Description of Terminal and Interface

Name	Interface	Description	
Power Input	DC 12 V	12 VDC Power Input	
ALARM OUT	AO1+	Alarm Relay Output 1	
	AO1-		
	AO2+	Alarm Relay Output 2	
	AO2-		
ALARM IN	Al1	Alarm Input 1 Alarm Input 2	
	AI2		
	AI3	Alarm Input 3	
	GND	Grounding	

Name	Interface	Description
RS-485	485+	RS-485 Communication Terminal
	485-	
	GND	
READER	TAMP	Wiegand Card Reader TAMPER
	ОК	Card Reader Indicator Output (Valid Card Output)
	ERR	Card Reader Indicator Output (Invaild Card Output)
	BZ	Card Reader Buzzer Output
	W0	Data Input Interface Wiegand Card Reader: Data0
	W1	Data Input Interface Wiegand Card Reader: Data1
	GND	Grounding
	12V	Power Supply Output
	GND	Grounding
DOOR	NO1	Door Lock Relay Output 1
	COM1	Common Interface
	NC1	Door Lock Relay Output 1
	NO2	Door Lock Relay Output 2
	COM2	Common Interface
	NC2	Door Lock Relay Output 2

2.2 Wiring Description

2.2.1 Door Lock Wiring

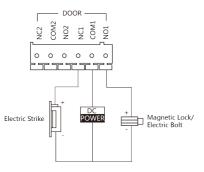


Figure 2-2 Door Lock Wiring

🔃 Note

Terminal NC1/COM1 is set as default for accessing electric strike. Terminal NO1/COM1 is set as default for accessing magnetic lock/electric bolt.

2.2.2 Door Contact Wiring

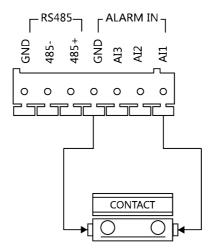


Figure 2-3 Door Contact Wiring

2.2.3 External Card Reader Wiring

i Note

- Please set the DIP switch first before connecting the card reader.
- If the DIP switch should be configured when the card reader is power-on, please reboot the card reader after configuring the DIP switch.
- The DIP switch description is shown in the following table:

Table 2-2 DIP Switch Description

No.	Description	How to Configure	
1 to 4	Set the RS-485 address	ON: 1	
		OFF: 0	
6	Select Wiegand protocol or	ON: Wiegand	
	RS-485 protocol	OFF: RS-485	
7	Set the Wiegand protocol (It is	ON: Wiegand 26	
	invalid when setting OFF in 6.)	OFF: Wiegand 34	

RS-485 Card Reader Wiring

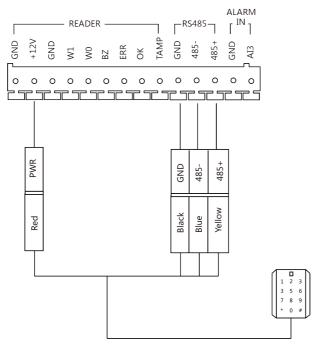


Figure 2-4 RS-485 Card Reader Wiring

Wiegand Card Reader Wiring

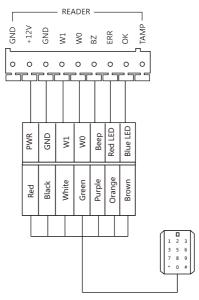


Figure 2-5 Wiegand Card Reader Wiring

2.2.4 Alarm Device Input Wiring

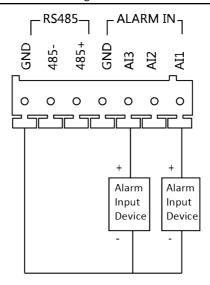


Figure 2-6 Alarm Device Input Wiring

2.2.5 Alarm Device Output Wiring

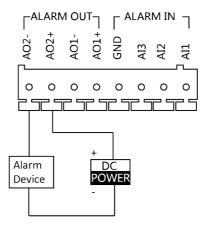


Figure 2-7 Alarm Device Output Wiring

3 Installation

i Note

- Make sure the device in the package is in good condition and all the assembly parts are included.
- The power supply the door station supports is 12 VDC. Please make sure your power supply matches your door station.
- Make sure all the related equipment is power-off during the installation.
- Check the product specification for the installation environment.

3.1 Junction Box (Sales Seperately)

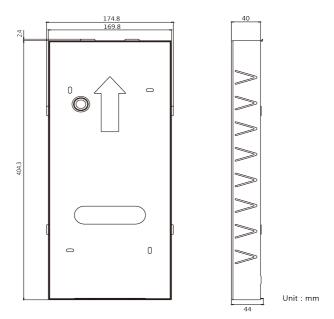


Figure 3-1 Junction Box

🔃 Note

- Ask our technique supports and sales and purchase the DS-KABD9613-G junction box.
- The dimension of the junction box is: 406.7 mm(W) × 174.8 mm(H) × 44 mm(D).
- The installation hole should be larger than junction box. The suggested dimension of the installation hole is 407.5mm(W) × 175.5(H) × 44.5(D) mm.

