

DS-KH6320-WTDE1 Series Network Indoor Station

Operation Guide

Legal Information

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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 (<u>https://</u>

www.hikvision.com/).

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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				
Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.				
A Caution	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.)

- 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.
- Input voltage should meet both the SELV and the Limited Power Source according to 60950-1 standard.
- The power supply must conform to LPS. The recommended adaptor models and manufacturers are shown as below. Use the attached adapter, and do not change the adaptor randomly.

Model	Manufacturer	Standard
ADS-24S-12 1224GPCN	SHENZHEN HONOR ELECTRONIC CO.,LTD	CEE
G0549-240-050	SHENZHEN GOSPELL DIGITAL TECHNOLOGY CO.,LTD	CEE
TS-A018-120015Ec	SHENZHEN TRANSIN TECHNOLOGIES CO., LTD	CEE

Regulatory Information

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, RE Directive 2014/53/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
- 2. 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.

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Chapter 1 About this Manual

Get the manual and related software from or the official website (http://www.hikvision.com).

Product	Model		
Network Indoor Station	DS-KH6320-WTDE1		

Chapter 2 Local Operation

2.1 Call Settings

2.1.1 Add Contact

Steps

1. Tap **Call** \rightarrow **e** to enter the contact list page.

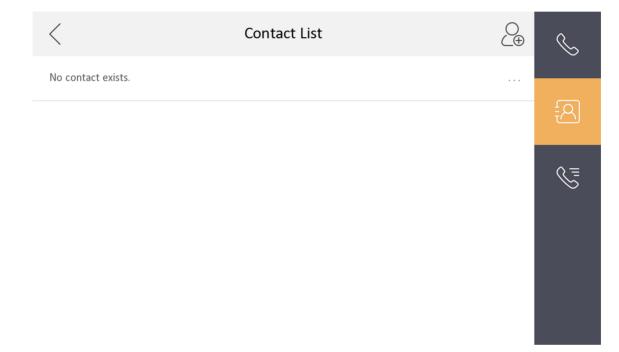


Figure 2-1 Contact List

- **2.** Tap 🚴 to pop up the contact adding dialog.
- **3.** Enter the contact name and the room No.
- 4. Tap OK to save the settings.

i Note

Up to 200 contacts can be added.

2.1.2 Call Resident

Steps

1. Tap **Call** \rightarrow **Solution** to enter the residents calling page.

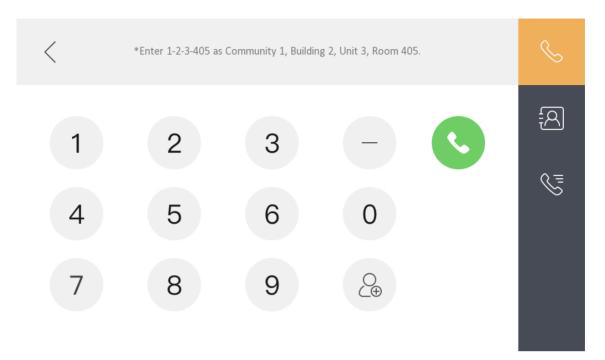


Figure 2-2 Call Resident

2. Enter the calling number.

The calling number format should be x-x-x-xxx. For example, the calling number of Community 1, Building 2, Unit 3, and Room 405 is 1-2-3-405.

iNote

The community No. can be omitted.

3. Tap the call button to start an audiovisual call.

2.1.3 Call Indoor Extension/Indoor Station

If you install indoor station and indoor extensions at home, you can call the indoor extension via your indoor station, and vice versa.

- Enter [O-indoor extension No.] on the indoor station to start calling.
- Enter [0-0] to call the indoor station from the indoor extension.

2.1.4 Receive Call

The indoor station and indoor extension can receive calls from the analog doorphone, the door station, the main station or iVMS-4200 Client.

On the call from door station page, there are 2 unlock buttons: Unlock 1, and Unlock 2. When you tap **Unlock 1**, the building gate will open by default, and when you tap **Unlock 2**, the door connected to the door station with the secure control door unit will open.

Tap the capture button to capture and save the live view picture when speaking with the door station.

On the call from the analog doorphone page, you can tap the unlock button to open the connected door lock and tap the capture button to capture and save the live view pictures.



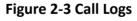
- The indoor extension can connect to indoor station with network cables. After connecting, the indoor extension can receive calls from devices that linked to the indoor station.
- The indoor extension can link to analog doorphones independently and receive calls from linked doorphones.

