DS-KM9503 Main Station

User Manual

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.	
Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.	
iNote	Provides additional information to emphasize or supplement important points of the main text.	

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.

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
- 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

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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 Appearance

Front Panel

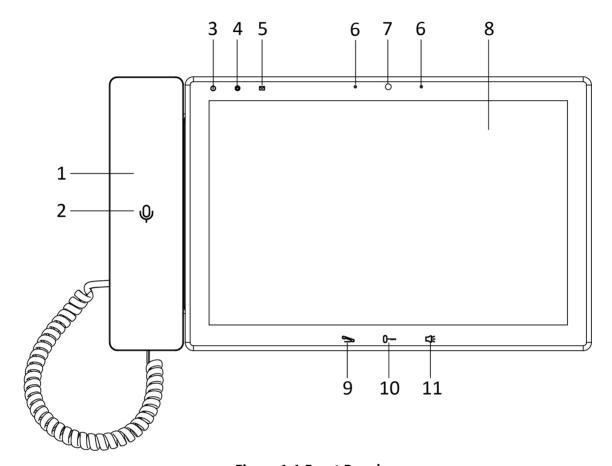


Figure 1-1 Front Panel

Table 1-1 Description

No.	Description	No.	Description
1	Phone	7	Camera
2	Phone Indicator(Reserved)	8	Screen
3	Power Indicator	9	Call/Hang Up Button
4	Alarm Indicator	10	Unlock Button
5	Information Indicator	11	Speaker Button
6	Microphone		

iNote

You can hold the unlock button to unlock lock 1, and press the unlock button to unlock lock 2.

Top Panel and Rear Panel

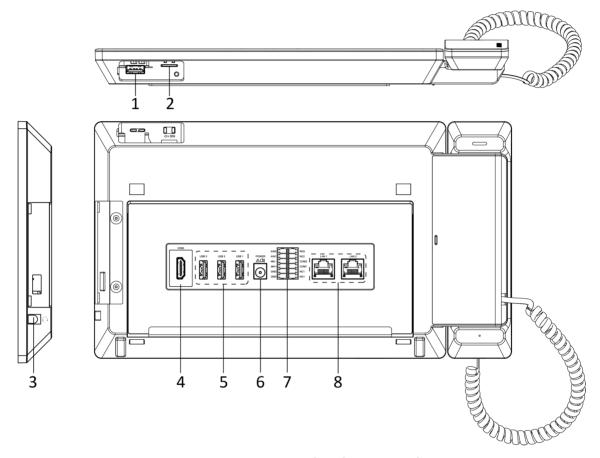


Figure 1-2 Top Panel and Rear Panel

Table 1-2 Description

No.	Description	No.	Description
1	Goose Neck Microphone Port	5	USB Interface
2	SD Card Slot	6	Power Interface
3	Earphone Interface	7	Terminals (Reserved)
4	HDMI	8	Network Interface

Speaker(Optional)

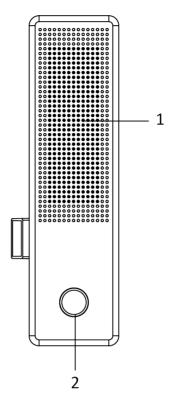


Figure 1-3 Speaker

Table 1-3 Description

Description	No.	Description
\$ peaker	2	Fingerprint Module

Chapter 2 Terminal Description

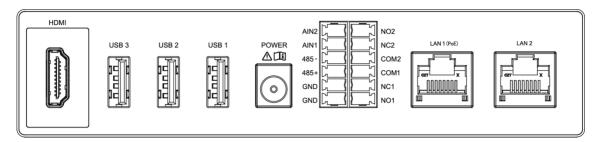


Figure 2-1 Terminal Description

Table 2-1 Terminal Description

Name	Interface	Description
Video Interface	HDMI	HDMI Signal Output
USB Interface	USB 1	USB Interface
	USB 2	Note
	USB 3	USB3 is used to debugging only. It cannot connect to USB flash drive.
Power Interface	POWER	12 VDC Power Input
Terminal (Reserved)	NO1	Alarm Output 1(NO)
	NC1	Alarm Output 1(NC)
	СОМ1	Common Interface
	NO2	Alarm Output 2(NO)
	NC2	Alarm Output 2(NC)
	СОМ2	Common Interface
	AIN1	Alarm Input 1
	AIN2	Alarm Input 2
	485+	RS-485 Communication Interfaces
	485-	
	GND	Grounding
	GND	Grounding

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Name	Interface	Description
Network Interface	LAN1(PoE)	Network Interface (Support PoE)
	LAN2	Network Interface (Reserved)

Chapter 3 Installation

- Make sure the device in the package is in good condition and all the assembly parts are included.
- The power supply the door station support 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 Table Bracket(Optional)

The device supports table mounting and wall mounting. The dimensions of the table bracket(optional) is shown as below.

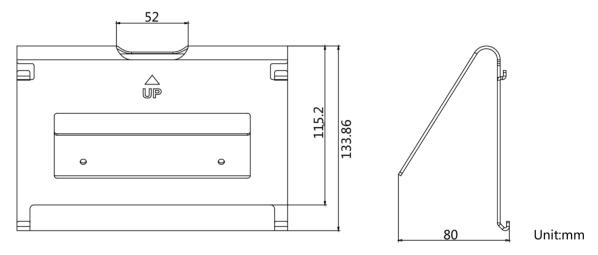


Figure 3-1 Table Bracket

3.2 Accessory Installation(Optional)

Before installing the device on the wall or on the table, you should install the accessories first.



Ask our technique supports and sales and purchase mounting plate, speaker and goose neck microphone.

3.2.1 Install Speaker

Steps

1. Loose 2 screws on the rear panel of the device.

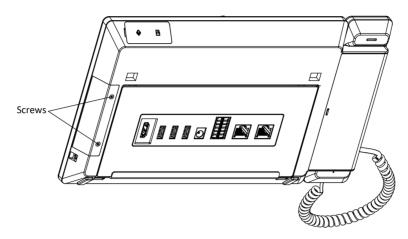


Figure 3-2 Loose the screws

2. Remove the cover from the device and install the speaker to the main station.

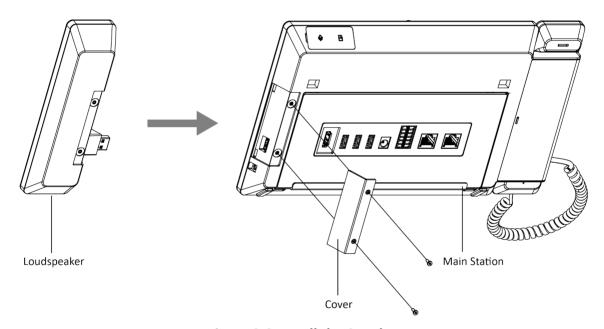


Figure 3-3 Install the Speaker

3. Use 4 screws to secure the speaker to the main station with the cover.

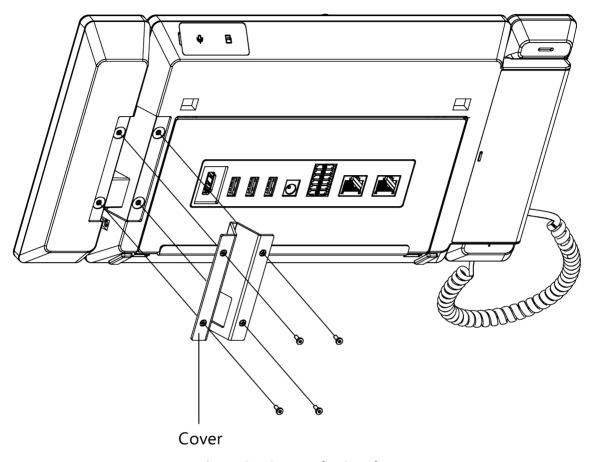


Figure 3-4 Secure the Speaker



- The speaker and earphone can not be used at the same time. If you want to use the earphone, you should remove the speaker.
- When using earphones, the small size of the earphone plug should be selected. The size of the plug should be smaller than 7 mm.