3.2 Wall Mounting with Junction Box

Steps

1. Drill an installation hole on the wall.

☐i Note

The suggested size of hole is 407.5mm(W) $\times 175.5$ (H) $\times 44.5$ (D) mm.

- 2. Insert the junction box to the wall. Secure the junction and the wall with 4 supplied screws.
- **3.** Insert the door station to the junction box.
- 4. Fix the door station with the set screw.

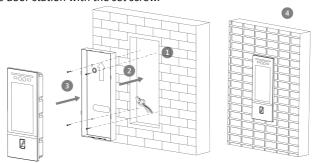


Figure 3-2 Wall Mounting with Junction Box

4 Activation

4.1 Activate Device Locally

You are required to activate the device first by settings a strong password for it before you can use the device.

Steps

- 1. Power on the device to enter the activation page automatically.
- 2. Create a password and confirm it.

Table 4-1 Number Button Description

No.	Description	No.	Description
1	1,.?! -*#	6	6mnoMNO
2	2abcABC	7	7pqrsPQRS
3	3defDEF	8	8tuvTUV
4	4ghiGHI	9	9wxyzWXYZ
5	5jklJKL	0	0

Hold 0 to enter special characters.

Table 4-2 Number Button Description

No.	Description	No.	Description
1	1,.#?	6	6_=+
2	2!@%	7	7[];:
3	3^\$*	8	8" <
4	4()\	9	9>{}
5	5&/-		

🔃 Note

- The password required 8 to 16 characters.
- The way to enter the password, take button 2 as an example: Press 2 to
 enter the number '2' or hold 2 for 1.5 s and press 2 again to enter the
 character 'a'.
- When you have entered the password, press # to switch to confirm the password.
- Press * to delete the wrong charater.
- 3. Press # to activate.

4.2 Activate Device via Client Software

You can only configure and operate the door station after creating a password for the device activation.

Default parameters of door station are as follows:

- Default IP Address: 192.0.0.65.
- Default Port No.: 8000.
- Default User Name: admin.

Steps

- Run the client software, click Maintenance and Management → Device
 Management → Device to enter the page.
- 2. Click Online Device.
- 3. Select an inactivated device and click Activate.
- **4.** Create a password, and confirm the password.

i Note

We highly recommend you to create a strong password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

5. Click OK to activate the device.

i Note

- When the device is not activated, the basic operation and remote operation of device cannot be performed.
- You can hold the Ctrl or Shift key to select multiple devices in the online devices, and click the Activate button to activate devices in batch.

5 Local Operation

5.1 Local Configuration

5.1.1 Network Settings

Set the network parameters of the door station and linked devices.

Steps

 Long tap on the initial page for 3 s and slide to the left/right and log in the backend.

i Note

By default, the admin password is activation password.

- 2. Tap Network Settings.
- Edit IP address, Subnet Mask, Gateway, SIP IP, Main Station IP and Center IP according to your needs.
- **4.** Tap < on the top left of the page to save the settings.

5.1.2 Information Settings

Steps

 Long tap on the initial page for 3 s and slide to the left/right and log in the backend.

🔟 Note

By default, the admin password is activation password.

- 2. Tap Local Settings.
- 3. Configure the parameters according to your needs.
- **4.** Tap < to save the settings.

🔃 Note

- The No. of the main door station is 0.
- The No. of the sub door stations should be set from 1 to 99.

- Every unit should have at least one main door station.
- Up to 8 sub door station can be linked to the same main door station.

5.1.3 Add Residents

User Management

Steps

 Long tap on the initial page for 3 s and slide to the left/right and log in the backend.

🔃 Note

By default, the admin password is activation password.

- 2. Tap User Management.
- 3. Swipe the main card or enter the password to login.

i Note

Create a password to login for the first time.

Add Users

Steps

- 1. Tap add button to enter the settings page.
- 2. Set the Room No. for the device.

🔃 Note

- Room No. = Floor No. + No.
- The floor No. can be omitted.
- 3. Add cards.
 - 1) Tap Card.
 - 2) Tap + to issue card.
 - 3) Set the card No. and swiping the card.
- 4. Add faces.
 - 1) Tap Face.

- 2) Face at the camera and tap **Capture**.
- 3) Tap Save.
 - 🔃 Note
 - You can tap **Retry** to capture the face again.
 - Up to 3000 faces can be added to the device.
 - Every users can add only one face picture.
- 5. Add fingerprints.
 - 1) Tap Fingerprint.
 - 2) Tap + to add fingerprint.
 - 3) Put your finger on the fingerprint recognition area.

i Note

Up to 3000 users can be added. Every user can add up to 10 fingerprints. Up to 5000 fingerprints can be added.