2.1.5 View Call Logs

Steps

1. Tap **Call** \rightarrow **one of the call log page.**

<	Call Log	S
No Call Log.		
		Æ
		S≞



2. Tap a piece of call logs in the list to call back.

iNote

- The indoor station saves call logs from analog doorphones, door stations, outer door stations, management center and other indoor stations.
- Hold a piece of call logs to open the call logs handling menu. Tap **Delete** to delete the piece of call logs. Tap **Clear** to delete all pieces of call logs.

2.2 Leave Message

You can set leave message, and view the messages.

Tap Settings \rightarrow \bigcirc \rightarrow Shortcut Settings , and enable Leave Message.

Set Leave Message Time as 1 day, 7 days or 30 days.

Tap **Message** \rightarrow or to view the visitor messages.

2.3 Live View

On the live view page, you can view the live video of added door station and network camera.

Steps

iNote

- Make sure the network camera or door station is well-connected.
- Make sure the indoor extension and the indoor station are well-connected.
- If the main indoor station uses V2.2.4 or later firmware, and the indoor extension uses firmware earlier than V2.2.4, there will be some restriction:

a. Indoor extension can only live view doorphone 1 and cannot live view doorphone 2. So it is better to use both indoor station and extension with same model and firmware.

b. Indoor extension can only unlock doorphone1 and intercom function cannot be enabled in live view page.

c. Analog doorphone and indoor extension cannot be live viewed in Hik-Connect App at the same time.

d. When calling from analog doorphone, the main indoor station will show the real number, while the indoor extension will only show **main doorphone** in call log (in order to be compatible with the old version indoor extension).

e. The indoor extension supports switching IPC when video intercoming with door stations but the main indoor station does not support. (Unblockable for compatibility with old versions.)

1. Tap Live View to enter the live view page.

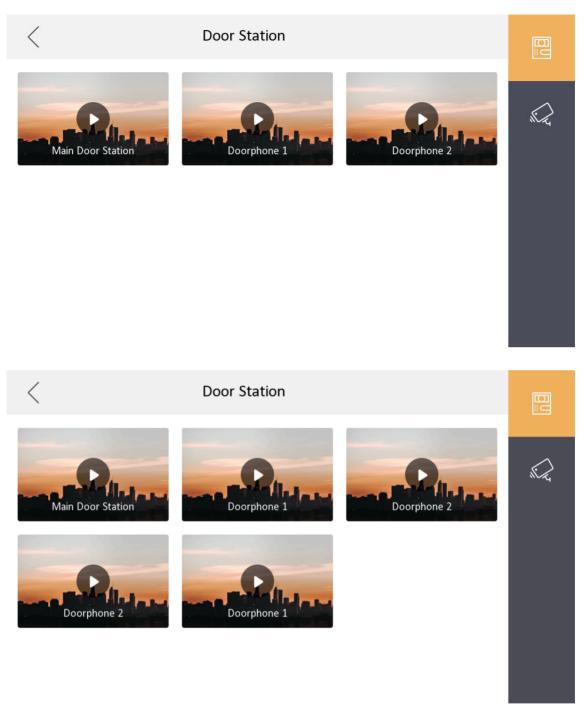


Figure 2-4 Live View

iNote

- The indoor extension can connect to indoor station with network cables. After connecting, the indoor extension can view related devices that linked to the indoor station.
- The indoor extension can link to analog doorphones independently and view linked doorphones.
- 2. Tap 🖪 to enter the live view page of door station.

iNote

- On the Call from Door Station page, there are 2 unlock buttons: Unlock 1, and Unlock 2. When you tap **Unlock 1**, the building gate will open by default. When you tap **Unlock 2**, the door station connected door will open.
- On the **Call from Door Station** page, there are 1 capture button. You can tap the button to capture the picture via door station.
- On the Call from Analog Doorphone page, there are 1 unlock button and 1 capture button. You can tap the buttons to unlock the connected door or capture pictures.
- **3.** Tap **a** to enter the live view page of network cameras.

2.4 Arm/Disarm

The indoor station has four kinds of scene modes: sleeping mode, stay mode, away mode, and custom mode. You can arm or disarm your room in each scene mode manually. The selected scene mode will be displayed on the main page of the indoor station.

iNote

You should create an Arm/Disarm Password first.

2.4.1 Arm Room

Steps

_____iNote

Only when the Alarm shortcut function is enabled, should the call center button be displayed. For details, see the configuration guide.