3.2.2 Install Goose Neck Microphone

If you want to use the goose neck microphone to create two-way audio communication.

Steps

- 1. Remove the cover of the device on the top panel.
- 2. Insert the goose neck microphone to the interface.

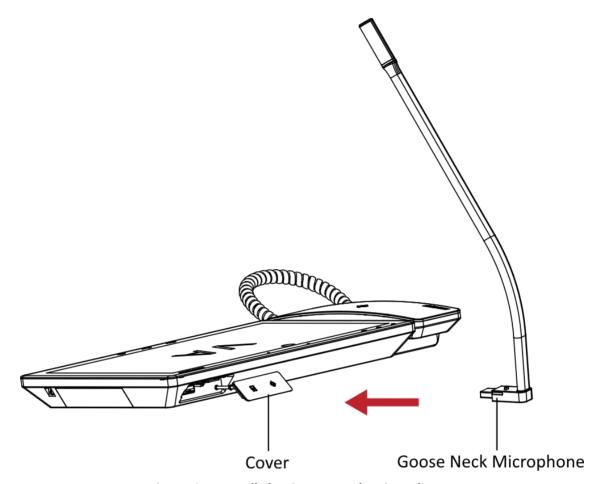


Figure 3-5 Install the Goose Neck Microphone

3.3 Wall Mounting

Before You Start



- Tools that you need to prepare for installation: Drill (6).
- Make sure all the related equipment is power-off during the installation.

Steps

- 1. Place the table bracket on the wall. Mark the screw holes' position with a marker, and take out the table bracket. Drill 4 holes according to the marks on the wall, and insert the expansion sleeves into the screw holes.
- 2. Secure the table bracket on the wall with 4 screws.
- **3.** Hook the device to the table bracket tightly by inserting the hooks into the slots on the rear panel of the device, during which the lock catch will be locked automatically.

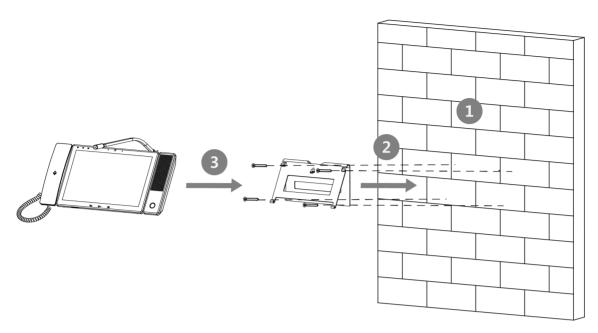


Figure 3-6 Wall Mounting

3.4 Table Mounting

Steps

1. Wiring the device and smooth the cables across the cable hole.

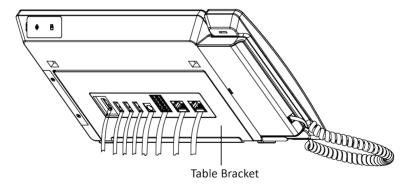


Figure 3-7 Smooth the Cable

2. Adjust the table bracket to the right angle and put the device on the right position.

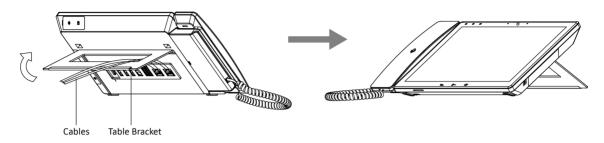


Figure 3-8 Adjust the Table Bracket

Note

Recommend the use of the table bracket: the maximum opening angle used.

Chapter 4 Activation

You should activate the device before the first login. After powering on the device, the system will switch to Device Activation page.

Activation via the device, SADP tool and the client software are supported.

The default values of the device are as follows:

• The default IP address: 192.0.0.64

The default port No.: 8000The default user name: admin

4.1 Activate via Device

If the device is not activated, you can activate the device after it is powered on.

On the Activate Device page, create a password and confirm the password. Tap **Activate** and the device will activated.



- The password strength of the device can be automatically checked. We highly recommend you
 change the 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 change
 your password regularly, especially in the high security system, changing the password monthly
 or weekly can better protect your product.
- Proper configuration of all passwords and other security settings is the responsibility of the service provider and/or end-user.
- Do not contain following characters in the password: the user name, 123, admin (case-insensitive), 4 or more continuously increasing or decreasing digits, or 4 or more consecutively repeated characters.

4.2 Activate via Web Browser

You can activate the device via the web browser.

Steps

1. Enter the device default IP address (192.0.0.64) in the address bar of the web browser, and press **Enter**.



Make sure the device IP address and the computer's should be in the same IP segment.

2. Create a new password (admin password) and confirm the password.



- The password strength of the device can be automatically checked. We highly recommend you change the 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 change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.
- Proper configuration of all passwords and other security settings is the responsibility of the service provider and/or end-user.
- Do not contain following characters in the password: the user name, 123, admin (case-insensitive), 4 or more continuously increasing or decreasing digits, or 4 or more consecutively repeated characters.
- 3. Click Activate.
- **4.** Edit the device IP address. You can edit the IP address via the SADP tool, the device, and the client software.

4.3 Activate Device via Guarding Vision Client Software

For some devices, you are required to create the password to activate them before they can be added to the Guarding Vision software and work properly.

Steps



This function should be supported by the device.

- 1. Enter the Device Management page.
- 2. Click on the right of **Device Management** and select **Device**.
- 3. Click Online Device to show the online device area.

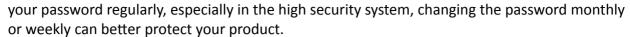
The searched online devices are displayed in the list.

- 4. Check the device status (shown on Security Level column) and select an inactive device.
- 5. Click Activate to open the Activation dialog.
- **6.** Create a password in the password field, and confirm the password.



The password strength of the device can be automatically checked. We highly recommend you change the 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 change

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Proper configuration of all passwords and other security settings is the responsibility of the service provider and/or end-user.

iNote

Characters containing admin and nimda are not supported to be set as activation password.

7. Click **OK** to activate the device.

Chapter 5 Local Configuration and Operation

5.1 Local Configuration of Main Station

5.1.1 Activate the Device

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

Steps

- 1. Power on the device. It will enter the activation page automatically.
- 2. Create a password and confirm it.
- 3. Tap OK to activate the main station.



