Video Intercom Master Station

User Manual

UD.6L0206D1108A01

User Manual

This user manual is intended for users of DS-KM8301 Video Intercom Master Station. It includes instructions on how to use the Product. The software embodied in the Product is governed by the user license agreement covering that Product.

About this Manual

Trademarks

Disclaimer

Support

Should you have any questions, please do not hesitate to contact your local dealer.

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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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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 2004/108/EC, 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 (A)/NMB-3(A) standards requirements.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into **Warnings** and **Cautions**:

Warnings: Neglecting any of the warnings may cause serious injury or death.

Cautions: Neglecting any of the cautions may cause injury or equipment damage.

	
Warnings Follow these safeguards to prevent serious injury or death.	**Cautions** Follow these precautions to prevent potential injury or material damage.

 **Warnings**

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.)

 **Cautions**

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.

Contents

1 Overview

The DS-KM8301 master station is an intelligent terminal for video intercom system management. It responses and sends the residents call, receives alarm, and unlock door remotely. It is normally installed on the management center, it can be operated with a capacitive touch screen, touch buttons and mechanical buttons.

Features:

- Glass panel and aluminum-alloy bracket
- Supports video intercom
- Supports live view of door stations and IP cameras
- Noise suppression and echo cancellation
- Supports hands-free mode
- Alarm processing function
- Supports remote unlocking door function
- Supports on-table mode
- Supports working as a management center and a SIP server simultaneously

1.1 Appearance of DS-KM8301 Model

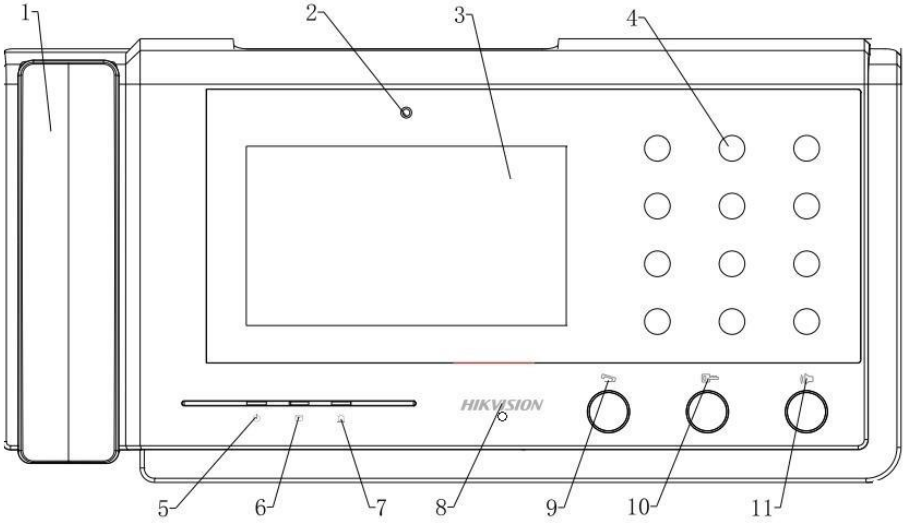


Figure 1-1 Front Panel

Table 1-1 Descriptions

No.	Description
1	Phone
2	Camera
3	Display
4	Dial Keyboard
5	Power Indicator
6	Information Indicator
7	Alarm Indicator
8	Microphone
9	Call/End Call Button
10	Unlock Button
11	Speaker Button

1.2 Typical Application

The master station is normally installed indoor and cooperated with a management software, SIP server, and other indoor stations of residents to realize the central management.

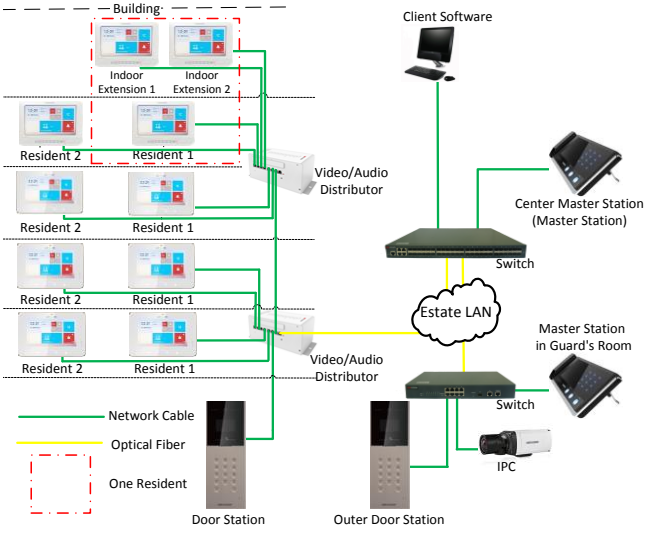


Figure 1-2 Typical Application of Master Station

1.3 Terminals and Interfaces

Please refer to the following figure for terminals and interfaces of master station.