1. Tap **a** on the home page to enter the scene page.

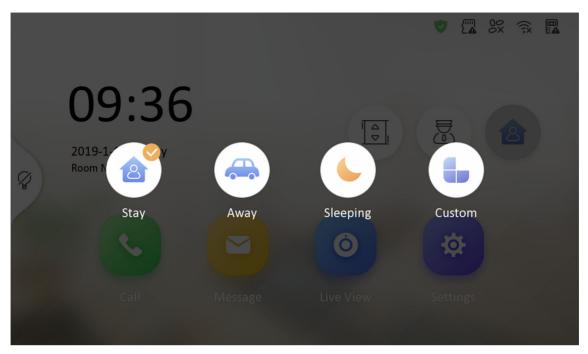


Figure 2-5 Arm Settings page

2. Select Stay, Away, Sleeping or Custom.

3. Enter the arm/disarm password to enable the scene.

iNote

You can set the arm/disarm password in the general settings. For details, see the configuration guide.

4. Tap OK.

iNote

You can also tap \bigcirc **One-Push to Arm** at the upper right corner of the home page to enable the scene.

2.4.2 Disarm Room

Steps

1. Tap \bigtriangledown \rightarrow **One-Push to Disarm** at the upper-right corner of the home page to disarm.

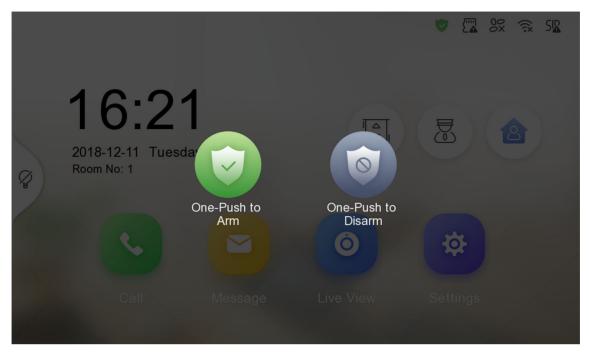


Figure 2-6 Disarm Room

2. Enter the arm/disarm password.

iNote

You can set the arm/disarm password in the general settings. For details, see the configuration guide.

3. Tap OK.

2.5 Arming Mode Settings

4 arming modes can be configured: stay mode, away mode, sleeping mode and custom mode.

Before You Start

Tap Settings \rightarrow \bigcirc \rightarrow Shortcut Settings to enable Alarm.

Steps

iNote

On the home page, the arming status function and zone settings function are hidden by default. You should enable the alarm function first.

- 1. Back to the home page, tap Settings → Scene Settings to enter the arming mode settings page.
- 2. Tap Stay Mode, Away Mode, Sleeping Mode, or Custom to enter the page.
- **3.** Arm the selected zone.

iNote

- Zones are configurable on the arming mode page.
- Smoke detector zone and gas detector zone will be triggered even if they are disabled.

2.6 Call Elevator

The indoor station supports calling the elevator.

Before You Start

Enable call elevator via iVMS-4200 Client Software.

Steps

1. Tap **Settings** \rightarrow **Shortcut Settings** to enable **Call Elevator**.

<	Shortcut Settings
Call Elevator	
Alarm	
Call Management Center	
Leave Message	
Leave Message Time	1 day >
Snapshot	

Figure 2-7 Call Elevator

- 2. Tap 🗈 on the home page of the indoor station to start calling the elevator.
- **3.** When the device communicates with door station, tap unlock icon to start calling the elevator.

2.7 Relay Settings

After you set the output parameters and display the relay button on the main page, you can control the relay manually.

Steps

1. Tap **Settings** \rightarrow **Output Settings** and disable **Hide on Main Page** function.

- 2. Back to the main page and tap (...).
- **3.** Select a relay to enable or disable, the control device will start/stop working.

2.8 Information Management

You can view public notice, visitor message, alarm log and capture log on information management page.

Tap **Message** on the home page to enter the information management page. (Here takes the alarm log page as an example.)