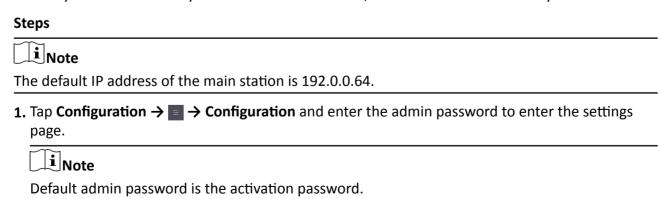
We highly recommend you to create a strong password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend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

5.1.2 Basic Settings

Local Network Parameters

Network connection is mandatory for the use of the main station. Set the network parameters parameters after activating the main station. Only when the IP address of the device is in the same network segment as other devices, it can work properly in the same system.

Two ways are available for you to set IP address: DHCP, and set IP address manually.



2. Tap to enter the network parameters settings page.

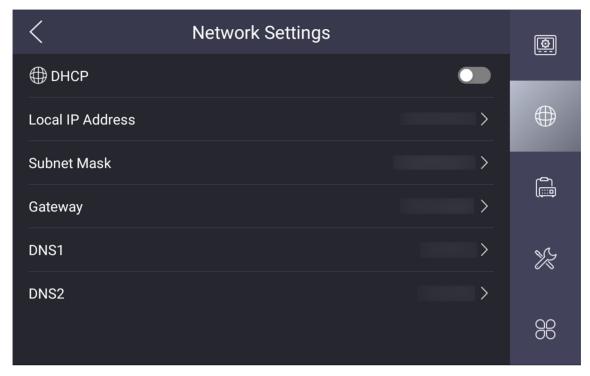


Figure 5-1 Network Settings

- 3. Edit the local network parameters.
 - Set the Local IP Address, Subnet Mask, Gateway and DNS address manually.
 - Enable **DHCP**, then the device can search and get an IP address automatically.

Linked Device Management

Linked network parameters refers to the network parameters of device (like indoor station, door station, doorphone, etc.), to whick the main station is linked.

Steps

1. Tap **Configuration** → **Solution** → **Configuration** , and enter the admin password to enter the settings page.

iNote

Default admin password is the activation password.

2. Tap to enter the device management page.

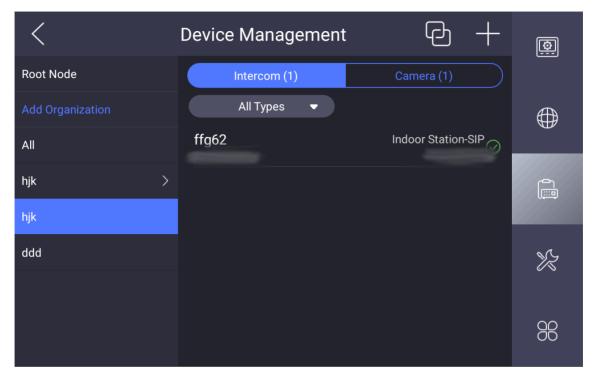


Figure 5-2 Device Management

- 3. Tap Intercom.
- **4.** Tap **Add Organization** to create video intercom system.

Example

If the device is located in Phase 1 Building 1 Unit 1, you should tap **Add Organization** and create Phase 1 Building 1 Unit 1. First, tap **Add Organization** and enter the Phase 1 to add first level. Second, select the Phase 1 and tap **Add Organization** to add the Building 1 as the sub level. Repeat the steps above to add the last level.

5. Tap **+** to link the device.

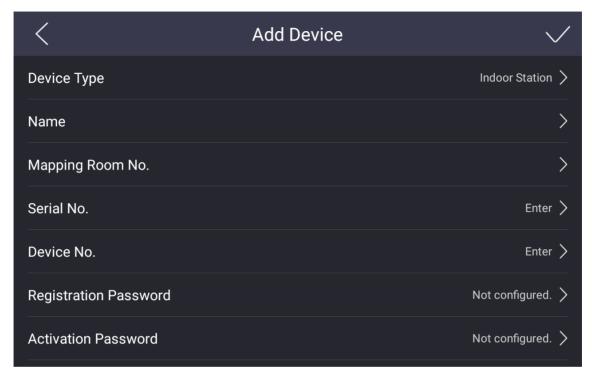


Figure 5-3 Add Linked Device

- **6.** Select the **Device Type** as indoor station, outer door station, main station, door station or camera.
- 7. Set the Serial No., SIP Account, SIP Password, Activation Password, Device IP Address and Subnet Mask.
- 8. Tap **v** to add.

Set Device No.

Main station No. can be dialed by other devices to call the main station in an intercom system. The main station No., is composed of the phase No. and No.

Steps

1. Tap **Configuration** → **Solution** → **Configuration** , and enter the admin password to enter the settings page.



Default admin password is the activation password.

2. Tap to enter the Main Station Settings page.

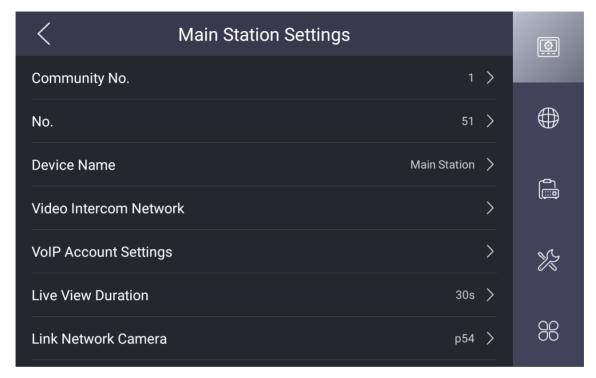


Figure 5-4 Device Settings

- 3. Edit the Community No. and No. of the device.
- **4.** Tap **Video Intercom Network** to set the SIP server parameters. (Including registration password, private server IP, private SIP server port.)

Registration Password

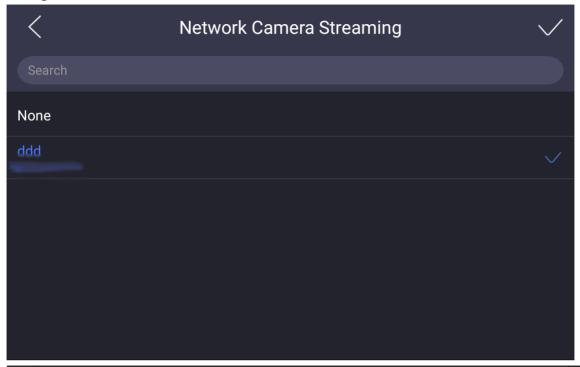
Enter the registration password for communication via SIP server.

Private Server IP

Enter the main station's IP address that used for VoIP communication. At this time, the main station is ussed as a SIP server. Other intercome devices should registered to this server address to realize communication.

- **5.** Tap **VoIP Account Settings** and enable VoIP. Then you can edit VoIP account parameters. (Including user name, number, registered usered name, password, SIP server and private SIP.)
- 6. Set the Live View Duration.

7. Configure the Link Network Camera.



iNote

You need to add IPC first. Then you can select the IPC you want from the list while doing configuration.