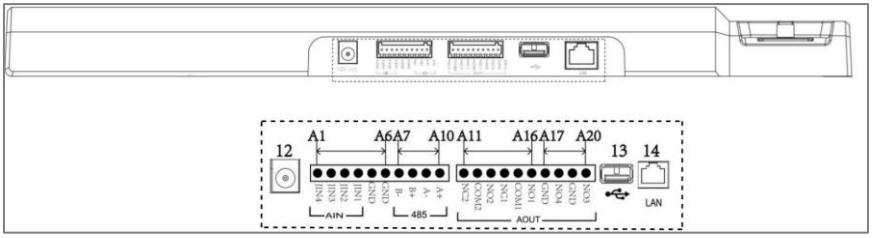


Figure 1-3 Real Panel

Table 1-2 Descriptions of Terminals and Interfaces

Name	No.	Interface	Description
Power Supply	12	Power	2-Chip; DC 12V
USB Interface	13	USB	For U-disk Connection
Network Interface	14	LAN	Network Interface
ALARM IN	A1	JIN4	Alarm Input 4 (reserved)
	A2	JIN3	Alarm Input 3 (reserved)
	A3	JIN2	Alarm Input 2 (reserved)
	A4	JIN1	Alarm Input 1 (reserved)
	A5	GND	Grounding
	A6	GND	Grounding
RS485	A7	B-	Reserved
	A8	B+	
	A9	A-	
	A10	A+	
ALARM OUT	A11	NC2	Alarm Input 2 (NC/reserved)
	A12	COM2	
	A13	NO2	Alarm Input 2 (NO/reserved)
	A14	NC1	Alarm Input 2 (NC/reserved)
	A15	COM1	
	A16	NO1	Alarm Input 1 (NO/reserved)

	A17	GND	Grounding
	A18	NO2	Optical Coupler Output 2
	A19	GND	Grounding
	A20	NO3	Optical Coupler Output 3

2 Before You Start

For the first time use of the device, you are required to activate the device and set the device password. You can activate the device locally or remotely via internet with Batch Configuration Tool, or with iVMS-4200 client software.

To remotely activate the device with Batch Configuration Tool or iVMS-4200, refer to Chapter 4, and Chapter 5.

To configure key parameters of the device on the user interface of master station, you are required to enter the admin (configuration) password.

The default admin password is 888999.

You must change the default credential to protect against unauthorized access to the product. Please refer to 3.4.1 and 4.4.2 for changing password.

3 Local Operation

3.1 Activating Device

Connect the power cable to power on the master station.

You must create a password to activate the master station for your first time usage and when it is not activated.

Only after activating the device, you can operate it both locally and remotely.

NOTE

- The password created for the activation is only used when you add the station to the remote control software such as iVMS-4200.
- To remotely access to the device, use the password here registered to add the device to the remote client.

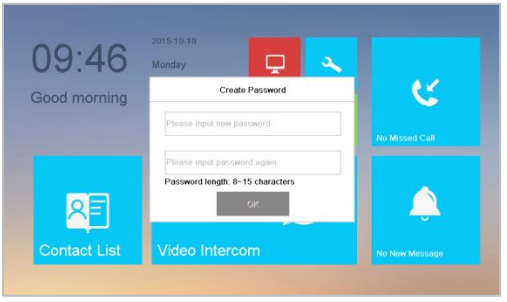


Figure 3-1 Activation Interface

STRONG PASSWORD RECOMMENDED– *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.*

3.2 User Interface Description

Please refer to the following figure for the user interface of master station.

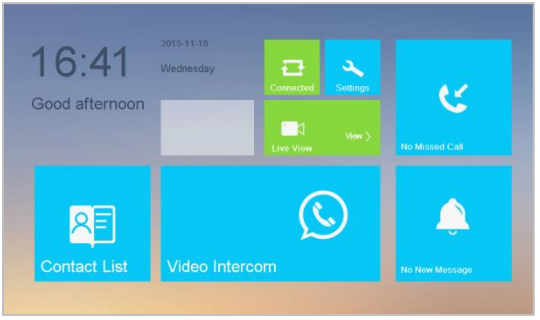


Figure 3-2 User Interface

3.3 Status

Icon	Definition	Description
	Normal Status.	The connection between master station and indoor/door stations is normal, and the master station has successfully registered to the SIP server.
	The master station is offline.	Please check the network cable of the master station.
	The master station has not registered to the SIP server.	Invalid SIP server IP address. Set the SIP server IP address.
		Network of SIP server is not available. Check the SIP server network connection.
		SIP server communication is not available. Check if the SIP server IP address is correct.
		SIP server rejected to login the device. Check if the device No. has been registered.
	Invalid master station IP address	The master station IP address conflicts with other devices' IP address.

3.4 Configuration Settings

Purpose:

You can set and view the local information, configure the network, manage devices, synchronize the device time, and restore the default settings.

3.4.1 Changing Configuration Password

The project password is required when you configure the master station locally, such as viewing the local information, setting the network, adding devices, setting the time, and restoring default settings.

Steps:

1. Press the **Settings** tab on the touch screen and press the **Edit** tab to change the password.
2. Enter the old password to change it.
3. Enter a new password and confirm it.

- The configuration password is also called admin password on the device.
- The default configuration password (admin password) is 888999.

STRONG PASSWORD RECOMMENDED– *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.*

3.4.2 Setting Local Information

Steps:

1. Press the **Settings** tab on the touch screen.
2. Press the **Configuration** tab and enter the admin password (configuration password).
3. Press the **Local Info** tab to enter the local information settings interface.
4. Enter the Project No. and Number.
5. Set the maximum live view duration of the device.

- The Number ranges from 51 to 99.
- The maximum live view duration varies from 10 seconds to 60 seconds.

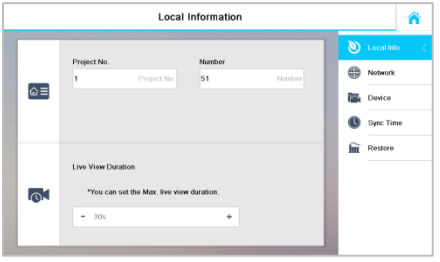


Figure 3-3 Local Information Settings

3.4.3 Setting Network

NOTE

Make sure the network cable is well-connected.

Purpose:

The connection of the network is mandatory for the use of the master station.

Steps:

1. Press the **Settings** tab on the touch screen.
2. Press the **Configuration** tab and enter the admin password (configuration password).
3. Press the **Network** tab.
4. Press the tab.
5. Set a local IP address.
6. Enter the subnet mask and gateway.
7. Press the **Save** tab.