6. Tap **√** to save the settings.

5.1.4 Recognition Parameters Settings

Steps

 Long tap on the initial page for 3 s and slide to the left/right and log in the backend.



By default, the admin password is activation password.

- 2. Tap Recognition Parameters.
- 3. Configure the parameters according to your needs.
- 4. Tap < to save the settings.

5.1.5 Change Password

Steps

 Long tap on the initial page for 3 s and slide to the left/right and log in the backend. $oxedsymbol{oxedsymbol{igli}}$ Note

By default, the admin password is activation password.

- 2. Tap Change Password.
- 3. Select Admin Password, User Password or Public Password from the list.

Admin Password

You can configure parameters (such as network parameters, device management, device upgrading, etc.) by entering the admin password on the device first.

User Password

You can add, delete or modify the informations of the users by entering the user password.

Public Password

You can unlock the door by entering public password.

4. Modify the password and tap \mathbf{V} to save the settings.

5.1.6 Volume Adjustment

Steps

 Long tap on the initial page for 3 s and slide to the left/right and log in the backend.

🔟 Note

By default, the admin password is activation password.

- 2. Tap Volume Settings.
- 3. Adjust loudspeaker and microphone volume.
- **4.** Tap < to save the settings.

5.1.7 Search Version

Steps

 Long tap on the initial page for 3 s and slide to the left/right and log in the backend. 🔃 Note

By default, the admin password is activation password.

- 2. Tap About.
- 3. The device model and system version display on the page.
- **4. Optional:** Scan the QR code to add the device via mobile client.

5.2 Video Intercom Operation

5.2.1 Call Resident

Call Resident from Main/Sub Door Station

Tap **Call/Open** to enter the calling page.

Enter the room No. and press call button.

Call Resident from Outer Door Station

Tap Call/Open to enter the calling page.

Enter 【Community No. + # + Building No. + # + Unit No. + # + Room No.】 and press call button.

5.2.2 Call Center

Tap **Call/Open** to enter the calling page.

On the page, tap **Center** to start calling.

5.3 Unlock Door

5.3.1 Unlock by Password

Unlock by Password

Tap **Call/Open** to enter the calling page.

Enter [# + Room No. + Password + #] , and tap unlock button.

Unlock by Public Password

🔃 Note

Make sure you have created the public password via iVMS-4200 Client Software remotely.

Tap **Call/Open** to enter the calling page.

Enter [# + Public Password + #], and tap unlock button.

5.3.2 Unlock by Presenting Card

 \prod i Note

Make sure you have issued the card to the device. Refers to *User Management* for details.

Present the card on the card reading area to unlock.

5.3.3 Unlock by Fingerprint

🔃 Note

- Make sure you have added the fingerprint to the device.
- Fingerprint function may vary with different modules. Please refer to the actual devices.

Put your finger on the finger recognition module to unlock.

5.3.4 Unlock by Face

🔃 Note

Make sure you have added your face picture to the device. Refers to the *User Management* for details.

Face forward at the camera to unlock.

6 Configuration via Client Software

6.1 Edit Network Parameters

To operate and configure the device via LAN (Local Area Network), you need connect the device in the same subnet with your PC. You can edit network parameters via **iVMS-4200** client software.

Steps

- 1. Select an online activated device and click the Modify Netinfo.
- Edit the device IP address and gateway address to the same subnet with your computer.
- **3.** Enter the password and click **OK** to save the network parameters modification.

$\widehat{oxed{1}}$ Note

- The default port No. is 8000.
- The default IP address of the door station is 192.0.0.65.
- After editing the network parameters of device, you should add the devices to the device list again.

6.2 Add Device

You should add device to the software so as to configure the device remotely.

6.2.1 Add Online Device

Before You Start

Make sure the device to be added is in the same subnet with your computer. Otherwise, please edit network parameters first.

Steps

- 1. Click Online Device to select an active online device.
- 2. Click Add.
- **3.** Enter corresponding information, and click **Add**.

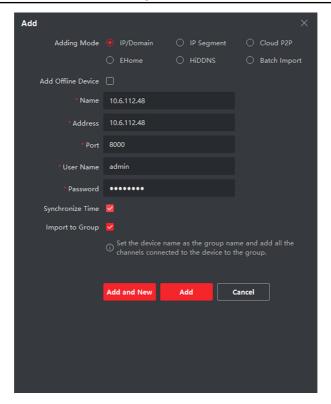


Figure 6-1 Add to the Client

6.2.2 Add Device by IP Address

Steps

- 1. Click +Add to pop up the adding devices dialog box.
- 2. Select IP/Domain as Adding Mode.
- 3. Enter corresponding information.
- 4. Click Add.