Add Camera

The main station can monitor via the camera. You should add cameras first.

Steps

1. Tap **Configuration** \rightarrow \blacksquare \rightarrow **Configuration**, and enter the admin password to enter the settings page.

iNote

Default admin password is the activation password.

2. Tap to enter the device management page.

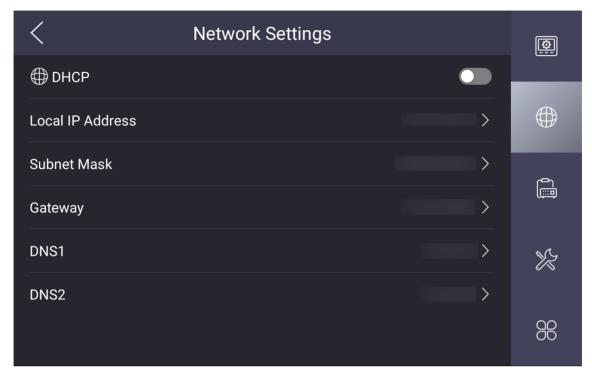


Figure 5-5 Device Management

- 3. Tap Intercome.
- **4.** Tap **Add Branch** to create video intercom system.

Example

If the device is located in Phase 1 Building 1 Unit 1, you should tap **Add Branch** and create Phase 1 Building 1 Unit 1. First, tap **Add Branch** and enter the Phase 1 to add first level. Second, select the Phase 1 and tap **Add Branch** to add the Building 1 as the sub level. Repeat the steps above to add the last level.

5. Tap **+** to link the device.

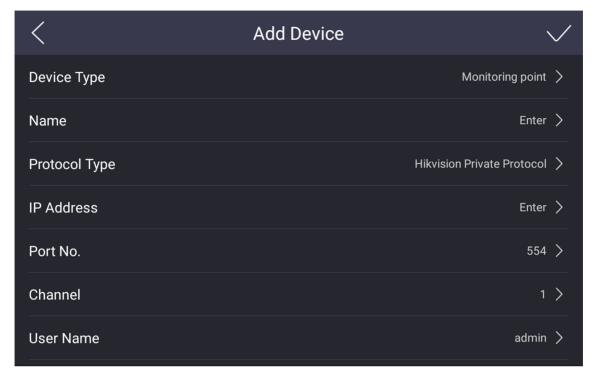


Figure 5-6 Add Camera

- **6.** Select the **Device Type** as camera.
- **7.** Set Name, Protocol Type, IP Address, Port No., Channel, User Name and Password of the camera.
- 8. Tap **v** to add.

5.1.3 User Management

You can view the information of the user.

Steps

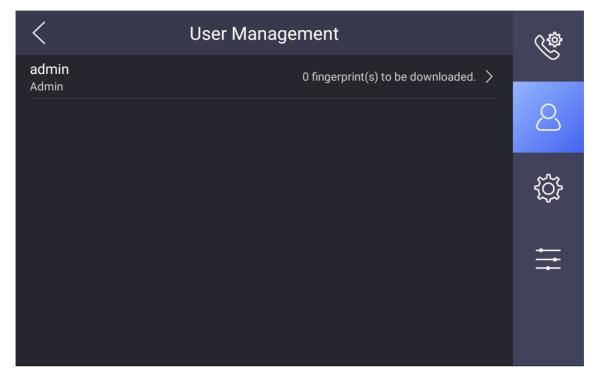


Figure 5-7 User Management

2. Tap admin and enter the admin password to view the details.

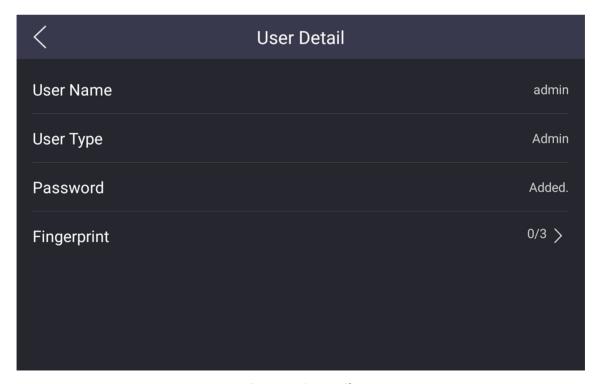


Figure 5-8 Details

3. Tap Fingerprint → + to add fingerprints refers to the tips on the page.

iNote

Up to 3 fingerprints can be added.

Only when the fingerprint module is plugged in, can this function be used.

5.1.4 Synchronize Time

On the main page, tap the time displayed area to synchronize time manually. Here takes synchronizing time via local configuration for example.

Steps

1. Tap Configuration $\rightarrow \blacksquare \rightarrow$ Time and Date to enter the settings page.

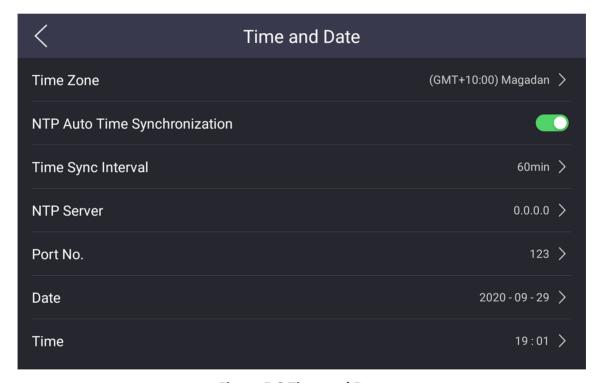


Figure 5-9 Time and Date

- 2. Select the Time Zone.
- 3. Synchronize time.
 - Configure the **Date** and **Time** manually.
 - Slide the slider to enable the NTP Auto Time Synchronization function.
 Set the synchronizing interval, enter the IP address of NTP server and port No.

5.1.5 Call Settings

You can set the ringtone, ring duration, call volume, notification volume and enable the group call and microphone functions.

Steps

1. Tap **Configuration** \rightarrow **to enter the call settings page.**

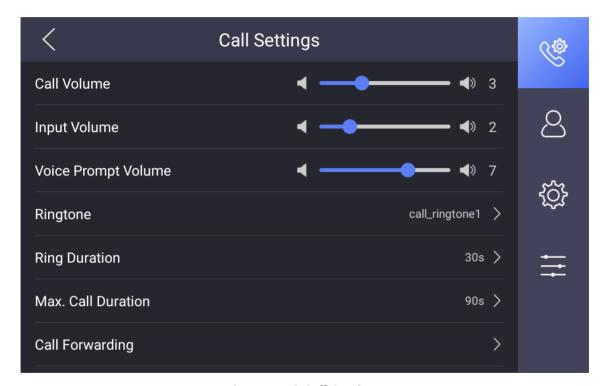


Figure 5-10 Call Settings

2. Set corresponding parameters.

Ringtone

There are 3 ringtones by default, and you can custom and import at most 4 ringtones via Batch Configuration Tool or **Guarding Vision** Client Software.

Ringtone Duration: The maximum duration of main station when it is called without being accepted. Ringtone duration ranges from 30 s to 60 s.

Volume Settings

Adjust the call volume, input volume and voice prompt volume.