NOTE

You can also enable DHCP function; in that case, the IP address will be automatically gained.

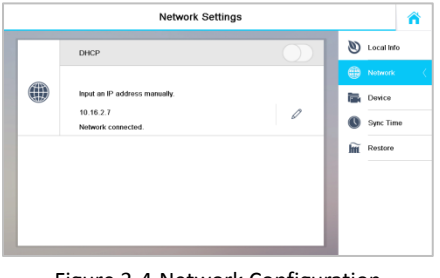


Figure 3-4 Network Configuration

3.4.4 SIP (Session Initiation Protocol) Server Management

The master station can work as a management center and SIP server simultaneously.

Working as a SIP server

When setting the master station's IP address as the SIP server address on the master station and on the indoor/door station simultaneously, the master station can receive alarm messages from indoor/door stations once there are alarms triggered in the indoor/door stations.

Requiring Connecting to a SIP server

The master station can also be connected to an independent SIP server.

Steps:

1. Press the **Settings** tab on the touch screen.
2. Press the **Configuration** tab and enter the admin password (configuration password).
3. Press the **Device** tab, and press the **SIP Server** tab.

Figure 3-5 SIP Server Adding

4. Enter the IP address of the SIP server.
5. Press the **Save** button to save the SIP server added.

3.4.5 Adding Devices

Purpose:

The master station never works alone. You can connect the door station, outer door station, IP camera, DVR, DVS, and NVR. Once connected, those devices can work together as a whole video intercom system.

NOTE

- Hold the device to open the device operation menu for deleting the selected device or clearing all devices (excluding SCP and SIP server).

- SIP server and SCP can only be edited but not deleted.

Steps:

1. Press the **Settings** tab on the touch screen.
2. Press the **Configuration** tab and enter the admin password (configuration password).
3. Press the **Device** tab.

Figure 3-6 Device Management

Adding the Door Station or Outer Door Station

Steps:

1. Press the **Add Device** tab to pop up the **Select Device Type** dialogue box.

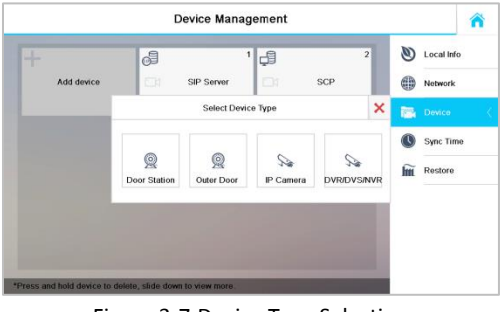


Figure 3-7 Device Type Selecting

2. Select **Door Station** or **Outer Door Station**.
3. Enter the corresponding device information required on the pop-up device adding dialogue box.

Figure 3-8 Door Station Adding

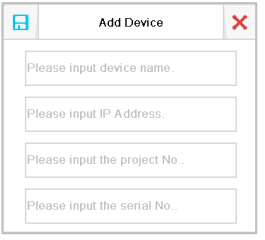


Figure 3-9 Outer Door Station Adding

4. Press the tab on the upper left corner of the dialogue box.

NOTE

- When the door station being added, the device name, IP address, project number, community number, building number, and serial number need to be entered.
- When the outer door station being added, the device name, IP address, project number, and serial number need to be entered.
- When the door station and outer door station added successfully, you can get the live view of door station and outer door station in the **Live View** interface.

Adding the IP Camera

Steps:

1. Press the **Add Device** tab to pop up the **Select Device Type** dialogue box.
2. Select **IP Camera**.
3. Enter the corresponding device information required on the pop-up device adding dialogue box.

Figure 3-10 IP camera Adding Interface

4. Press the tab on the upper left corner of the dialogue box.

NOTE

- The default Port No. is 554, the default user name is admin.
- When the IP camera added successfully, you can get the live view of door station and outer door station on the live view interface.

Adding DVR/DVS/NVR

Steps:

1. Press the **Add Device** tab to pop up the **Select Device Type** dialogue box.
2. Select **DVR/DVS/NVR**.
3. Enter the corresponding device information required on the pop-up device adding dialogue box.

Figure 3-11 NVR/DVS/NVR Adding Interface

4. Press the tab on the upper left corner of the dialogue box.

NOTE

The default Port No. is 554, the default channel No. is 1, and the default user name is admin.

3.4.6 Synchronizing Time

Steps:

1. Press the **Settings** tab on the touch screen.
2. Press the **Configuration** tab and enter the admin password (configuration password).
3. Press the **Sync Time** tab.
4. Switch to to enable NTP.
5. Set the synchronizing interval.
6. Enter the IP address, and port No..
7. Select the time zone.

NOTE

The default unit of synchronizing interval is minute, and the default port No. is 123.

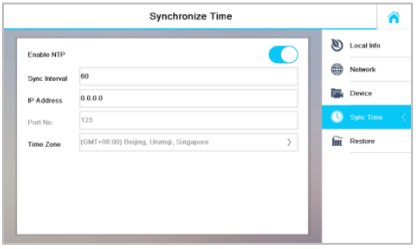


Figure 3-12 Time Synchronizing

3.4.7 Restoring Default Settings

Steps:

1. Press the **Settings** tab on the touch screen.
2. Press the **Configuration** tab and enter the admin password (configuration password).
3. Press the **Restore** tab.
4. Press the **RESTORE** tab to reboot the system after restoring the default settings.