6.2.3 Add Device by IP Segment

You can add many devices at once whose IP addresses are among the IP segment.

Steps

- 1. Click +Add to pop up the dialog box.
- 2. Select IP Segment as Adding Mode.
- 3. Enter corresponding information, and click Add.

6.3 Remote Configuration

Select the device, click to configure the parameters remotely.

6.3.1 System

Click **System** on the remote configuration page to display the device information: Device Information, General, Time, System Maintenance, User, and RS-485.

Device Information

Click Device Information to enter device basic information page. You can view basic information (the device type, and serial No.), and version information of the device.

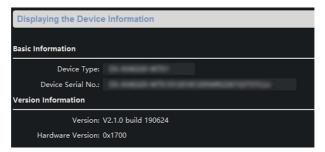


Figure 6-2 Device Information

General

Click **General** to enter device general parameters settings page. You can view and edit the device name and device ID.



Figure 6-3 General

Time

Click **Time** to enter the device time settings page.

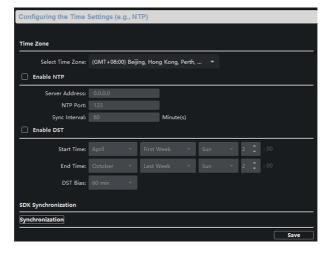


Figure 6-4 Synchronize Time

Select **Time Zone** or **Enable NTP**. Click **Save** to save the time settings.

- Time Zone
 - Select a time zone from the drop-down list menu.
 - Click Synchronization.
- NTP

- Check the checkbox of Enable NTP to enable NTP.
- Enter the server address, NTP port, and synchronization interval.
- DST
 - Check the checkbox of Enable DST to enable DST.
 - Enter the start time and end time of DST, and set the DST bias.

🔃 Note

The default port No. is 123.

System Maintenance

Click **System Maintenance** to enter the page.

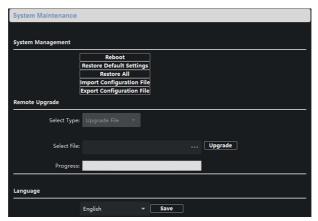


Figure 6-5 System Maintenance

- Click Reboot and the system reboot dialog box pops up. Click Yes to reboot the system.
- Click Restore Default Settings to restore the default parameters.
- Click **Restore All** to restore all parameters of device and reset the device to inactive status.

☐i Note

- Click Restore Default Settings, all default settings, excluding network parameters, will be restored.
- Click Restore All, all default settings, including network parameters, will be restored. The device will be reset to inactivated status.
- Click Import Configuration File and the import file window pops up.
 Select the path of remote configuration files. Click Open to import the remote configuration file. The configuration file is imported and the device will reboot automatically.
- Click Export Configuration File and the export file window pops up.
 Select the saving path of remote configuration files and click Save to export the configuration file.
- Click ... to select the upgrade file and click Upgrade to remote upgrade the device. The process of remote upgrade will be displayed in the process bar.
- Select a language, and click **Save** to change the device system language.

🔃 Note

- The device supports 11 languages: English, Russian, German, Italian, French, Portuguese, Spanish, Turkish, Arabic, Polish, and Vietnamese.
- Rebooting the device is required after you change the system language.

User

Click **User** to enter the user information editing page.

Select the user to edit and click **Modify** to enter the user parameter page.

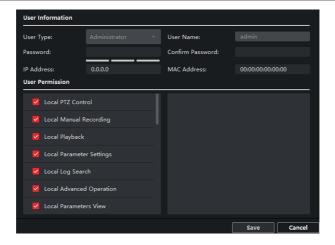


Figure 6-6 User Page

🔃 Note

- The new password and confirm password should be identical.
- After editing the password of device, click refresh button from the device list, the added device will not be there. You should add the device again with new password to operate the remote configuration.

RS-485

Click **RS485** to enter the RS-485 settings page. You can view and edit the RS-485 parameters of the device.



Figure 6-7 RS-485 Settings



For indoor station and main station, there are 3 choices for the working mode: transparent channel, disable, and custom.

6.3.2 Video Intercom

Click **Video Intercom** to enter the Video Intercom Settings page.

Device ID Configuration

Steps

1. Click **ID Configuration** to enter the device ID configuration page.



Figure 6-8 Device No. Configuration

Select the device type from the drop-down list, and set the corresponding information. 🔝 Note

The device type select **Door Station** as default. You can select **Outer Door Station** to change the device type.

3. Click Save to enable the device number configuration.

i Note

- For main door station, the serial No. is 0.
- For sub door station, the serial No. is higher than 0. Serial No. ranges from 1 to 99.
- For each villa or building, at least one main door station should be configured, and sub door stations can be customized.
- For one main door station, at most 8 sub door stations can be customized.

