Panic Alarm Station with Covert Camera

Quick Start Guide

Quick Start Guide

About this Manual

This Manual is applicable to panic alarm station.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (http://overseas.hikvision.com/en/). Please use this user manual under the guidance of professionals.

Trademarks Acknowledgement

Legal Disclaimer

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 2014/30/EU, LVD Directive 2014/35/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 (A)/NMB-3(A) standards requirements.

Applicable Models

This manual is applicable to DS-PEA series panic alarm station.

Product	Model
Panic Alarm Station	DS-PEA1-N1, DS-PEA1-N2,

Symbol Conventions

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

Symbol	Description
![NOTE icon] NOTE	Provides additional information to emphasize or supplement important points of the main text.
![WARNING icon] WARNING	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
![DANGER icon] DANGER	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

Safety Instruction

⚠ WARNING
- The device should be used in compliance with local laws and electrical safety regulations. Refer to the appropriate documentation for detailed information.
- The input voltage should conform to IEC60950-1 standard: SELV (Safety Extra Low Voltage) and the Limited Power Source (24 VAC/12 VDC). Refer to the appropriate documentation for detailed information.
- DO NOT connect multiple devices to one power adapter, to avoid over-heating or fire hazards caused by overload.
- Make sure the plug is properly connected to the power socket.
- If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.

⚠ WARNING
- Do not drop the device or subject it to physical shock.
- Wipe the device gently with a clean cloth and a small quantity of ethanol, if necessary.
- Do not aim the lens at the sun or any other bright light.
- When any laser equipment is in use, make sure that the device lens is not exposed to the laser beam, or it may burn out.
- Do not expose the device to high electromagnetic radiation or extremely hot, cold, dusty, or damp environments, the appropriate temperature is -40℃ to 60℃.

- Place the device in a dry and well-ventilated environment.
- Keep non-waterproof devices away from liquids.
- Keep the device in original or similar packaging while transporting it.
- A few device components (e.g., electrolytic capacitor) require regular replacement. The average lifespan varies, so periodic checking is recommended. Contact your dealer for details.
- Improper use or replacement of the battery may result in explosion hazard. Replace with the same or equivalent type only. Dispose of used batteries in conformance with the instructions provided by the battery manufacturer.
- Never attempt to disassemble the device.

Table of Content

Chapter 1 Overview

1.1 Description

This series of panic alarm station with covert camera supports two-way audio communication. It is equipped with a 2MP built-in covert camera. The device with help button or without help button can be selected. It implements cascading communication via network cable wiring.

1.2 Key Features

- Network, video and audio adaptive
- Voice intercom, alarm video storage, video download and playback
- Two RJ45 network interfaces, supports cascading communication
- Video compression: H.264
- Audio compression: G.711 and G726
- Built-in 2MP 1080P IR HD wide angle camera; supports capture, record, and live view
- Built-in high sensitivity microphone
- Full-band speakers and pickups supports anti-breaking sound technology
- Multiple network protocols: TCP/IP, SNMP, RTSP and SADP
- Anti-electromagnetic interference, tamper-proof, explosion-proof, and anti-lightning

Chapter 2 Appearance

There are two types of the panic alarm stations: Panic alarm station without Help button and panic alarm station with Help button.

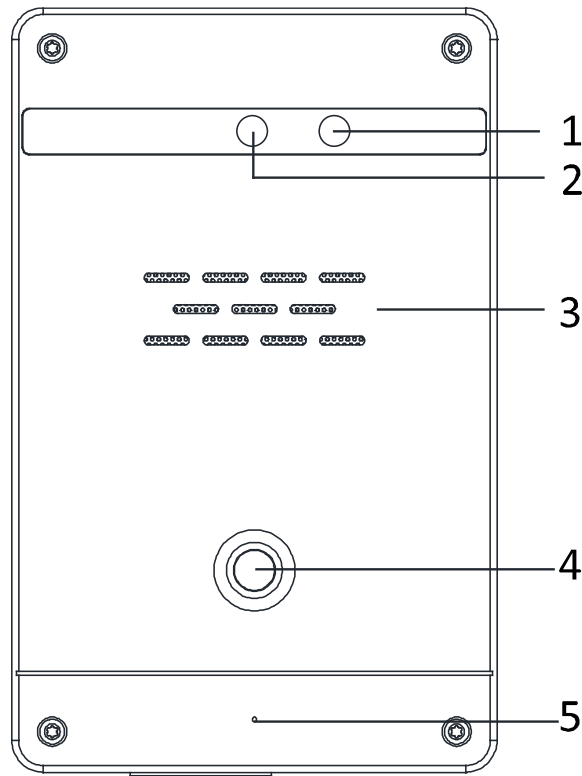## 2.1 Panic Alarm Station without Help Buttonn

Figure 2-1 Panic Alarm Station without Help Button

Table 2-1 Components Description

No.	Description	No.	Description
1	IR Light	4	Panic Button
2	Covert Camera	5	Microphone
3	Loudspeaker		