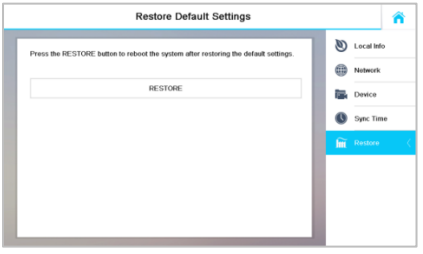
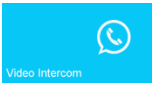


Figure 3-13 Default Settings Restoring

3.5 Video Call Settings

3.5.1 Callling Resident

Steps:

1. Press the 

tab on the touch screen to enter the residents calling interface.
2. Enter the corresponding residents' Room No..
3. Press the  tab to start a video intercom call.
4. Press the 

tab to stop the video intercom call.

NOTE

- Generally speaking, Room No. format should be like 1-1-1-102 as Project 1, Community 1, Building 1, and Room 102. The project No. can be omitted.
- Switch  to  on the upper right corner to enable the camera function.
- The Room No. can be automatically saved into the contact list.

Figure 3-14 Call Resident Interface

3.5.2 Adding Resident Information

Steps:

1. Press the  tab on the touch screen to enter the contact list interface.
2. Press the **Add Contact** tab.
3. Enter the corresponding residents' information required on the pop-up adding dialogue box.
4. Press the  tab on the upper left corner of the dialogue box.

3.5.3 Viewing Call Logs

Steps:

1. Press the  button on the touch screen to enter the Call Log interface.
2. Press tab **Missed Call** or **All Calls** to view missed call logs or all call logs.

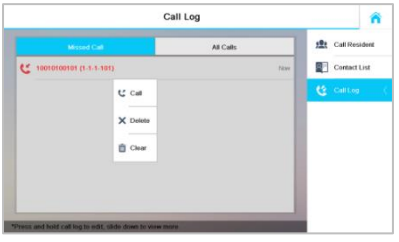
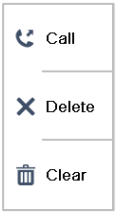


Figure 3-15 Call Log Interface

- Hold down a piece of call log to open the call log handling menu.



- Press the **Call** tab to call back.
- Press the **Delete** tab to delete the piece of call log.
- Press the **Clear** tab to delete all pieces of call logs.
- When there is any missed call, the number of missed call will display on the tab  as a prompt, e.g. the icon  means there is 1 missed call.

3.6 Viewing Alarm Messages

After connecting indoor/door stations to the master station via the SIP server, the master station can automatically receive alarm messages of indoor/door stations, such as alarm message for not-closed door, tamper alarm, and so on.
Press the **New Message** tab on the user interface to view alarm messages of indoor/door stations.

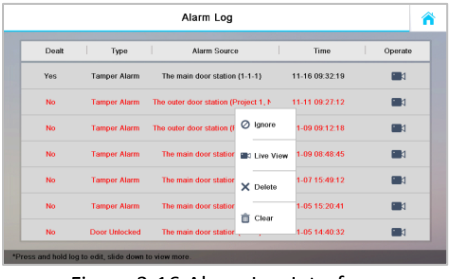
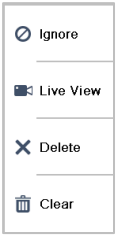


Figure 3-16 Alarm Log Interface

- Hold down a piece of alarm message to open the alarm message handling menu.



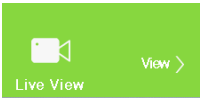
- Press the **Ignore** tab to ignore the piece of alarm message.
- Press the **Live View** tab to enter the live view interface.
- Press the **Delete** tab to delete the piece of alarm message.
- Press the **Clear** tab to delete all pieces of alarm messages.
- When there is any alarm message, the tab 

turns to 

as a prompt

3.7 Live View

Steps:

1. Press the 

tab on the touch screen to enter the Live View interface.

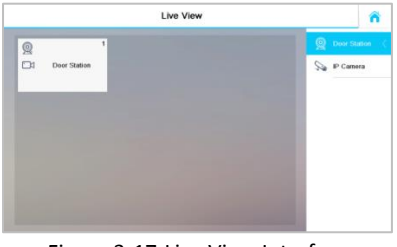


Figure 3-17 Live View Interface

2. Press the **Door Station** tab and press the door station device to view the live view of the corresponding door station.

Figure 3-18 Live View of Door Station

3. Press the **IP Camera** tab and press the IPC device to view the live view of the corresponding IPC.

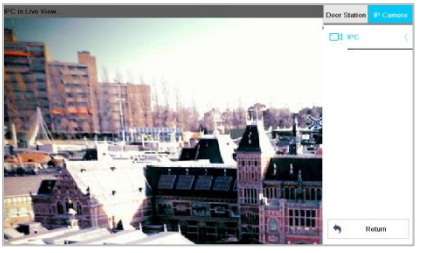


Figure 3-19 Live View of IPC

4 Batch Configuration Tool

4.1 Activating Devices

Purpose:

The device cannot be operated until it is activated. You can remotely activate the device via Batch Configuration Tool or via iVMS-4200 client. Please activate the device and set the device password.

Steps:

1. Select the inactivated device from the online devices and click **Activate**.

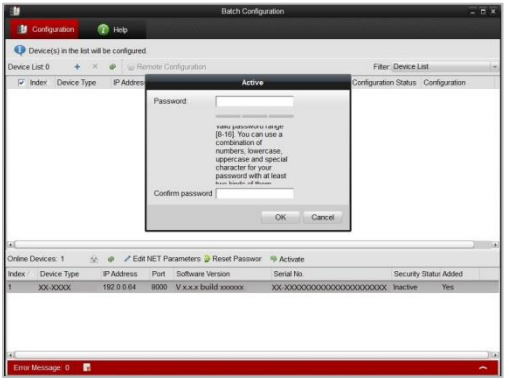


Figure 4-1 Activating Device

2. Create a password and enter the password into the password field.

STRONG PASSWORD RECOMMENDED– *We highly recommend you create a strong password of your own choosing (Using a minimum of 8 characters, including at least three of the 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.*

3. Confirm the password.
4. Click the **OK** button to activate the device.

NOTE

When the device is not activated, the basic operation and remote operation of device cannot be performed.