Time Parameters

Steps

1. Click **Time Parameters** to enter time parameters settings page.

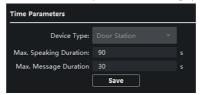


Figure 6-9 Time Parameters

- Configure the maximum ring duration, maximum live view time, and call forwarding time.
- 3. Click Save.



For door station, maximum speaking time and maximum message time should be configured. Maximum speaking time varies from 90 s to 120 s, and maximum message time varies from 30 s to 60 s.

Permission Password

Steps

- 1. Click **Permission Password** to enter the settings page.
- **2.** Select **Type** of the password.
- **3.** Edit the password.
- 4. Click Save to enable the settings.

Access Control and Elevator

Before You Start

- Make sure your door station is in the mode of main door station. Only the main door station support elevator control function.
- Connection between the door station and the elevator controller supports network interface.

Steps

1. Click Access Control and Elevator to enter corresponding configuration page.

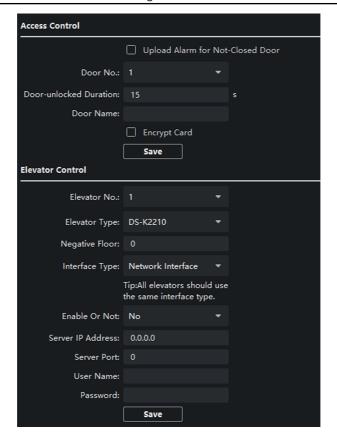


Figure 6-10 Access Control and Elevator

- 2. Set the Access Control parameters.
 - 1) Select the door No.
 - 2) Set the Door-unlocked Duration.
 - 3) Optional: Enable Upload Alarm for Not-Closed Door.
 - 4) Click Save to enable the settings.

$\widehat{\,\,\,\,\,\,\,}$ i $\!\!\,\,$ Note

- The door-unlocked duration ranges from 1 s to 255 s.
- If you check Upload Alarm for Not-Closed Door, an alarm will be triggered automatically if the door is not locked in the configured duration.
- Enabling Card Encrypt, the door station can recognize the encrypted information of the card when you swiping the card on the door station.
- 3. Set the Elevator Control parameters.
 - 1) Select an elevator No., and select an elevator controller type for the elevator.
 - 2) Set the negative floor.
 - Select network interface as interface type. Enter the elevator controller's IP address, port No., user name, and password.
 - 4) Enable the elevator control.

🔃 Note

- Up to 4 elevator controllers can be connected to one door station.
- Up to 10 negative floors can be added.
- Make sure the interface types of elevator controllers, which are connected to the same door station, are consistent.

I/O Input and Output

Steps

1. Click I/O Input and Output to enter the I/O input and output settings page.



Figure 6-11 I/O Input and Output

- 2. Select I/O input No., input mode, output No., and output mode.
- 3. Click Save to enable the settings.

$\widehat{\,\,\,\,\,\,\,}$ i $\!\!\!\,$ Note

- For door station, there are 4 I/O input terminals. By default, Terminal 1 and 2 correspond to Door Status. Terminal 3 and 4 correspond to interfaces of Door Switch.
- For door station, there are 2 I/O Output Terminals. Terminal 1 and 2 correspond to Door interfaces (NO1/COM/NC1; NO2/COM/NC2) of door station. Door 1 is enabled by default. You can enable/disable IO Out according to needs.

Volume Input and Output

Steps

- 1. Click Volume Input/Output to enter the volume input and output page.
- 2. Slide the slider to adjust the Volume Input and Volume Output.
- 3. Click Save to enable the settings.

Face and Fingerprint Settings

Steps

- 1. Click Face and Fingerprint to enter the settings page.
- 2. Configure the parameters.
- 3. Click Save to enable the settings.

Advertisement Settings

- 1. Click **Advertisement** to enter the settings page.
- 2. Select the Mode.
- 3. Click + to add the picture.
- 4. Slide to set the duration.
- 5. Click **Save** to enable the settings.

 $\widehat{\,\,\,\,\,\,\,}$ i $\!\!\,\,$ l Note

- Up to 5 pictures can be added. Picture formats requires JPG. The size of the
 pictures should be less than 1MB. The switching duration of the picture
 ranges from 1 to 10 seconds. Refers to the Appendix C for the details.
- When the device has no ads, the default picture displayed on the main page.

6.3.3 Network Settings

Click Network to enter the Network Settings page.

Local Network Configuration

Steps

1. Click Local Network Configuration to enter local network configuration page.

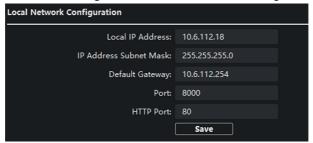


Figure 6-12 Local Network Configuration

- 2. Enter the Local IP Address, Subnet Mask, Default Gateway, Port and HTTP Port.
- 3. Click Save to enable the settings.

🔃 Note

- The default port No. is 8000.
- After editing the local network parameters of device, you should add the devices to the device list again.