2.2 Panic Alarm Station with Help Button
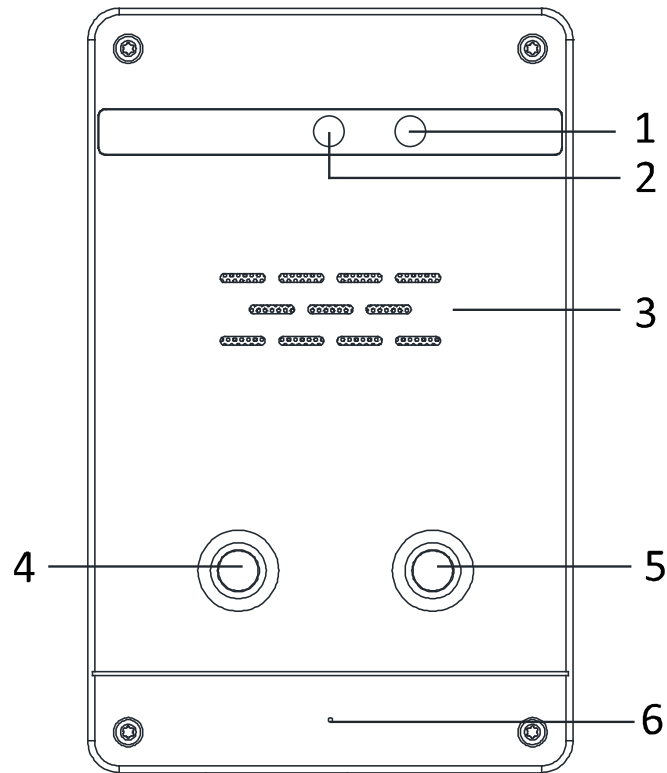
Figure 2-2 Panic Alarm Station with Help Button

Table 2-2 Components Description

No.	Description	No.	Description
1	IR Light	4	Panic Button
2	Covert Camera	5	Help Button
3	Loudspeaker	6	Microphone

Chapter 3 Installation and Wiring

3.1 Typical Application

The series of panic alarm station supports cascading communication via network cable wiring. The typical application of the system is shown in the following picture.
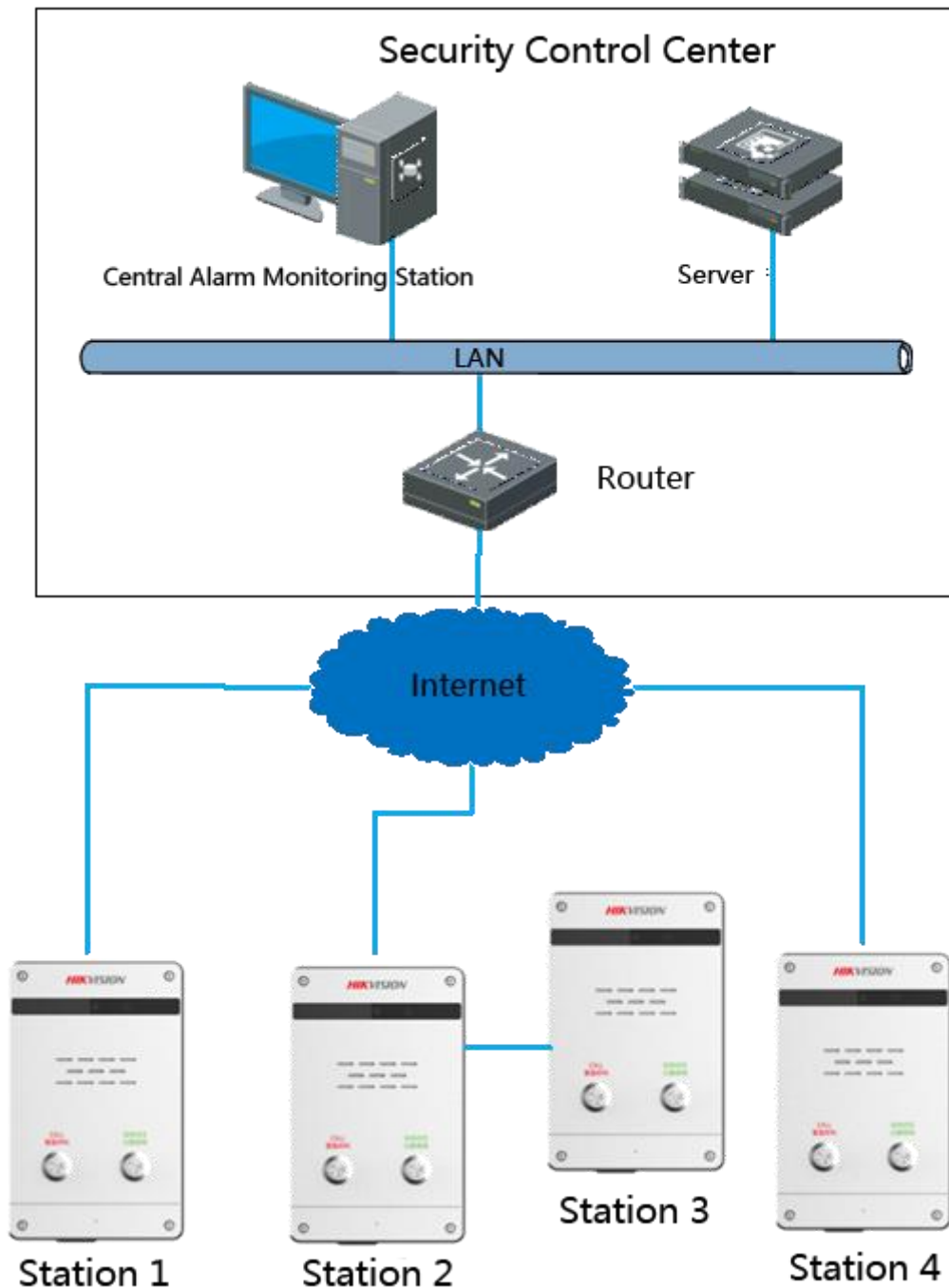