4.2 Editing Network Parameters

Purpose:

You can edit the network parameters of online devices.

Steps:

1. Select an online device in the online devices list in the lower part of the batch configuration software interface.
2. Click the **Edit NET Parameters** button.

Figure 4-2 Edit NET Parameters

3. Enter a new IP address, subnet mask, gateway address, port No. and the password.
4. Click the **OK** button to accomplish the editing.

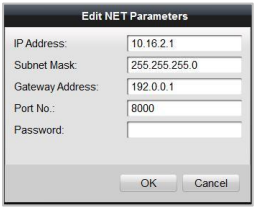


Figure 4-3 Edit Network Parameters

- The default Port No. is 8000.
- After editing the network parameters of device, you should add the devices to the device list again. And the device cannot be added unless it has the same subnet with the PC IP address.

4.3 Adding Device

The software provides 4 ways for adding the devices. You can add the active online devices within your subnet, add devices by IP address, add devices by IP segment or add devices by device port No. range.

4.3.1 Adding Online Devices

Steps:

1. Run the software to enter the main interface of video intercom batch configuration tool software.

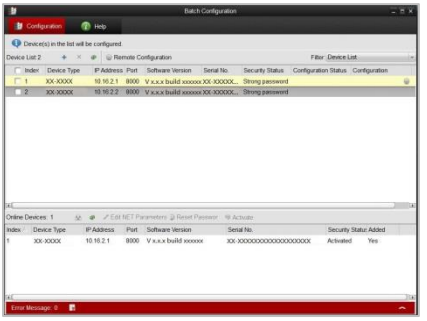


Figure 4-4 Main Interface of Batch Configuration Software

2. Select an online device or hold the Ctrl or Shift key to select multiple devices in the online devices list in the lower part of the batch configuration software interface.

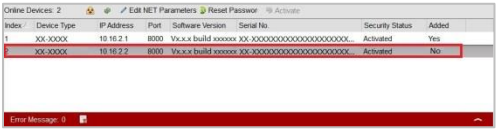


Figure 4-5 Online Devices Interface

3. Click the  button to pop up the login dialog box.

Figure 4-6 Login Dialog Box

4. Enter the user name and password.
5. Click the **OK** button to save the settings.

Only the devices that are successfully logged in will be added to the device list for configuration.

4.3.2 Adding by IP Address, IP Segment or Port No.

Click the button to pop up the adding devices dialog box.

Figure 4-7 Adding Button

Adding by IP Address

Purpose:

You can add the device by entering IP address.

Steps:

1. Select IP Address in the adding mode drop-down list.
2. Enter the IP address, and set the port No., user name and password of the device.

Figure 4-8 Adding by IP Address

3. Click the **OK** button to add the device to the device list.

Adding by IP Segment

Purpose:

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

Steps:

1. Select IP Segment in the adding mode drop-down list.
2. Set the Start IP Address and End IP Address.
3. Enter port No., user name, and password.

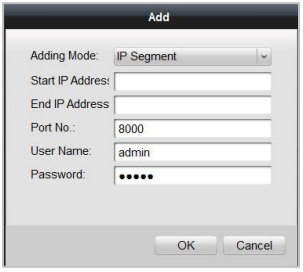


Figure 4-9 Adding by IP Segment

4. Click the **OK** button to search and add the devices whose IP addresses are within the range of the defined IP segment to the device list.

Adding by Port No.

Purpose:

By adding devices by port No., you can add multiple devices which access to the network via port mapping. Devices, with the same IP address but different port numbers, can be added in this way.

Steps:

1. Select Port No. in the adding mode drop-down list.
2. Enter the IP address.
3. Set the Start Port No. and the End Port No..
4. Enter the user name and password.

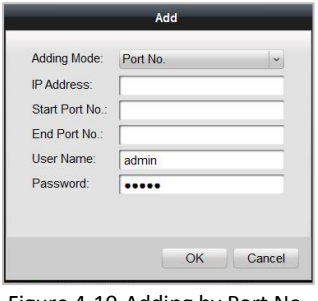


Figure 4-10 Adding by Port No.

5. Click the **OK** button to search and add the devices of which port numbers are within the defined port No. range to the device list.

NOTE

- You cannot add the device(s) to the device list if the user name and password are not identical.

- When you add devices by IP Address, IP Segment or Port No., the devices should be online devices.

4.4 Remote Configuration

In the device list area, select a device and click Remote Configuration or to enter the remote configuration interface.

Figure 4-11 Remote Configuration

4.4.1 System

Click the **System** button on the remote configuration interface to display the device information: **Device Information**, **General**, **Time**, **System Maintenance**, **User**, and **RS485**.

Device Information

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

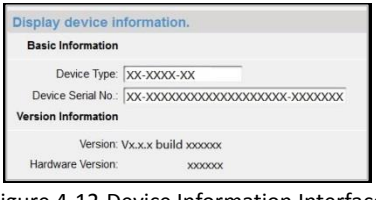


Figure 4-12 Device Information Interface

General

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

Figure 4-13 Device General Parameters Settings Interface

Time

Steps:

1. Click the **Time** button to enter the device time settings interface.

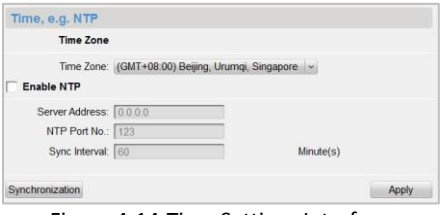


Figure 4-14 Time Settings Interface

2. Select Time Zone or Enable NTP
   - **Time Zone**
   1) Select a time zone from the drop-down list menu.
   2) Click the **Synchronization** button.
   - **NTP**
   1) Check the checkbox of **Enable NTP** to enable NTP.
   2) Enter the server address, NTP port, and synchronization interval.
3. Click the **Apply** button to save and realize the time settings.