Linked Device Network Configuration

Before You Start

On the linked devices network configuration page, you can configure the network parameters of main stations, SIP servers and management centers of the same LAN. The devices can be linked to the door station and realize the linkage between these devices.

Steps

- 1. Click Linked Network Configuration to enter linked network configuration page.
- Enter the main Station IP Adderss, (Main) Door Station IP Address, SIP Server IP Address, Security Control Panel IP Address and Port No.
- **3.** Select the main door station type from the drop-down list.
- 4. Click Save to enbale the settings.

i Note

- After adding main station IP Address, the linkage between indoor station and main station can be realized.
- After adding the door station IP Address, the video intercom between indoor stations of same building can be realized.
- After adding SIP Server Address IP, the video intercom of same community: video intercom between indoor stations of different building, calling indoor station from outer door station and video intercom between management center and indoors.
- After adding management center IP Address, the events can be uploaded to the management center.
- For indoor extension, only parameter about the main indoor station should be configured.

FTP

After configuring the FTP parameters, the captured pictures of door station will be uploaded to the FTP server automatically.

Steps

1. Click FTP to enter the FTP parameters settings page.

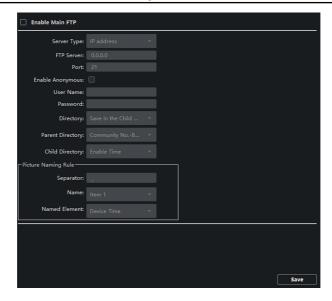


Figure 6-13 FTP Settings

- 2. Enable Enable Main FTP.
- **3.** Select IP address from the drop-down list of server mode.
- 4. Enter the FTP server address, and port No.
- 5. Optional: Enable the anonymity.
- 6. Enter the name and password.
- Select the directory structure and set the separator, naming item, and naming element.
- 8. Click Save to enable the settings.

🔟 Note

- The default port No. is 21.
- To enable anonymity or not is according to whether the FTP server enables anonymity.

Advanced Settings

Steps

1. Click **Advanced Settings** to enter the advanced network settings page.



Figure 6-14 Advanced Settings

- 2. Enter the DNS server addresses.
- 3. Click Save to enable the settings.

6.3.4 Video Display Settings

Click Video Display to enter the Video Display Settings page.

Video Parameters

Steps

1. Click Video Parameters to enter the video parameters settings page.

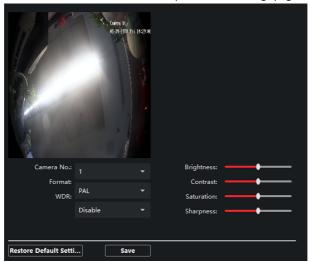


Figure 6-15 Video Parameters

- 2. Select the Camera No.
- 3. Select the video standard (PAL and NTSC can be selected).
- 4. Optional: Enable WDR mode.
- 5. Set the **Brightness**, **Contrast**, **Saturation** and **Sharpness** of the video.
- 6. Click Save.

i Note

Click **Restore Default Settings** to restore all video parameters excluding network parameters to the factory settings.

Video & Audio

Steps

1. Click Video & Audio to enter the video parameters settings page.

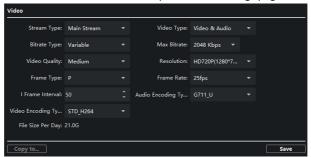


Figure 6-16 Video & Audio

- 2. Set the parameters.
- 3. Click Save.

🔃 Note

It's suggested to keep the default settings to ensure the video/image quality.

6.4 Device Management

Device management includes device activation, adding device, editing device, and deleting device, and so on.

After running the iVMS-4200, video intercom devices should be added to the client software for remote configuration and management.

6.5 Organization Management

On the main page of the Client Software, click PersonalManagement to enter the configuration page.

6.5.1 Add Organization

Steps

- 1. In the organization list on the left, click +Add.
- 2. Enter the Organization Name as desired.
- 3. Click OK to save the adding.
- Optional: You can add multiple levels of organizations according to the actual needs.
 - 1) You can add multiple levels of organizations according to the actual needs.
 - Then the added organization will be the sub-organization of the upper-level organization.

🔃 Note

Up to 10 levels of organizations can be created.

6.5.2 Modify and Delete Organization

You can select the added organization and click \blacksquare to modify its name.

You can select an organization, and click **X** button to delete it.

📜 i Note

- The lower-level organizations will be deleted as well if you delete an organization.
- Make sure there is no person added under the organization, or the organization cannot be deleted.

6.6 Person Management

After adding the organization, you can add person to the organization and manage the added person such as issuing cards in batch, importing and exporting person's information in batch, etc.

i Note

- Up to 2,000 persons can be added.
- Up to 5 cards can be added to each person.