Figure 3-1 Typical Application

3.2 Wiring Description

Take the panic alarm station with help button as an example, the main board description is shown in Figure 3-2.
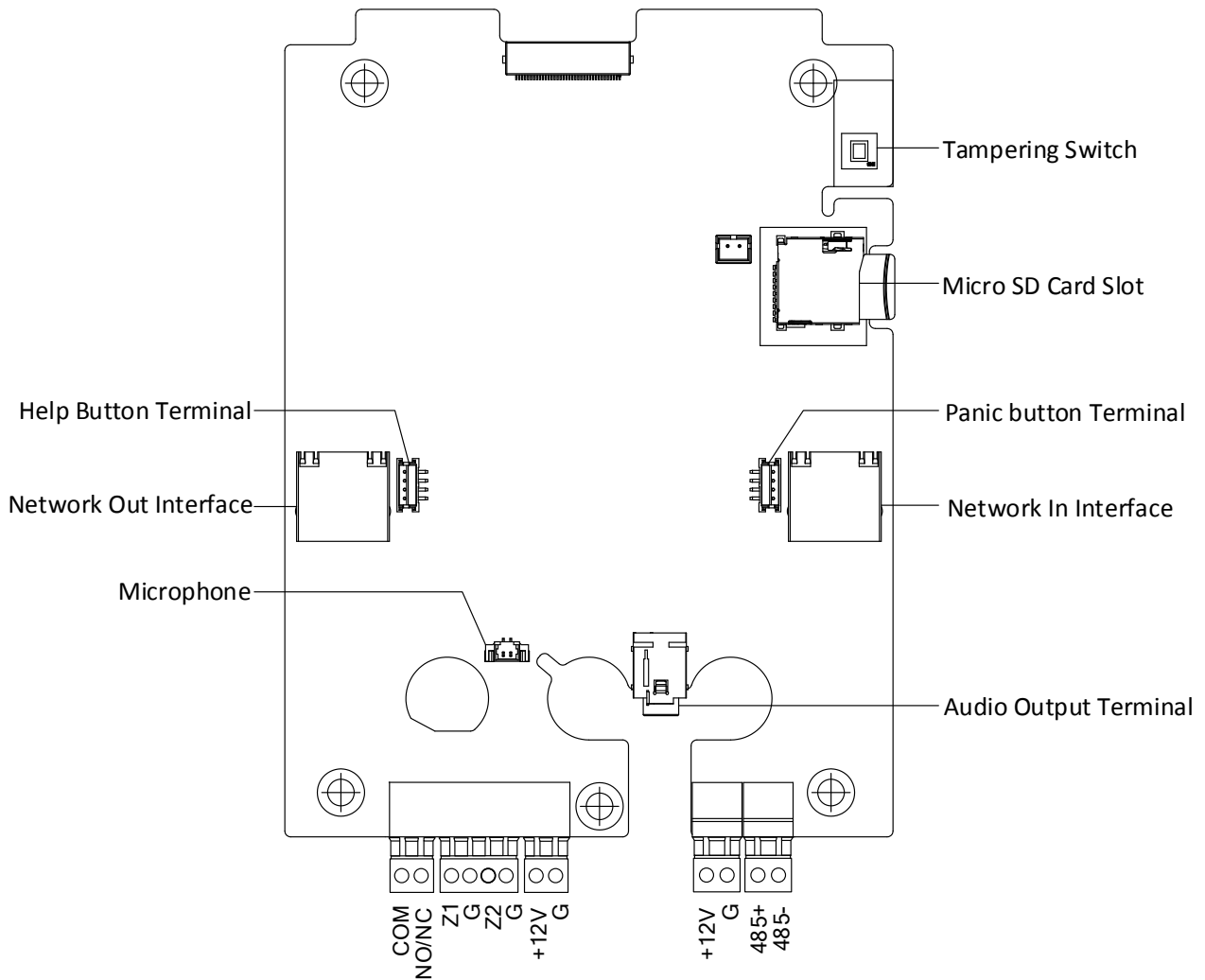
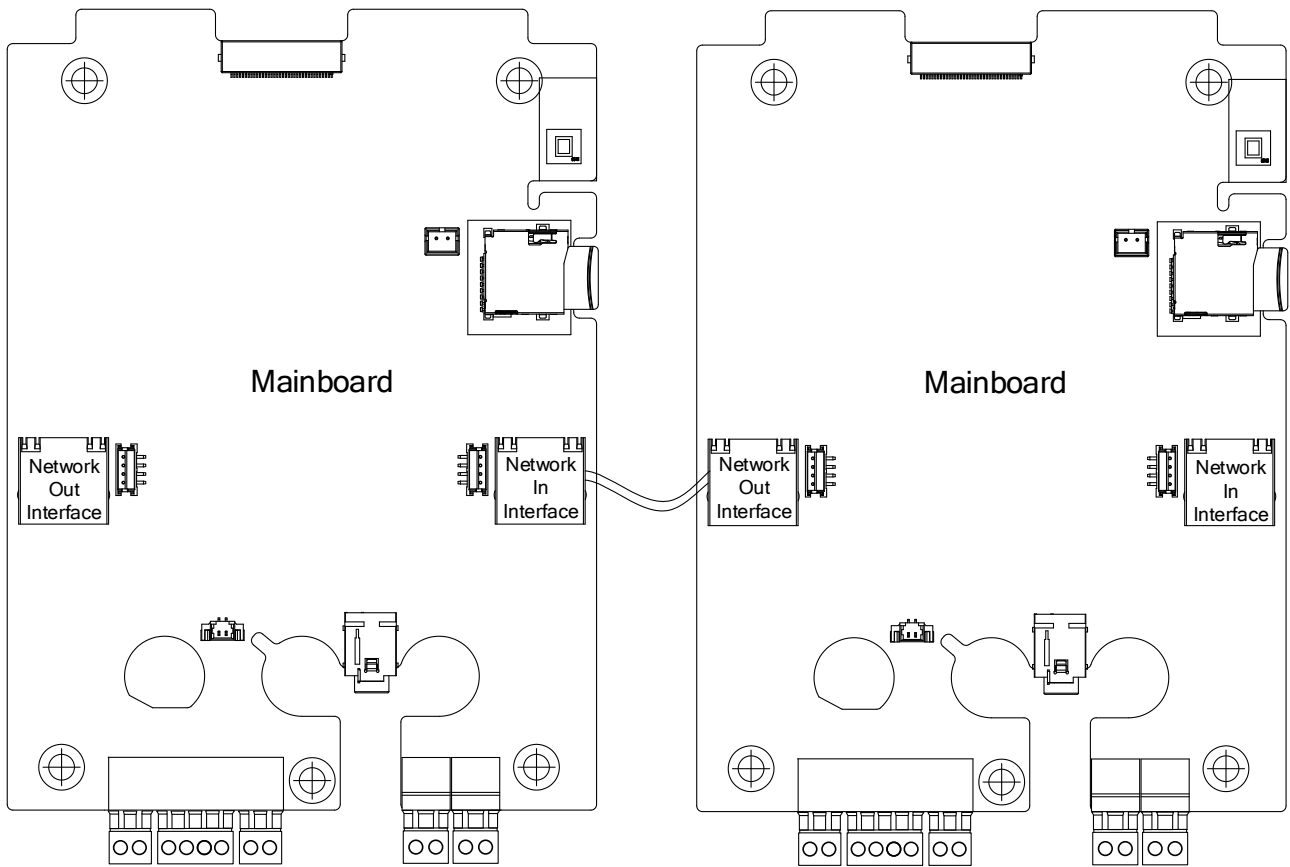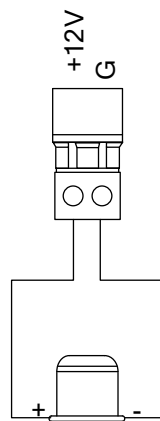Figure 3-2 Mainboard of Alarm Station