Max. Call Duration

The maximum duration of calling between main station and other devices. It ranges from 90 s to 120 s.

Group Call

Slide to enable the group call function, then the device can receive more than 2 devices calling at the same time.

Call Forwarding

Slide to enable one-touch call forwarding, call forward when no answer, call forward when busy or call forwarding schedule.



One-touch Call Forwarding (Display on Main Page)

One-touch to forward the call to call forwarding device.

Call Forward when No Answer

When busy, the incoming call will be forwarded to call forwarding device.

Call Forwarding Schedule

Within the schedule, the incoming call will be forwarded to call forwarding device.

Call Forward When Busy

When busy, the incoming call will be forwarded to call forwarding device.



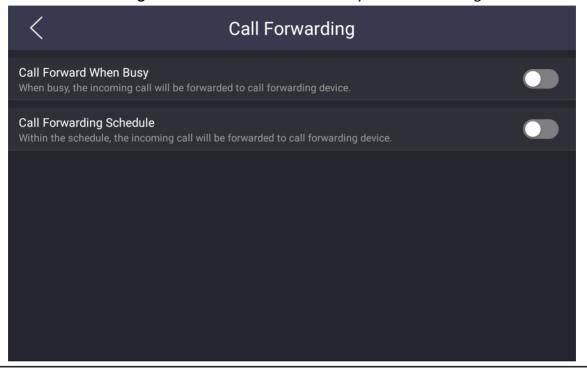
You can also visit the call forwarding setting page when trying to add device.

•



Go to Cofiguration → Advanced Settings → Configuration →

- Tap the device you want to configure.
- Click Call Forwarding to enable call forward when busy or call forwarding schedule.



VoIP Contact

Add VoIP contact and view them in the list. Hold one of the contacts to edit or delete the selected contact.

5.1.6 Restore Main Station

Steps

1. Tap **Configuration** → **Solution Solution** and enter the admin password to enter the settings page.



Default admin password is the activation password.

2. Tap to enter the system maintenance page.

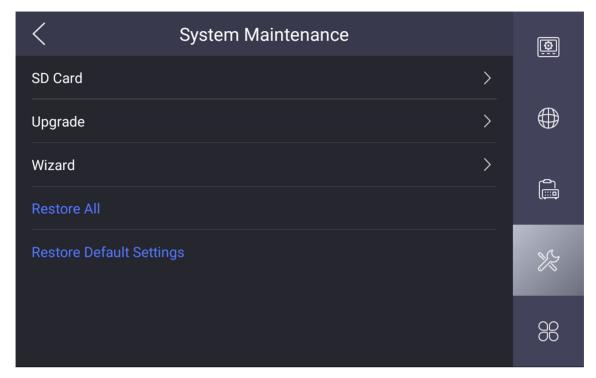


Figure 5-11 Maintenance

3. Restore All and Restore Default Settings.

Restore All

Tap Restore All to restore all parameters and reboot the system.

Restore Default Settings

Tap Restore Default Settings to restore the default settings and reboot the system.

5.1.7 Upgrade

Before You Start

Plug in a USB flash driver or an SD card with upgrading package.

Steps

1. Tap **Configuration** → **Configuration** and enter the admin password to enter the settings page.

iNote

Default admin password is the activation password.

2. Tap to enter the system maintenance page.

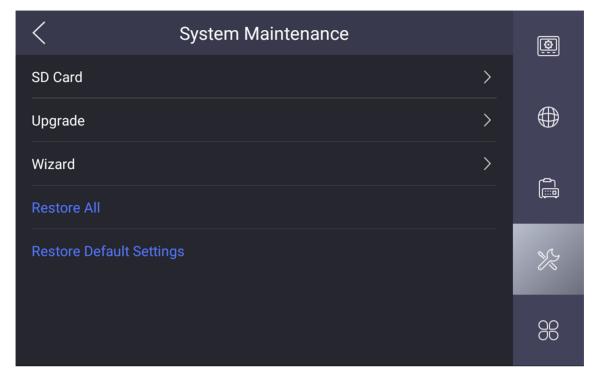


Figure 5-12 Maintenance

3. Tap **Upgrade** to get the upgrading package to upgrade the device.

5.1.8 Maintenance

SD Card

Tap **Configuration** \rightarrow **Solution** and enter the admin password to enter the settings page. Tap **Solution** to enter the maintenance page.

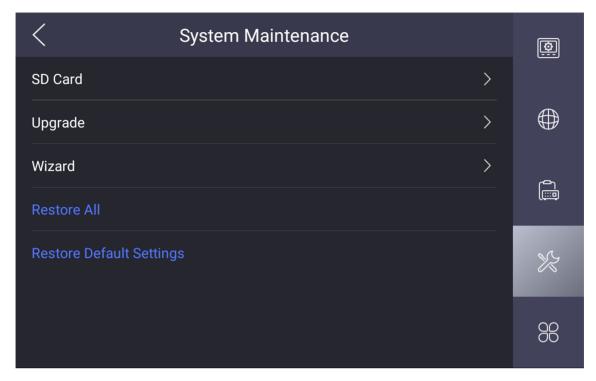


Figure 5-13 Maintenance

Tap **SD Card** to view the capacity of the SD card. You can format and uninstall the SD card.

Wizard

Tap Configuration \rightarrow \blacksquare \rightarrow Configuration and enter the admin password to enter the settings page.

Tap Wizard to configure the system quickly.

Permission Verification

Tap **Configuration** \rightarrow **one** to enter the settings page.

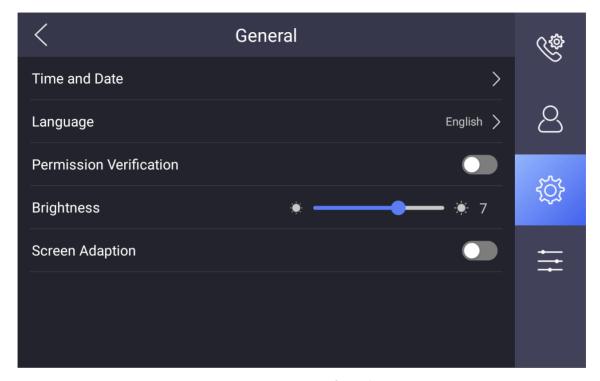


Figure 5-14 General Settings

Slide to enable the permission verification and screen adaption function.

Screen Adaption

After enable screen adaption function, the page will automatically adapt to the screen size of the device.

Permission Verification

After enable permission verification, you need to enter your user name and password to awake the device.

Brightness Adjustment

Tap **Configuration** \rightarrow \bigcirc to adjust the brightness.

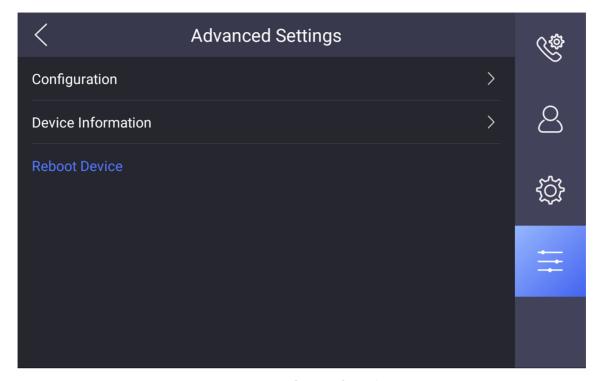


Figure 5-15 Advanced Settings

Tap Configuration \rightarrow to enter the settings page.