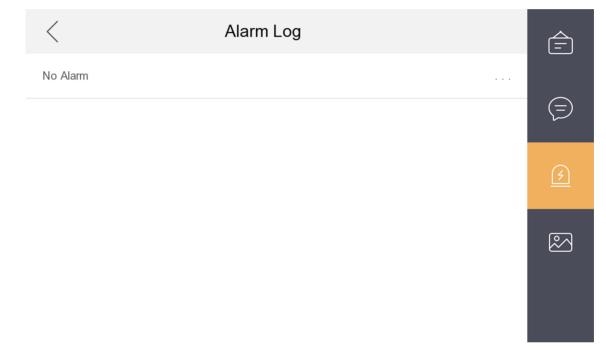


Figure 2-8 Alarm Logs

Delete a Log: Hold the item, you can delete it.

Clear Logs: Hold the item, you can clear all logs.

See Details: Hold a alarm log, you can see the alarm details.

iNote

Indoor extension only supports alarm log and capture log.

Chapter 3 Remote Operation via the client software

The Video Intercom module provides remote control and configuration on video intercom products via the iVMS-4200 client software.

3.1 Call Indoor Station

Steps

1. On the main page, click Access Control → Video Intercom to enter the Video Intercom page.

2. Select a resident and click in the Call Household column to start calling the selected resident.

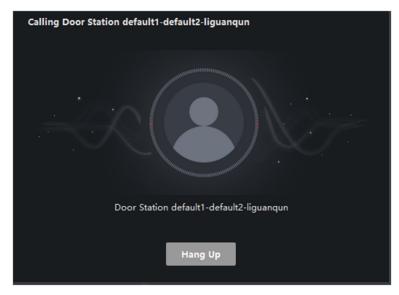


Figure 3-1 Calling Indoor Station

- 3. After answered, you will enter the In Call window.
 - Click of to adjust the volume of the loudspeaker.
 - Click Hang Up to hang up.
 - Click I to adjust the volume of the microphone.

iNote

- One indoor station can only connect with one client software.
- You can set the maximum ring duration ranging from 15s to 60s, and the maximum speaking duration ranging from 120s to 600s via the Remote Configuration of indoor station.

3.2 Receive Call from Indoor Station/Door Station

Steps

1. Select the client software in the indoor station or door station page to start calling the client and an incoming call dialog will pop up in the client software.

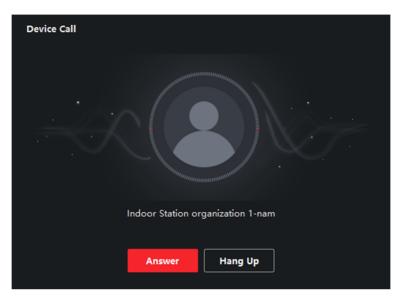


Figure 3-2 Incoming Call from Indoor Station

- 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.
 - Click 🛽 to adjust the volume of the microphone.
 - For door station, you can click 🖪 to open the door remotely.

iNote

- 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 client can be set from 120s to 600s via the Remote Configuration of indoor station.
- The maximum speaking duration between door station and client can be set from 90s to 120s via the Remote Configuration of door station.

3.3 View Live Video of Door Station and Outer Door Station

You can get the live view of the door station and outer door station in the Main View module and control the door station and outer door station remotely.

In the Main View module, double-click a door station or outer door station device or drag the device to a display window to start the live view.

You can click **Unlock** on the menu to open the door remotely.

3.4 View Call Logs

You can check all the call logs, including dialed call logs, received call logs and missed call logs. You can also directly dial via the log list and clear the logs.

Steps

- **1.** On the main page, click **Access Control** → **Video Intercom** to enter the Video Intercom page.
- **2.** Click the Call Log tab to enter the Call Log page. All the call logs will display on this page and you can check the log information, e.g., call status, start time, resident's organization and name, device name and ring or speaking duration.

Call Sta	atus All	•	Device Type	All Devices	•		Reset
Ті	ime 2019.07.16 00:00:00-2019	1.07.16 23:59:59 🛗					Search
🗅 Export							
Call Status Start	t Time	Time Length	Device Type	Device Name	Organiza	ation	Operation
			No data				
total 0 record(s) 30	-			«	< < >	> > 1	/ O Page

Figure 3-3 Call Log

3. Optional: Click the icon in the Operation column to re-dial the resident.

3.5 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.