3.2.2 Network Wiring

Figure 3-3 Network Wiring

3.2.3 Alarm Output Wiring

Alarm Senor

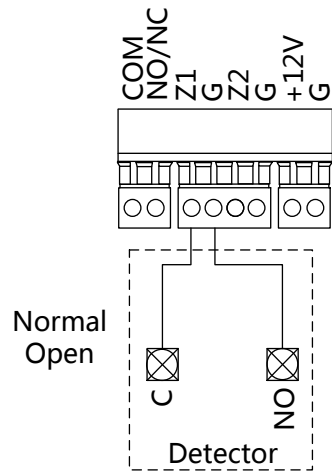Figure 3-4 Alarm Output Wiring

3.2.4 Alarm Input Wiring (Normally Open)

Figure 3-5 Alarm Input Wiring (NO)
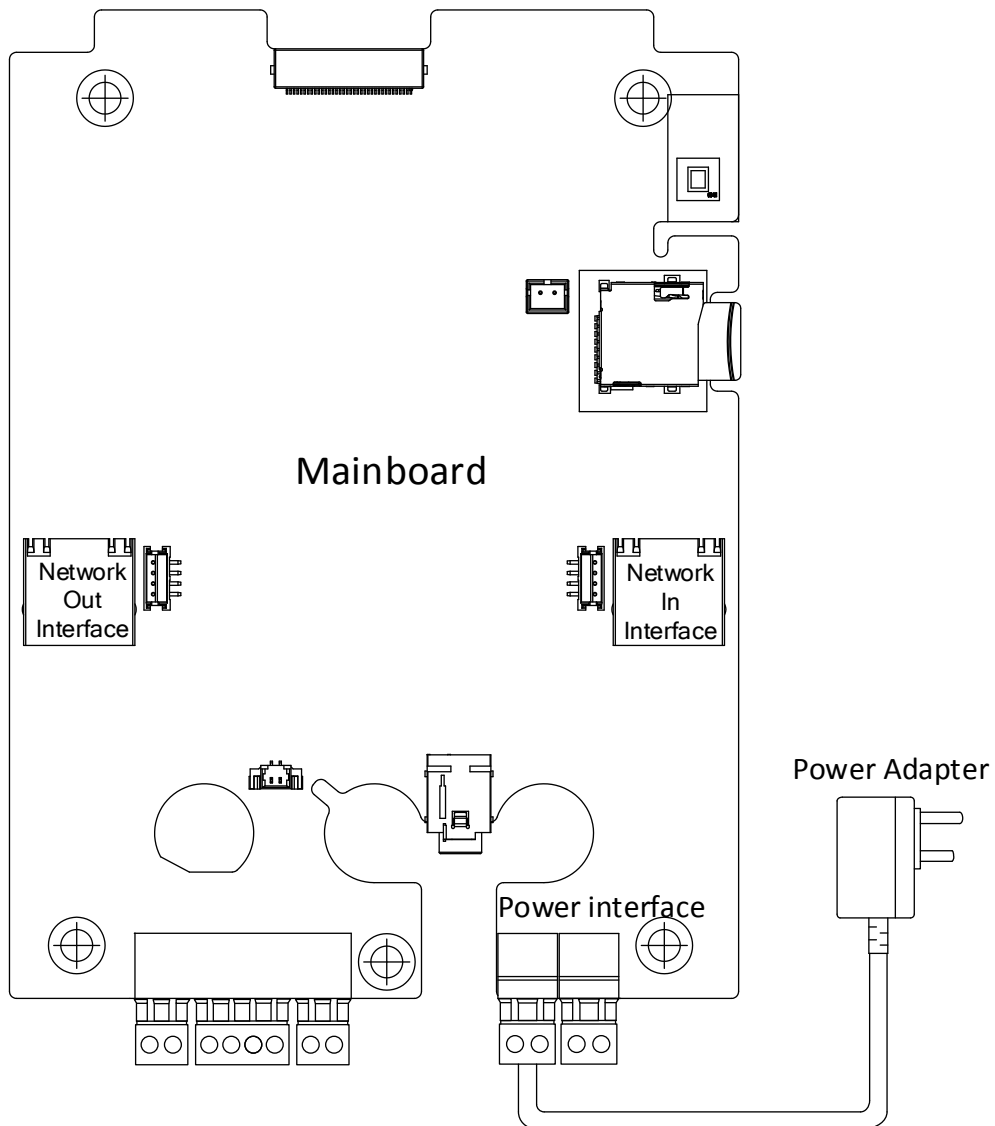
3.2.5 Power Supply Wiring

Figure 3-6 Power Supply Wiring

ℹ️ **NOTE**

The standard of power supply should be 12 VDC/2A.

3.3 Installation

3.3.1 Installation Description

 NOTE

- Please check whether there are all relevant accessories in the package before installation. The installation of the alarm station requires 86 gang box. (Gang box is optional.)