NOTE

The default Port No. is 123.

System Maintenance

Purpose:

You can operate the system management and remote upgrading on the system maintenance interface.

Steps:

1. Click the **System Maintenance** button to enter the system maintenance interface.
2. Select **System Management** or **Remote Upgrade**.
   - **System Management**
   - **Reboot**

1) Click the **Reboot** button to pop up the reboot dialog box.

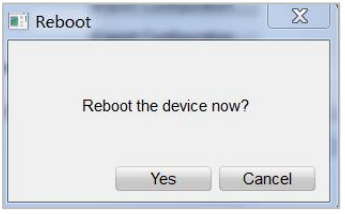


Figure 4-15 Reboot

2) Click the **Yes** button to reboot the system.

- **Restore Default Settings**

1) Click the **Restore Default Settings** button to pop up the restore default settings dialog box.

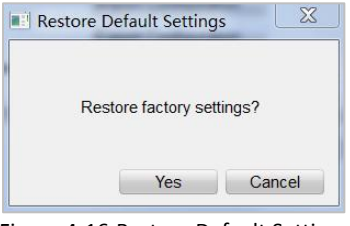


Figure 4-16 Restore Default Settings

2) Click the **Yes** button to restore the default parameters.

- **Restore All**

1) Click the **Restore All** button to pop up the restore all settings dialog box.

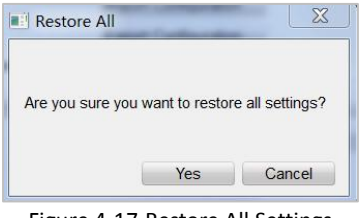


Figure 4-17 Restore All Settings

2) Click the **Yes** button to restore all parameters of device and reset the device to inactive status.

- **Import Configuration File**

1) Click the **Import Configuration File** button to pop up the import file window.

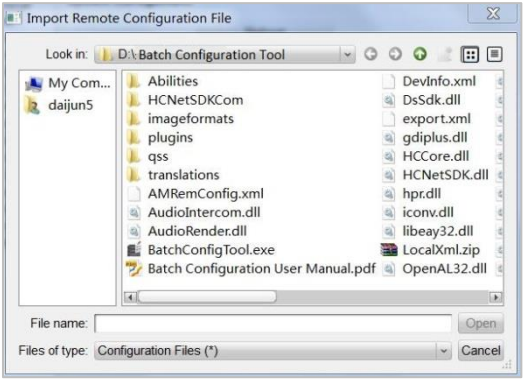


Figure 4-18 Import Configuration File Window

2) Select the path of remote configuration files.
3) Click the **Open** button to import the remote configuration file and pop up a reboot information dialogue box.

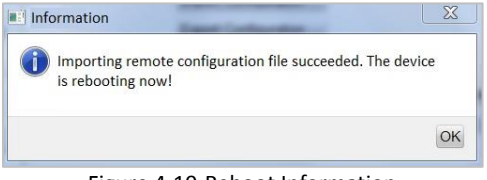


Figure 4-19 Reboot Information

- **Export Configuration File**

1) Click the **Export Configuration File** button to pop up the export file window.

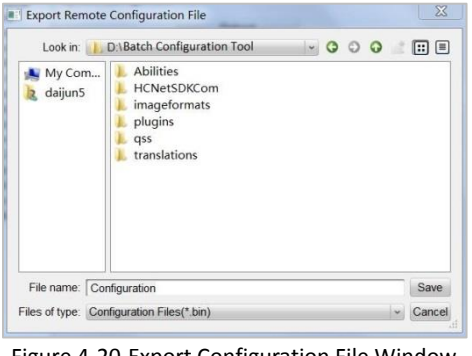


Figure 4-20 Export Configuration File Window

2) Select the save path of remote configuration files.
3) Click the **Save** button to export the configuration file, and pop up an information box for exporting.

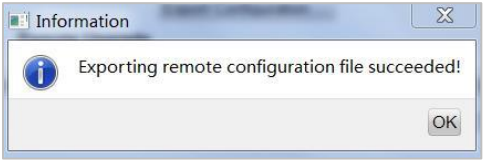


Figure 4-21 Information Box for Exporting

- **Remote Upgrade**

- **Reboot**

1) Click the button to pop up the window for opening upgrade file.

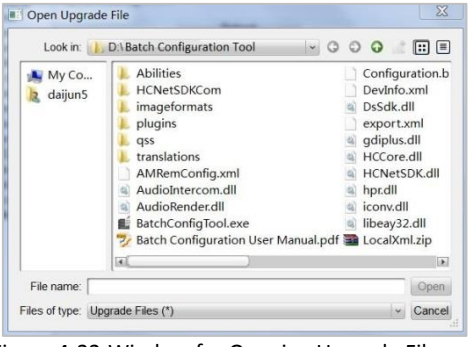


Figure 4-22 Window for Opening Upgrade File

2) Select the upgrade file, and click the Open button.
3) Click the Upgrade button to remotely upgrade the device.

Figure 4-23 Remote Upgrade

User

Purpose:

You can edit the password to log in the device.