Steps

1. On the main page, click Access Control → Video Intercom to enter the Video Intercom page.

2. Click Notice to enter the Release Notice page.

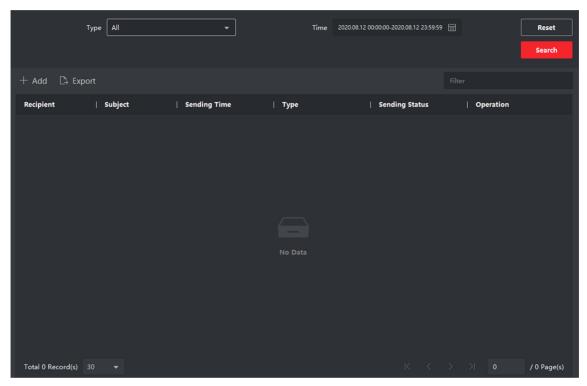


Figure 3-4 Release Notice

3. Click Add on the left panel to create a new notice.

Create Notice		×
Send to		
Subject		
Туре	Advertising Information 🔹	
Picture	View	
Information		
	Send Clear	

Figure 3-5 Create a Notice

- **4.** Edit the notice on the right panel.
 - 1) Click ... on the Send To field to pop up the Select Resident dialog.
 - 2) Check the checkbox(es) to select the resident(s). Or you can check the **All** checkbox to select all the added residents.
 - 3) Click **OK** to save the selection.
 - 4) Enter the subject on the Subject field.

iNote

Up to 63 characters are allowed in the Subject field.

- 5) Click \checkmark in the Type field to unfold the drop-down list and select the notice type.
- 6) **Optional:** Click **View** to add a local picture to the notice.

iNote

Up to 6 pictures in the JPGE format can be added to one notice. And the maximum size of one picture is 512KB.

- 7) Enter the notice content in the Information field.
- 8) **Optional:** You can also click **Clear** to clear the edited content.

iNote

Up to 1023 characters are allowed in the Content field.

5. Click **Send** to send the edited notice to the selected resident(s). The sent notice information will display on the left panel. You can click a notice to view the details on the right panel.

3.6 Search Video Intercom Information

You can search the call logs between the iVMS-4200 client software and video intercom devices, device unlocking logs and the sent notice information.

On the main page, click Access Control to enter the access control module.

In the Access Control module, click Video Intercom to enter the Video Intercom page.

3.6.1 Search Call Logs

Steps

1. On the main page, click **Access Control** \rightarrow **Video Intercom** to enter the Video Intercom page.

2. Click Call Log to enter the Call Log page.

	Call Status	All	-	Device Type	All Devices	•	Reset
	Time	2019.07.16 00:00:00-2019	9.07.16 23:59:59 🛗				Search
🗅 Export							
Call Status	Start Tim	ne	Time Length	Device Type	Device Name	Organization	Operation
				No data			
total 0 recore	d(s) 30	-				к < >	> 1 / 0 Page

Figure 3-6 Search Call Logs

3. 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 vert 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 🛅 to specify the start time and end time of a time period to search the logs.

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

3.6.2 Search Notice

Steps

1. On the main page, click **Access Control** \rightarrow **Video Intercom** to enter the Video Intercom page.

2. Click Notice to enter the Notice page.

r	ype All	•	Time	2019.07.16 00:00:00-2019.07.16 23:59:59		Reset
						Search
+ Add 🗅 Expo	ort					
Recipient	Subject	Sending Time	Туре	Sending Status	Opera	tion
			No data			
total 0 record(s) 30) 🔻			K <	> >	0 / 0 Page

Figure 3-7 Search Notice

3. Set the search conditions, including notice type, subject, recipient, start time and end time.

Recipient

Input the recipient information in the Recipient field to search the specified notice.

Subject

Input the keywords in the Subject field to search the matched notice.

Туре

Click vertice to unfold the drop-down list and select the notice type as **Advertising Information**, **Property Information**, **Alarm Information** or **Notice Information**. Or select **All** to search notices with all types.

- 4. Optional: You can click Reset to reset all the configured search conditions.
- 5. Click Search and all the matched notices will display on this page.
 - Check the detailed information of searched notices, such as sending time, sending status, etc.
 - Input keywords in the Search field to filter the searching result.

- **6.** You can view and edit the notice details, check the sending failed/sent succeeded/unread users, and resend the notice to sending failed/unread users.
- 7. Optional: Click Export to export the notices to your PC.

Appendix A. Communication Matrix and Device Command

Communication Matrix

Scan the following QR code to get the device communication matrix. Note that the matrix contains all communication ports of Hikvision access control and video intercom devices.



Figure A-1 QR Code of Communication Matrix

Device Command

Scan the following QR code to get the device common serial port commands. Note that the command list contains all commonly used serial ports commands for all Hikvision access control and video intercom devices.



Figure A-2 Device Command