Tap **Reboot Device** to reboot the system.



Please do not cut the power during rebooting.

5.1.9 Device Information

View the device information, including the version information, model, serial No., LAN2 IP address, LAN2 Mac address and open source disclaimer.

Steps

- **1.** Tap **Configuration** \rightarrow \blacksquare \rightarrow **Device Information** to enter the Device Information page.
- **2.** View the version information, model, serial No., LAN2 IP address, LAN2 Mac address and open source disclaimer.
- **3. Optional:** Tap **Open Source Disclaimer** to view the OSS statement.

5.2 Local Operation of Main Station

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

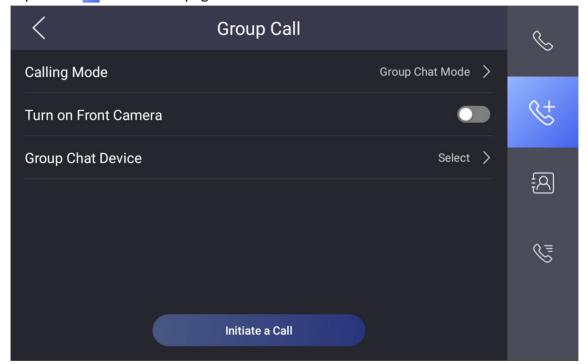
This is the start of your concept.

5.2.1 Call Settings

Group Call Settings

You can initiate group call with more than 2 devices via the main station. The device can also receive more than 2 devices calling at the same time.

1. Tap Call \rightarrow \triangleleft on the main page.



- 2. You can select calling mode and group chat device. Slide to enable turn on front camera.
- 3. Tap Initiate a Call.

Call Resident

Call the indoor station via the main station.

Steps

1. Tap Call \rightarrow to enter the call page.

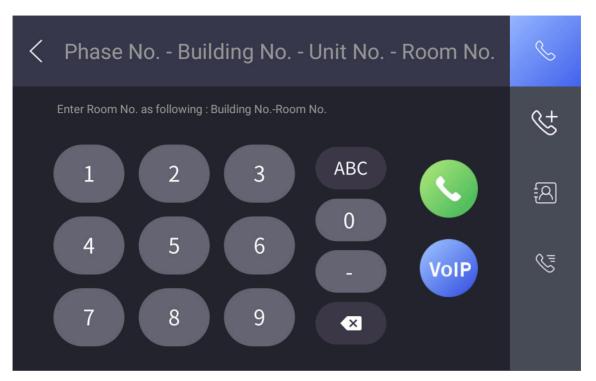


Figure 5-17 Call Page

2. Enter the calling number to call.



- 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. Tap the call button to start an audiovisual call.
- The community No. can be omitted.

Receive Call

The main station can receive the call from the indoor station, the door station, and the other main station.

When the main station receives the call from the other device, tap the receive call button to receive the call. Or tap the hang up button to end the call.

During the call, you can tap the unlock button to unlock the door remotely.



The maximum call duration between the main station and the indoor station is 120 s.

View Call Logs

View call logs of the main station.

Steps

1. Tap Call \rightarrow on the main page.

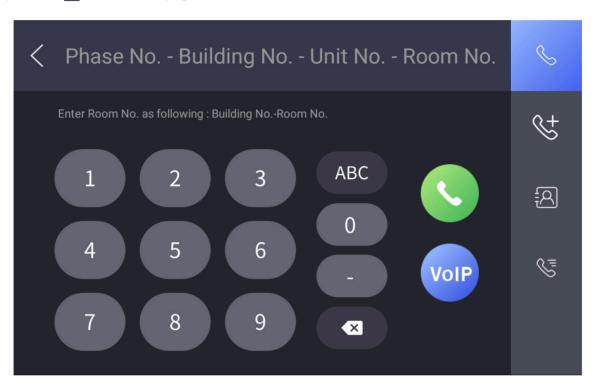


Figure 5-18 Call Log Page

2. View the call logs.



Up to 2000 call logs can be viewed.

3. Optional: Hold one of the call logs to clear all call logs or delete the select call log.

5.2.2 Live View

View the live videos of other devices from the main station.

Steps

1. Tap Live View on the main page.

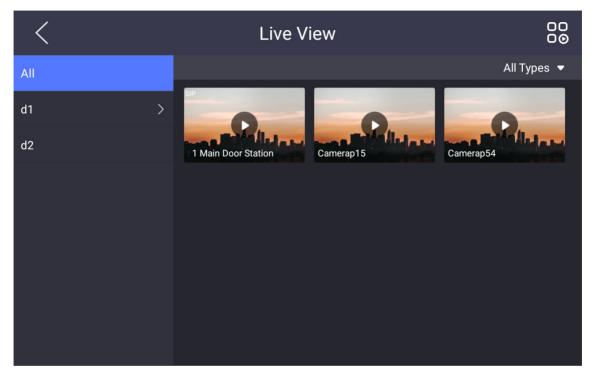


Figure 5-19 Live View Page

- 2. View the live videos of other devices.
- 3. Optional: Tap the unlock button to unlock the door.

5.2.3 The Third-Party App Settings

Install the App

Install the third-party App to your device.

Steps

- 1. Tap Configuration $\rightarrow \blacksquare \rightarrow$ Configuration.
- 2. Enter the configuration password.



By default, the configuration password is the activation password.

3. Tap to view the third-party apps.

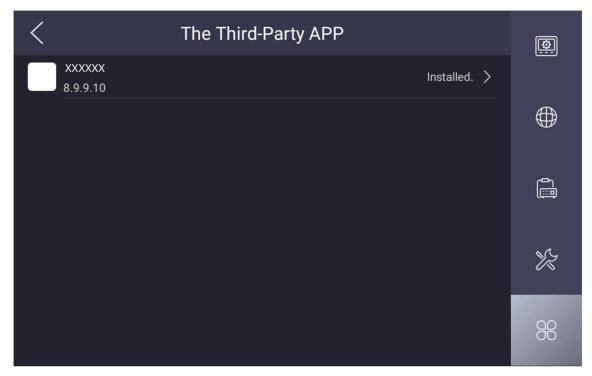


Figure 5-20 Add the Third-Party Apps

- 4. Tap New APP to view the details.
- **5. Optional:** Tap the added third-party app, and tap **Clear Memory** to clear the app's memory or uninstall the app.

Uninstall the App

Steps

- 1. Tap Configuration → → Configuration
- 2. Enter the configuration password.



By default, the configuration password is the activation password.

- 3. Tap to view the third-party apps.
- 4. Select an App and tap Uninstall Application.

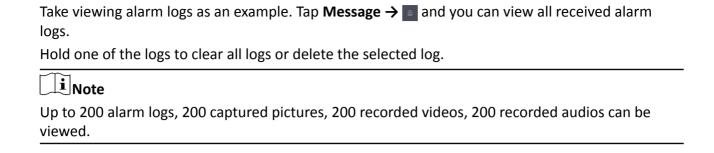


You can also uninstall the Apps via client software remotely.