- Make sure the power supply is appropriated (12VDC).
- Make sure the device is powered off before installation..

Step 1 Drill a hole in the wall, and fix the gang box in the wall. The size of the hole should be 76 mm (width) × 76 mm (length) × 50 mm (depth).

Step 2 Fix the rear panel of the alarm station to the gang box with two screws (supplied).

Step 3 Route the cables and complete the wiring. Refer to 3.1 for wiring details.

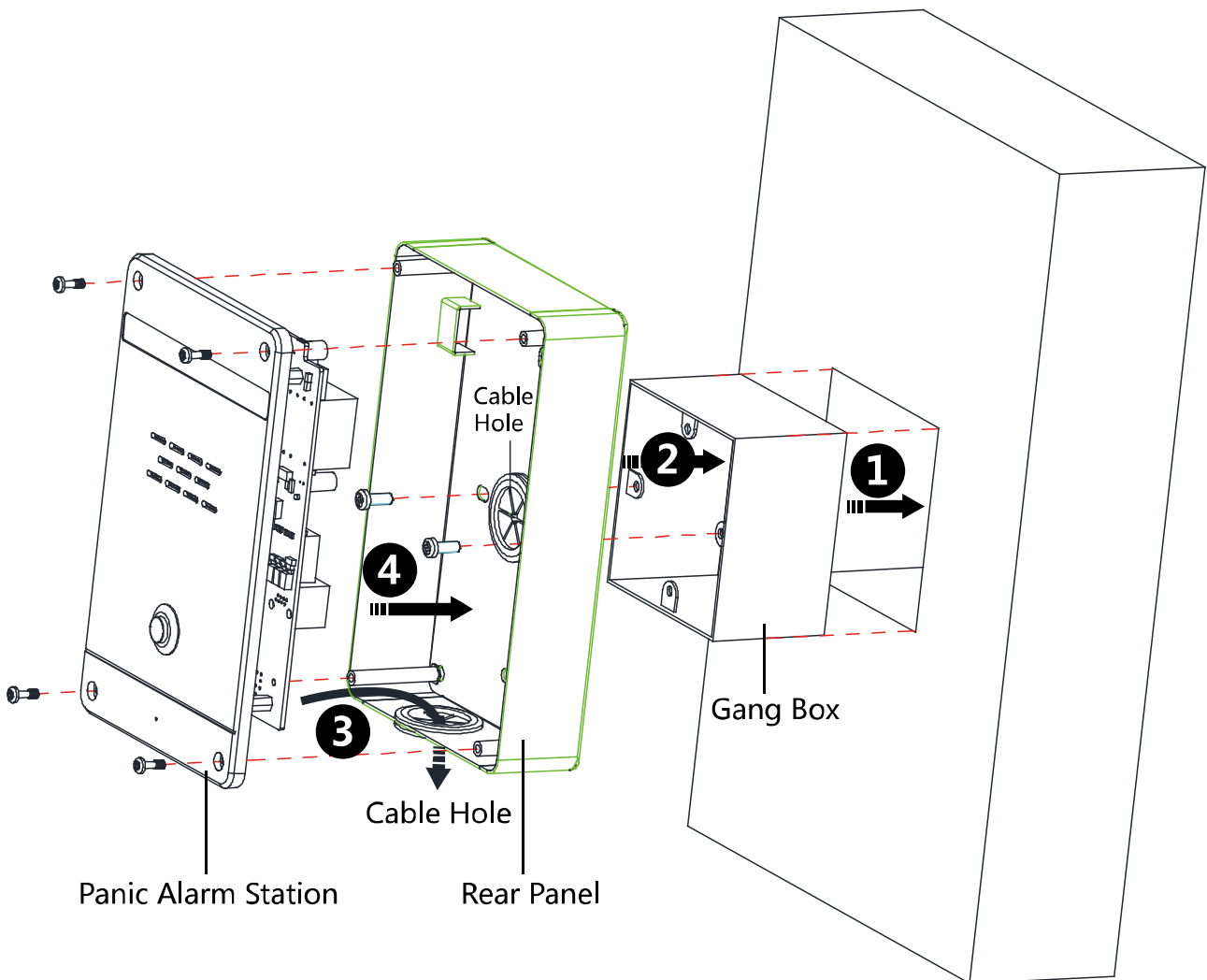Step 4 Secure the panic alarm station to the rear panel with four screws (supplied).