6.6.1 Add Person

Person information is necessary for the video intercom system. And when you set linked device for the person, the intercom between intercom devices can be realized.

Steps

 Select an organization in the organization list and click Add on the Person panel to pop up the adding person dialog.

i Note

The Person No. will be generated automatically and is editable.

- 2. Set basic person information.
 - 1) Enter basic information: name, gender, tel, birthday details, effective period and email address.

i Note

The length of person name should be less than 15 characters.

2) Click **Add** face to upload the photo.

i Note

The picture should be in *.jpg format.

Click Upload Select the person picture from the local PC to

upload it to the client.

Click Take Phone Take the person's photo with the PC camera.

Click Remote Take the person's photo with the collection device.

3. Issue the card for the person.

Collection

- 1) Click Credential → Card.
- 2) Click + to pop up the Add Card dialog.

- 3) Select Normal Card as Card Type.
- 4) Enter the Card No.
- 5) Click **Read** and the card(s) will be issued to the person.
- **4.** Link the device to the person.
 - 1) Set the linked devices.

Linked Device

You can bind the indoor station to the person.

i Note

If you select **Analog Indoor Station** in the Linked Device, the **Door Station** field will display and you are required to select the door station to communicate with the analog indoor station.

Room No.

You can enter the room No. of the person.

- 2) Click **OK** to save the settings.
- 5. Click Add to save the settings.

6.6.2 Modify and Delete Person

Select the person and click Edit to open the editing person dialog.

To delete the person, select a person and click **Delete** to delete it.

🔃 Note

If a card is issued to the current person, the linkage will be invalid after the person is deleted.

6.6.3 Import and Export Person Information

The person information can be imported and exported in batch.

- Exporting Person: You can export the added persons' information in Excel format
 to the local PC.
 - After adding the person, you can click Export Person to pop up the following dialog.
 - 2) Click ... to select the path of saving the exported Excel file.

- 3) Check the checkboxes to select the person information to export.
- 4) Click **OK** to start exporting.
- 2. Importing Person: You can import the Excel file with persons information in batch from the local PC.
 - 1) Click Import Person.
 - You can click **Download Template for Importing Person** to download the template first.
 - 3) Input the person information to the downloaded template.
 - 4) Click ... to select the Excel file with person information.
 - 5) Click **OK** to start importing.

6.6.4 Get Person Information from Device

If the added device has been configured with person information (including person details, fingerprint, issued card information), you can get the person information from the device and import to the client for further operation.

Steps

i Note

This function is only supported by the device the connection mothod of which is TCP/IP when adding the device.

- 1. In the organization list on the left, click to select an organization to import the persons.
- 2. Click **Get from Device** to pop up the dialog box.
- 3. The added device will be displayed.
- Click to select the device and then click **Get** to start getting the person information from the device.

🔃 i Note

- The person information, including person details, person's fingerprint information (if configured), and the linked card (if configured), will be imported to the selected organization.
- If the person name stored in the device is empty, the person name will be filled with the issued card No. after importing to the client.
- The gender of the persons will be Male by default.

6.6.5 Change Person to Other Organization

You can move the person to another organization if needed.

Steps

- 1. Select the person in the list and click Change Organization.
- **2.** Select the organization to move the person to.
- **3.** Click **OK** to save the settings.

6.6.6 Add Person in Batch

Enter a short description of your task here (optional).

Before You Start

Enter the prerequisites here (optional). Enter the context of your task here (optional).

Steps

Enter your first step here.
 Enter the result of your step here (optional).

Example

Enter an example that illustrates the current task (optional).

What to do next

Enter the tasks the user should do after finishing this task (optional).

6.6.7 Issue Card in Batch

You can issue multiple cards for the person with no card issued in batch.

Steps

1. Click **Batch Issue Cards** to enter the dialog page. All the added person with no card issued will display in the Person(s) with No Card Issued list.

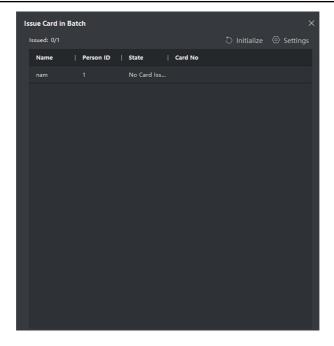


Figure 6-17 Issue Card in Batch

2. Click Settings.

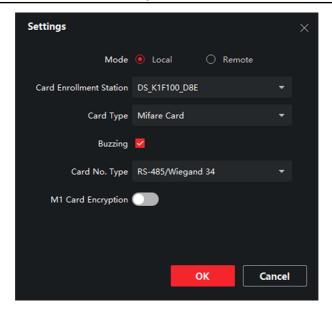


Figure 6-18 Card Settings

- 3. Select Card Type and Card No. Type.
- 4. Click **OK** to save the settings.

Result

After issuing the card to the person, the person and card information will display in the Person(s) with Card Issued list.