5.2.4 Information Management

You can view the received alarm logs, captured pictures, recorded videos, and recorded audios.

DS-KM9503 Main Station User Manual



Chapter 6 Quick Operation via Web Browser

6.1 Select Language

You can select a language for the device system.

Click in the top right of the web page to enter the **Device Language Settings** page. You can select a language for the device system from the drop-down list.

By default, the system language is English.



After you change the system language, the device will reboot automatically.

6.2 Time Settings

Click in the top right of the web page to enter the wizard page. After setting device language, you can click **Next** to enter the **Time Settings** page.

Time Zone

Select the device located time zone from the drop-down list.

Time Sync.

NTP

You should set the NTP server's IP address, port No., and interval.

Manual

By default, the device time should be synchronized manually. You can set the device time manually or check **Sync. with Computer Time** to synchronize the device time with the computer's time.

Server Address/NTP Port/Interval

You can set the server address, NTP port, and interval.

DST

You can view the DST start time, end time and bias time.

Click **Next** to save the settings and go to the next parameter. Or click **Skip** to skip time settings.

6.3 No. and System Network

Steps

- 1. Click in the top right of the web page to enter the wizard page. After previous settings, you can click **Next** to enter the **No. and Network System Network** settings page.
- 2. Set device No.



3. Set the video intercom network parameters.

Registration Password

Set the registration password of the main station for communication. Set the registration password of the main station for communication.

Private Server IP

Refers to the SIP server IP. Enter the main station's IP address that used for communication. At this time the main station is used as a SIP server. Other intercom devices should registered to this server address to realize communication.

Private SIP Server Port

Refers to the SIP server Port.

4. Click Complete to save the settings after the configuration.

Chapter 7 Operation via Web Browser

7.1 Login

You can login via the web browser or the remote configuration of the client software.

iNote

Make sure the device is activated. For detailed information about activation, see <u>Activate via Web</u> **Browser**.

Enter the device IP address in the address bar of the web browser and press **Enter** to enter the login page.

Enter the device user name and the password. Click Login.

iNote

5 failed password enterings will lock the device. You should try again after 30 min.

7.2 Device Management

You can manage the linked device on the page.

Click **Device Management** to enter the settings page.



Figure 7-1 Device Management

Add Device

- Click Add to add the indoor station or sub door station. Enter the parameters and click OK to add.
- Click **Import**. Enter the information of the device in the template to import devices in batch.

Export

Click **Export** to export the information to the PC.

Delete

Select the device and click **Delete** to remove the selected device from the list.

Synchronization Settings

Click **Synchronization Settings** and enable **Synchronize**. If enabled, the current device's settings will be synchronized to other devices.

Upgrade

Timing Upgrade

You can choose to **Enable Upgrading Device Automatically** or set upgrade time so that the device will upgrade within the time. Click **Save**.

Upload Upgrade Package

You can import upgrading package from local and select device type. Click **OK** to upgrade.

Upgrade Now

Check the device you would like to upgrade and click **OK** to upgrade.

Upgrade Status

You can view the upgrade status of linked devices.

Refresh

Click **Refresh** to get the device information.

Optional: Set Device Information.

- Click to delete device information from the list.
- Select Status and Device Type to search devices.

7.3 Overview

You can view linked devices, network status and basic information.

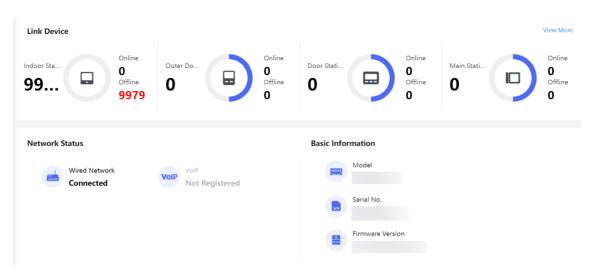


Figure 7-2 Overview Page

Function Descriptions:

Linked Device

You can view linked devices and their online status.

Network Status

You can view the connected and registered status of wired network, wireless network, ISUP and cloud service.

Basic Information

You can view the model, serial No. and firmware version.

View More

You can click View More to enter the page of Device Management.

7.4 Configuration

7.4.1 View Device Information

View the device name, language, model, serial No., version, available cameras, IO input, IO output, Lock, Local RS-485, alarm input, alarm output, and device capacity, etc.

Click **Configuration** → **System** → **System Settings** → **Basic Information** to enter the configuration page.

You can view device name, language, model, serial No., version, available cameras, IO input, IO output, Lock, Local RS-485, alarm input, alarm output, and device capacity, etc.

7.4.2 Set Time

Set the device's time zone, synchronization mode, server address, NTP port, and interval.

Click Configuration → System → System Settings → Time Settings.

Device Time

Display the device time in real time.

Time Zone

Select the device located time zone from the drop-down list.

Time Synchronization Mode

NTP

You should set the NTP server's IP address, port No., and interval.

Manual

By default, the device time should be synchronized manually. You can set the device time manually or check **Sync. with Computer Time** to synchronize the device time with the computer's time.

DST

You can enable DST, set and view the DST start time, end time and bias time.

7.4.3 Change Administrator's Password

Steps

- 1. Click Configuration → System → User Management .
- **2.** Click ∠ .
- **3.** Enter the old password and create a new password.
- 4. Confirm the new password.
- 5. Click Save.



The password strength of the device can be automatically checked. We highly recommend you change the 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 change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.

Proper configuration of all passwords and other security settings is the responsibility of the service provider and/or end-user.

7.4.4 Network Settings

Set Basic Network Parameters

Click Configuration → Network → Network Settings → TCP/IP.



Figure 7-3 TCP/IP Settings

Set the parameters and click **Save** to save the settings.

DHCP

If disable the function, you should set the IPv4 address, IPv4 subnet mask, IPv4 default gateway, preferred DNS server and the Alternate DNS server.

If you check the function, the system will allocate the IPv4 address, IPv4 subnet mask, the IPv4 default gateway, preferred DNS server and the Alternate DNS server automatically.

DNS Server

Set the preferred DNS server and the Alternate DNS server according to your actual need.

Set Port Parameters

Set the HTTP, HTTPS, RTSP and Server port parameters.

Click Configuration \rightarrow Network \rightarrow Advanced Configuration \rightarrow HTTP(S).

HTTP

It refers to the port through which the browser accesses the device. For example, when the HTTP Port is modified to 81, you need to enter *http://192.0.0.65:81* in the browser for login.

HTTPS

Set the HTTPS for accessing the browser. Certificate is required when accessing.

Click Configuration \rightarrow Network \rightarrow Advanced Configuration \rightarrow RTSP.

RTSP

It refers to the port of real-time streaming protocol.

Click Configuration → Network → Device Access → SDK Server.

SDK Server

It refers to the port through which the client adds the device.

SIP Setting

Steps

- 1. Click Configuration → Network → Device Access → VoIP to enter the settings page.
- 2. Check Enable VoIP Gateway.
- 3. Configure the SIP parameters.
- 4. Click Save to enable the settings.