Figure 3-7 Installation

Chapter 4 Device Remote Operation

Purpose:

For the first time use of the device, you are required to activate the device and set the activation password. You can activate the device with SADP Tool, or with iVMS-4200 client software.
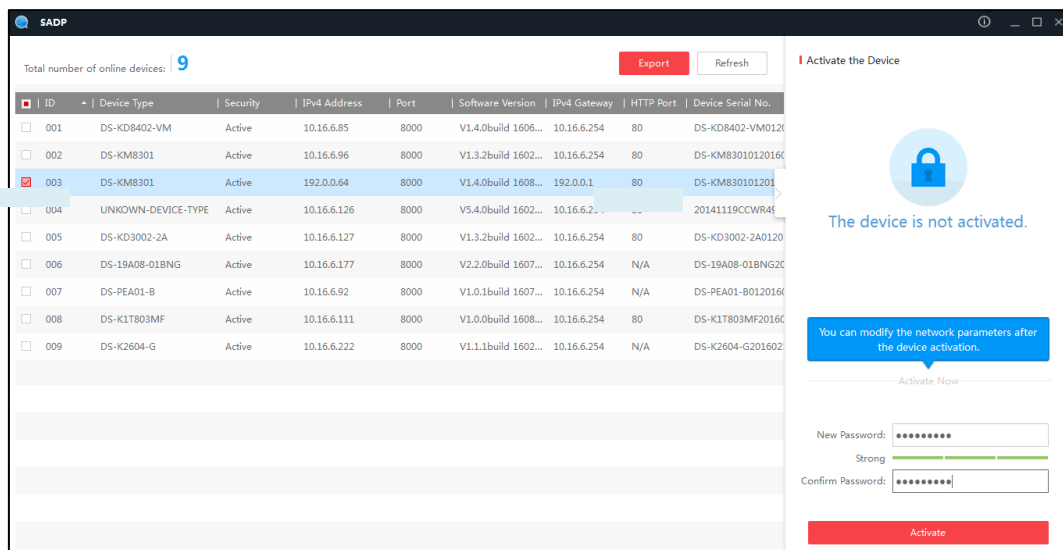
The default values of alarm station are as follows.

- The default IP address: 192.0.0.65.
- The default port No.: 8000.
- The default username (administrator): admin.

4.1 Activation via SADP Tool

Step 1 Run the SADP software to search the online devices.

Step 2 Check the device status from the device list, and select an inactive device.

Step 3 Create a password and input the password in the password field, and confirm the password.

> ⚠ **STRONG PASSWORD RECOMMENDED**– *We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including 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.*

Step 4 Click **OK** to save the password.

You can check whether the activation is completed on the popup window. If activation failed, please make sure that the password meets the requirement and then try again.

Step 5 Change the device IP address to the same subnet with your computer by either modifying the IP address manually or checking the checkbox of Enable DHCP.

Step 6 Input the password and click the **Modify** button to activate your IP address modification.

4.2 Remote Operation via Client Software

4.2.1 Activation via Client Software

The client software is versatile video management software for multiple kinds of devices.

Get the client software from the supplied disk or the official website, and install the software according to the prompts. Follow the steps to activate the control panel.