Steps:

1. Click the **User** button to enter the user information editing interface

Figure 4-24 User Information Editing Interface

2. Select the user to edit and click the Modify button to enter the user parameter interface.

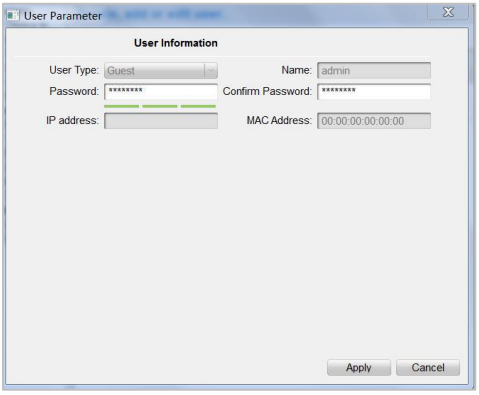


Figure 4-25 User Parameter Interface

3. Enter the new password, and confirm it.
4. Click the **Apply** button to realize the editing of password.

NOTE

- The new password and confirm password should be identical.
- After editing the password of device, click 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.

RS485

Click the **RS485** button to enter the RS485 setting interface. You can view and edit the RS485 parameters of the device.

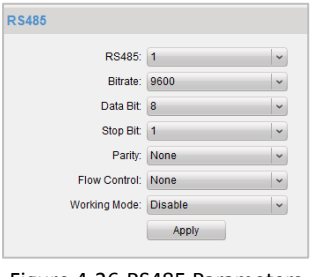


Figure 4-26 RS485 Parameters

4.4.2 Video Intercom

Click the **Video Intercom** button on the remote configuration interface to enter the video intercom parameters settings: **Device Number Configuration, Time Parameters, Password, IP Camera Information,** and **Volume Input and Output Configuration.**

Device Number Configuration

Steps:

1. Click the **Device Information** button to enter device number configuration interface.

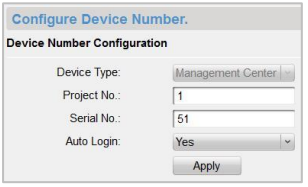


Figure 4-27 Device Number Configuration Interface (Master Station)

2. Enter the project No., and No.
3. Select Yes or No from the drop-down list menu of auto login.
4. Click the **Apply** button to enable the device number configuration.

NOTE

The number ranges from 51 to 99.

Time Parameters

1. Click the **Time Parameters** button to enter time parameters settings interface.

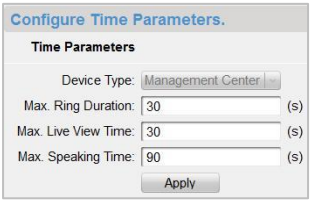


Figure 4-28 Time Parameters Settings Interface

2. Set the maximum ring duration, and the maximum live view time.
3. Click the **Apply** button to enable the time parameters settings.

NOTE

- Maximum ring duration is the maximum duration of indoor station when it is called without being received. The range of maximum ring duration varies from 30s to 60s.
- Maximum live view time is the maximum time of playing live view of the indoor station. The range of maximum live view time varies from 10s to 60s.
- Maximum speaking time is the maximum time of speaking when it is called successfully. The range of maximum speaking time varies from 90s to 120s.

Password

1. Click the **Password** button to enter password changing interface.

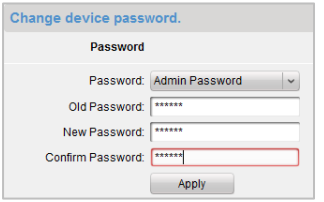


Figure 4-29 Password Changing Interface

2. Select the admin password, arming/disarming password, unlocking password, or duress code from the drop-down list menu.
3. Enter the old password.
4. Set a new password.
5. Confirm the new password.
6. Click the **Apply** button to enable the password changing settings

IP Camera Information

Purpose:

You can add, delete and modify network IP cameras with two ways of getting stream: direct or URL. You can also import and export the IP camera information.

Steps:

1. Click the **IP Camera Information** button to enter IP camera information interface.

Adding Network IP Camera

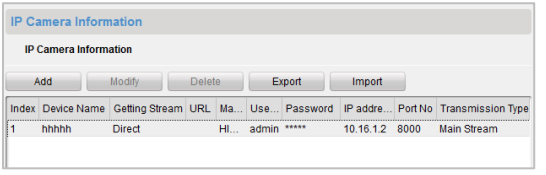


Figure 4-30 IP Camera Information Interface

1) Click the **Add** button on the IP camera information interface to pop up the

adding IP camera dialogue box.

2) Select Network IP Camera from the drop-down list menu of the device type.
3) Select Direct from the drop-down list menu of getting stream.

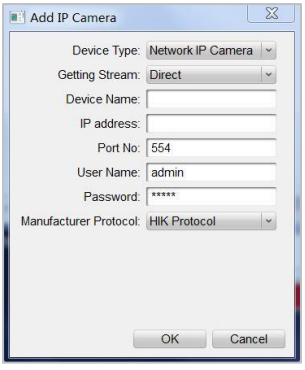


Figure 4-31 IP Camera Adding by Direct Stream

- Set a device name.
- Enter the IP address, port No., user name, and password.

4) Select URL from the drop-down list menu of getting stream.

Figure 4-32 IP Camera Adding by URL

- Set a device name.
- Enter the URL address.

2. Click the **OK** button.

Volume In and Out

Click the **Volume In and Out** button to enter the volume in and out interface. Slide the slider to adjust the volume input and volume output.