6.6.8 Permission Settings

Add Permissions

- On the main page, click AccessControlInfo → Access Group to enter the page.
- 2. Click +Add to pop up the adding dialog box.
- 3. Configure the parameters.
 - 1) Enter the **Name** of the permission.

- 2) Select the **Template** of the schedule.
- 3) Check the person to **Selected** according to your needs.
- 4) Check the device to **Selected** according to your needs.
- 4. Click Save.
- Check the permission and click Apply All to Device.The status of the permission displays as Applied.
- 6. Optional: Click Applying Status to check the details.

Modify/Delete Permissions

On the page of the permission settings, click \blacksquare to edit the parameters of the permission.

Select one or more permissions, click **Delete** to remove the permissions.

6.7 Video Intercom Settings

The Video Intercom Management module provides the function of video intercom, checking call logs and managing notice via the iVMS-4200 Client Software.

i Note

For the user with access control module permissions, the user can enter the Access Control module and manage video intercom and search information.

You should add the device to the software and configure the person to link the device in Access Control module before your configuration remotely.

On the main page, click AccessControlInfo → Video Intercom → Video Intercom on the left bar to enter the Video Intercom page.

6.7.1 Receive Call from Door Station

- Select the client software in the device page to start calling the iVMS-4200 Client Software and an incoming call dialog will pop up in the client software.
- 2. Click **Answer** to answer the call. Or click **Hang Up** to decline the call.
- 3. After you answer the call, you will enter the In Call window.

- Click to adjust the volume of the loudspeaker.
- Click **Hang Up** to hang up the dialog.
- Click to open the door remotely.

🔟 Note

- One video intercom device can only connect with one client software.
- The maximum ring duration can be set from 15s to 60s via the Remote Configuration of the video intercom device.
- The maximum speaking duration between indoor station and iVMS-4200 can be set from 120s to 600s via the Remote Configuration of indoor station.
- The maximum speaking duration between door station and iVMS-4200 can be set from 90s to 120s via the Remote Configuration of door station.

6.7.2 Live View via Door Station

Steps

- On the main page of the client software, click Main View to enter the Live View page.
- 2. In the left list of the window, double-click the device IP or click the play icon to live view.
- **3. Optional:** On the Live View page, control-click and select **Capture** to get the picture of the live view.

6.7.3 Release Notice

You can create different types of notices and send them to the residents. Four notice types are available, including Advertising, Property, Alarm and Notice Information.

Before You Start

Make sure the person has been added to the client.

- 1. On the video intercom settings page, click **Notice** to enter the page.
- 2. Click +Add to pop up the adding dialog box.
- 3. Select the person according to your needs.

- 4. Edit the Subject, Type and Information.
- 5. Click View to select the picture.
- 6. Click Send.

i Note

- Up to 63 characters are allowed in the Subject field.
- Up to 6 pictures in the JPGE format can be added to one notice. And the maximum size of one picture is 512KB.
- Up to 1023 characters are allowed in the Information field.

6.7.4 Search Video Intercom Information

Search Call Logs

Steps

1. On the Video Intercom page, click Call Log to enter the page.

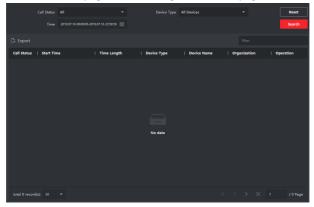


Figure 6-19 Search Call Logs

Set the search conditions, including call status, device type, start time and end time.

Call Status

Click V to unfold the drop-down list and select the call status as **Dialed**, **Received** or **Missed**. Or select **All** to search logs with all statuses.

Device Type

Click V to unfold the drop-down list and select the device type as **Indoor Station**, **Door Station**, **Outer Door Station** or **Analog Indoor Station**. Or select **All Devices** to search logs with all device types.

Start Time/End Time

Click the time icon to specify the start time and end time of a time period to search the logs.

Reset the Settings Click **Reset** to reset all the configured search conditions.

- 3. Click **Search** and all the matched call logs will display on this page.
- **4. Optional:** Check the detailed information of searched call logs, such as call status, ring/speaking duration, device name, resident organization, etc.
- 5. Optional: Input keywords in the Search field to filter the desired log.
- **6. Optional:** Click **Export** to export the call logs to your PC.

Search Notice

Steps

- 1. On the Video Intercom page, click **Notice** to enter the page.
- 2. Set the search conditions, including notice type, start time and end time.

Type

Select **Advertising Information**, **Property Information**, **Alarm Information** or **Notice Information** as **Type** according to your needs.

Start Time/End Time

Click the time icon to specify the start time and end time of a time period to search the logs.

Reset the Settings Click **Reset** to reset all the configured search conditions.

- 3. Click **Search** and the matched notice will display on this page.
- 4. Optional: Click Export to export the notices to your PC.