Step 1 Run the client software and the control panel of the software pops up, as shown in the figure below.
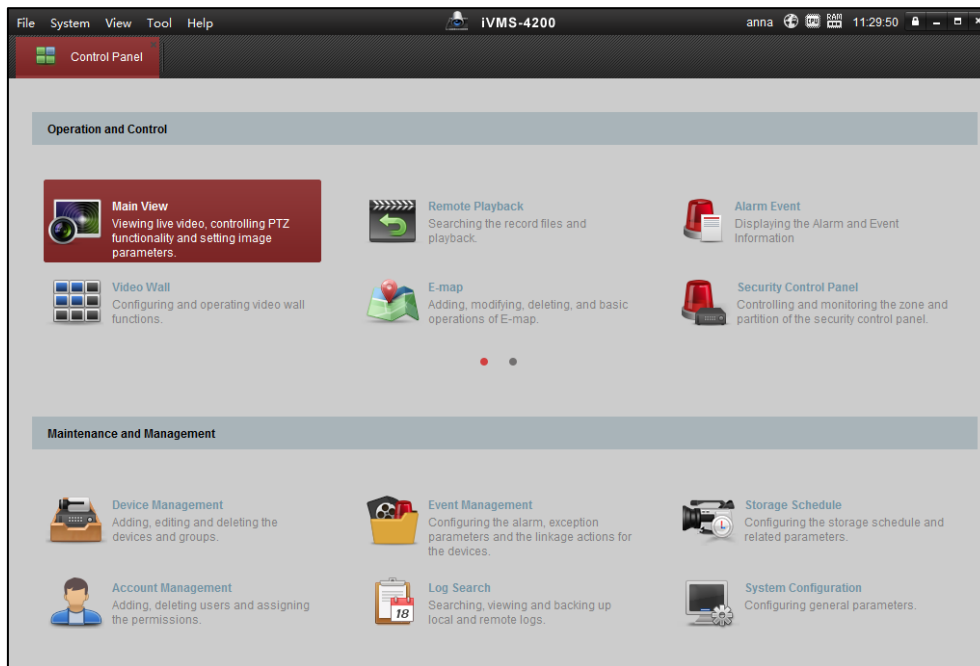
Step 2 Click the **Device Management** icon to enter the Device Management interface, as shown in the figure below.

Step 3 Click **Add Device Type** to enter the adding device type page.

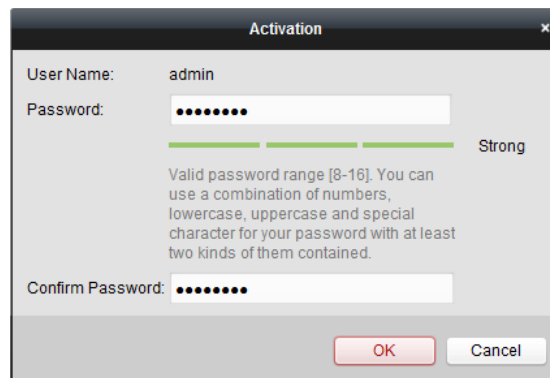Step 4 Select **Security Control Panel**.
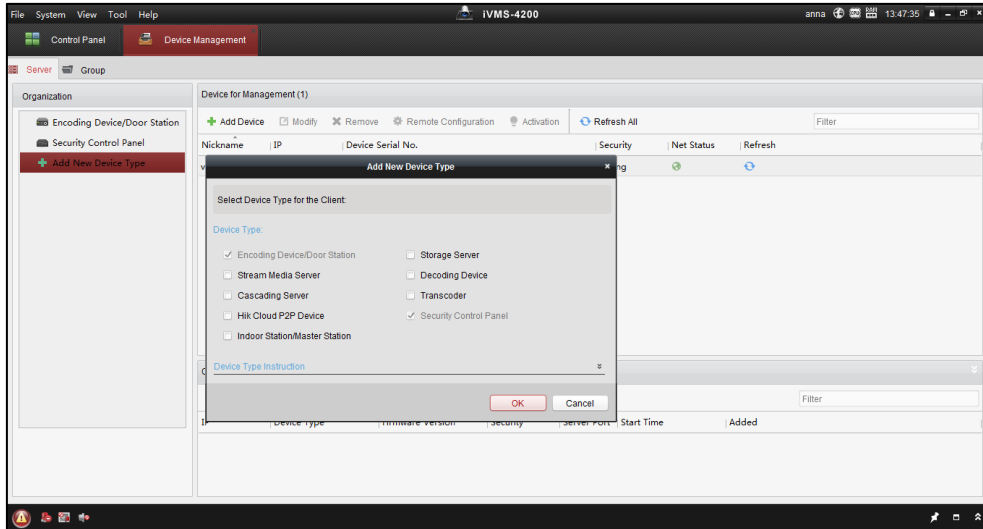
Step 5 Click Security **Control Panel** in the **Organization** list.

Step 6 Check the device status from the device list, and select an inactive device.

Step 7 Click the **Activate** button to pop up the Activation interface.

Step 8 Create a password and input the password in the password field, and confirm the password.

⚠️ **STRONG PASSWORD RECOMMENDED**– *We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including 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.*

Step 9 Click OK button to start activation.

Step 10 Click the **Modify Netinfo** button to pop up the Network Parameter Modification interface, as shown in the figure below.
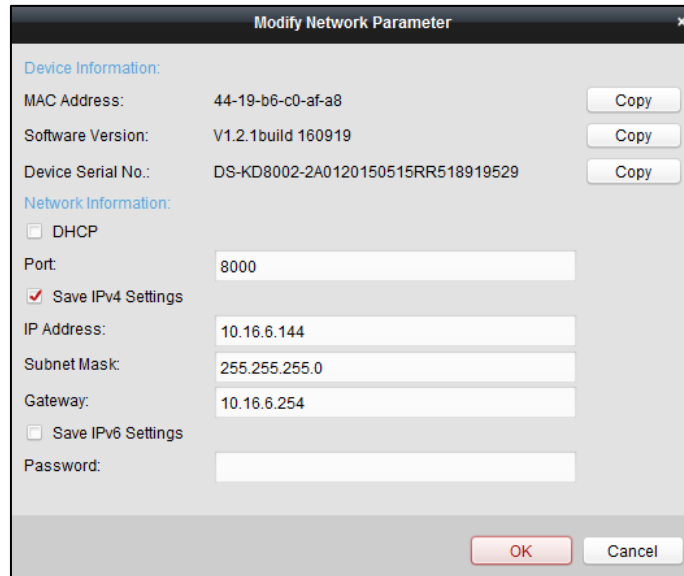
Step 11 Change the device IP address to the same subnet with your computer by either modifying the IP address manually or checking the checkbox of Enable DHCP.