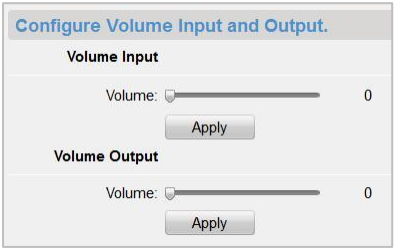


Figure 4-33 Volume In and Out Interface

4.4.3 Network

Click the **Network** button on the remote configuration interface to set network configurations: **Local Network Configuration, and Linked Network Configuration.**

Local Network Configuration

Steps:

1. Click the **Local Network Configuration** button to enter local network configuration interface.

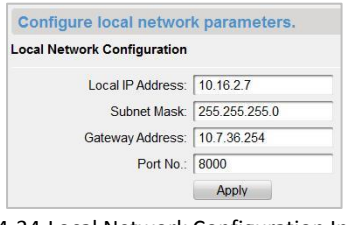


Figure 4-34 Local Network Configuration Interface

2. Enter the local IP address, subnet mask, gateway address, and port No..
3. Click the **Apply** button to enable the settings.

- 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 Devices Network Configuration

Purpose:

In the linked devices network configuration interface, you can configure SIP server IP address.

Steps:

1. Click the **Linked Network Configuration** button to enter linked network configuration interface.

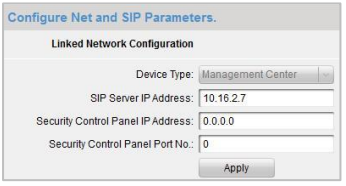


Figure 4-35 Linked Devices Network Configuration Interface

2. Enter the SIP server IP address, security control panel IP address and security control panel port No..
3. Click the **Apply** button to enable the settings.

5 Setting the Master Station via iVMS-4200

5.1 System Configuration

After running the iVMS-4200, enter **Control Panel -> Maintenance and Management -> System Configuration -> Video Intercom** to configure the video intercom parameters accordingly.

You can configure the ringtone, Max. ring duration, Max. speaking time with indoor station and Max. speaking time with door station.

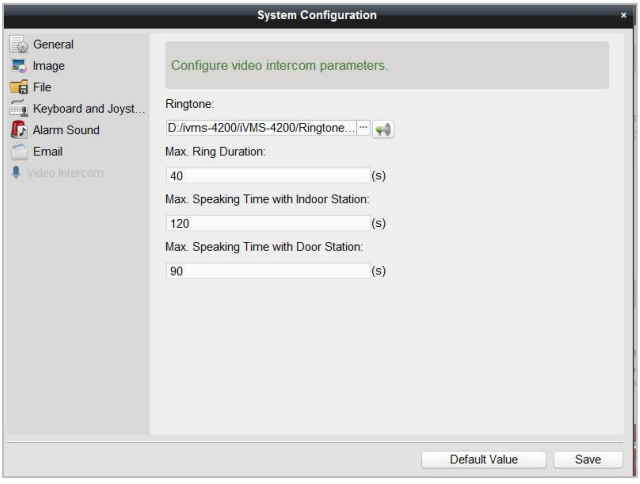


Figure 5-1 System Configuration Interface

NOTE

- Maximum ring duration is the maximum duration of master station when it is called without being received. The range of maximum ring duration varies from 15s~60s.
- Maximum speaking time with indoor station is the maximum time of speaking when it is called to indoor station successfully. The range of maximum speaking time with indoor station varies from 120s ~ 600s.
- Maximum speaking time with door station is the maximum time of speaking when it is called to door station successfully. The range of maximum speaking time with indoor station varies from 90s ~ 120s.

5.2 Device Management

Device management includes activating device, adding device, editing device, deleting device and remote configuration. Please refer to *Chapter 4 Batch Configuration Tool* for detailed information.

NOTE

You can add at most 512 master stations and indoor stations to iVMS-4200 client software.

5.3 Device Arming Control

Steps:

1. Select **Tool**->**Device Arming Control** to enter the device arming control interface.

Figure 5-2 Tool Menu

2. Set the arming status of the device as armed, and the alarm information will be auto uploaded to the client software when alarm occurs.

Figure 5-3 Device Arming Control

Figure 5-4 Alarm Events

After adding the device to the client software, it will be armed automatically.

Appendix

Wiring Cables

Cables	Specification
Power Cable	RVV 2*1.0
Network Cable	Cat5e

Warning

To avoid echo and whistles, set the wire distance longer than 8 meters.

Specification

Model / Parameters	DS-KM8301
System Parameters	
Processor	High-Performance Embedded SOC Processor
Operation System	Embedded Linux Operation System
Video Parameters	
Camera	CMOS 130 WP
Video Compression Standards	H.264
Resolution	1280 x 720
Video Frame	12.5 fps
Display Parameters	
Display Screen	7-Inch Colorful TFT LCD
Resolution	1024 x 600
Operation Method	Capacitive Touch Screen, Touch Key, Physical Button
Operation Interface	Flattened UI Operation Interface

Audio Parameters	
Audio Input	Built-in Omnidirectional Microphone + External Handset
Audio Output	Internal Loudspeaker + External Handset
Audio Compression Standard	G.711U
Audio Compression Rate	64 Kbps
Audio Quality	Noise Suppression and Echo Cancellation
Network Parameters	
Ethernet	1 RJ45 10/100 Mbps Self-Adaptive Ethernet
Network Protocol	TCP/IP, SNMP, SIP, RTSP
Device Interface	
Internet Access	1 RJ45 10/100 Mbps Self-Adaptive Internet Access
RS-485	2 RS-485 Half-Duplex Ports
USB	1 USB Interface for Inserting U-Disk
I/O Input	4 On-off Input
I/O Output	2 On-off Output, 2 Relay Output
Other Parameters	
Material	Plastic
Power Supply	DC 12V
Power Consumption	≤10 W
Working Temperature	-10° C to +55° C (14° F to 131° F)
Working Humidity	10% to 90%
Dimension	436 mm × 215 mm × 67 mm (17.2" ×8.5" × 2.6")
Certification	FCC, IC, CE, C-TICK, ROHS, REACH, WEEE


First Choice for Security Professionals