7.4.5 Set Video and Audio Parameters

Set the image quality and resolution.

Set Video Parameters

Click Configuration → Video/Audio → Video .

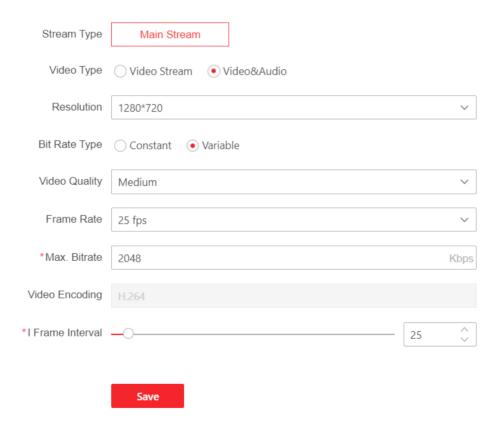


Figure 7-4 Video Settings Page

Set the stream type, the video type, the resolution, the Bit Rate type, the video quality, the frame rate, the Max. bitrate, the video encoding, and I Frame Interval. Click **Save** to save the settings.



The functions vary according to different models. Refers to the actual device for details.

Set Audio Parameters

Click Configuration → Video/Audio → Audio .

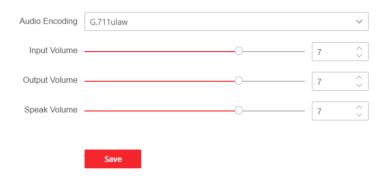


Figure 7-5 Audio Settings Page

Set the stream type, audio encoding, input volume, output volume, speak volume and audio sampling rate.

Click **Save** to save the settings.

7.4.6 Call Settings

Device No. Settings

Steps

1. Click Configuration → Intercom → Device No. to enter the page.



Figure 7-6 Device No. Settings

- 2. Set the corresponding information including Door Station No. and No.
- **3.** Click **Save** to enable the device number configuration.

Linked Network Settings

Steps

1. Click Configuration → Intercom → Video Intercom Network to enter the settings page.



Figure 7-7 Session Settings

- 2. Set Registration Password.
- 3. Set Private Server IP and Private SIP Server Port.
- 4. Click Save to enable the settings.

Set Communication Time via PC Web

Set the max. communication time.

Go to Configuration → Intercom → Call Settings .

Enter the Max. Communication Time. Click Save.



The Max. Communication time range is 90 s to 120 s.

7.4.7 Set Open Platform

If the device supports HEOP protocol, you can upload the third-party application to the device from this page.

Before You Start

Make sure the device contains the HEOP program.

Steps

- 1. Click Configuration → Open Platform .
- **2.** If it is the first time to use the function, you should read the Disclaimer and make sure that the application you want to install fit the following conditions.

- Each application has its own exclusive name.
- The FLASH memory space that the application takes up is less than the available FLASH memory space of the device.
- The memory and computing power of the application is less than that available memory and computing power of the device.
- 3. Import license.
 - If the application package has a license, click and select the license file from your local computer. Click **Import**.
- 4. Click Import Application to complete the installation.

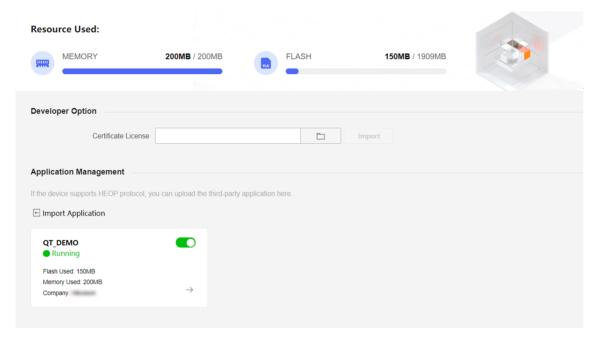
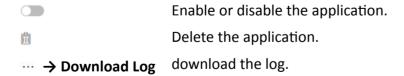


Figure 7-8 Open Platform

The installed applications and their related information are displayed in **Application Management** area. You can select to enable/disable the application. You

Click → to view the details about the application, including the application name, version, manufacturer, introduction, license status, system memory, flash, and disclaimer.

5. Optional: Set other functions.



7.4.8 Upgrade and Maintenance

Reboot device, restore device parameters, and upgrade device version.

Reboot Device

Click Maintenance and Security → Maintenance → Restart .

Click Restart to reboot the device.

Upgrade

Click Maintenance and Security → Maintenance → Upgrade.

Select an upgrade type from the drop-down list. Click and select the upgrade file from your local PC. Click **Upgrade** to start upgrading.

If the device has been connected to Guarding Vision and network, when there is a new installation package in Guarding Vision, you can click **Upgrade** after Online Update to upgrade the device system.

Note

Do not power off during the upgrading.

Restore Parameters

Click Maintenance and Security → Maintenance → Backup and Reset.

Restore All

All parameters will be restored to the factory settings. You should activate the device before usage.

Restore

The device will restore to the default settings, except for the device IP address and the user information.

Import and Export Parameters

Click Maintenance and Security → Maintenance → Backup and Reset .

Export

Click **Export** to export the device parameters.

iNote

You can import the exported device parameters to another device.

Import

Click and select the file to import. Click **Import** to start import configuration file.

7.4.9 Device Debugging

You can set device debugging parameters.

Steps

1. Click Maintenance and Security → Maintenance → Device Debugging .

2. You can set the following parameters.

Enable SSH

To raise network security, disable SSH service. The configuration is only used to debug the device for the professionals.

ADB

Enable ADB Remote Control for actual needs.

Print Log

You can click **Export** to export log.

Capture Network Packet

You can set the **Capture Packet Duration**, **Capture Packet Size**, and click **Start Capture** to capture network data.

3. Click Save.

7.4.10 Security Audit Log

Steps

- 1. Click Maintenance and Security → Maintenance → Security Audit Log to enter the page.
- **2.** Set the major and minor type of the log type. Set the start time and end time for searching, and click **Search**.
- **3.** The results will be displayed below, which including the No., time, the major type the minor type, the channel No., the local/remote user information, the remote host IP, etc.

7.4.11 Certificate Management

It helps to manage the server/client certificates and CA certificate.



The function is only supported by certain device models.

Import Other Authorized Certificate

If you already has an authorized certificate (not created by the device), you can import it to the device directly.

Before You Start

You should send the asking file to a certification authority for signature. Then save the authorized certificate locally.

Steps

1. Go to Maintenance and Security → Security → Certificate Management.

- **2.** In the **Import Key** and **Import Communication Certificate** areas, select certificate type and upload certificate.
- 3. Click Import.

Import CA Certificate

Before You Start

Prepare a CA certificate in advance.

Steps

- 1. Go to Maintenance and Security → Security → Certificate Management .
- 2. Create an ID in the CA Certificate ID area.



The input certificate ID cannot be the same as the existing ones.

- 3. Upload a certificate file from the local.
- 4. Click Import.

Chapter 8 Other Platforms to Configure

You can also configure the device via Guarding Vision Client Software. For details, see the platforms' user manual.

Guarding Vision Client Software

Ask technique support to gain the client software's user manual.