Step 12 Input the password to activate your IP address modification.

4.2.2 Add a Device

Step 1 Click the icon on the control panel to enter the Device Management interface and click the **Server** tab.
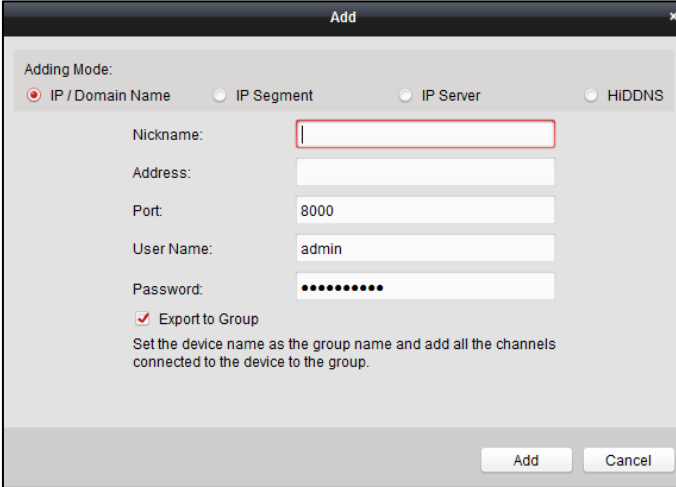
Step 2 Click **Add New** Device **Type** on the Organization list and select **Security Control Panel**.

Step 3 Click **OK** to save the settings, and the added security control panel type is displayed on the Organization list.
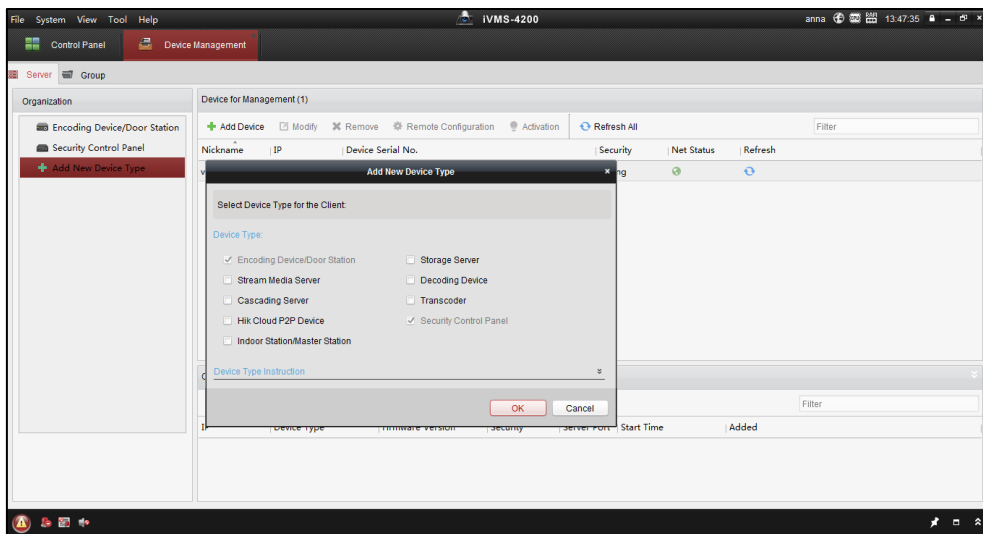
Step 4 Click Security Control Panel and click Add Device to add the device to the management list of the software.

Step 5 You can add the active online devices in the same local subnet with the client software, or select the adding mode by IP/Domain Name, by IP segment, by IP Server, or by HiDDNS, and configure the corresponding settings for the device. Take IP/Domain Name as an example.

Step 6 Input the required information.

Nickname: Edit a name for the device as you want.

Address: Input the device's IP address or domain name.

Port: Input the device port number. The default value is *8000*.

User Name: Input the device user name.

Password: Input the device password.

Step 7 Optionally, you can check the checkbox **Export to Group** to create a group by the device name. All channels and alarm inputs of the device will be imported to the corresponding group by default.

Step 8 Click **Add** to add the device.

4.2.3 Zone Settings

Step 1 Click Device **Management > Security Control Panel > Remote Configuration > Alarm > Zone** to enter the Zone configuration interface.

Step 2 In the Alarm Input list, select an alarm input channel and click the icon to enter the zone settings interface.
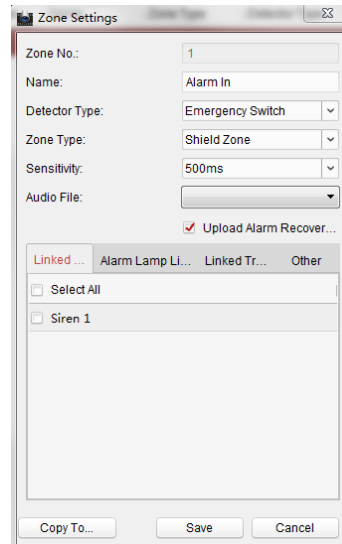
Step 3 Edit the general information of the zone, including name, detector type, zone type, sensitivity, audio file etc.

Detector Type: Select the type of the detector.

Zone Type: Select the type of zone in the partition.
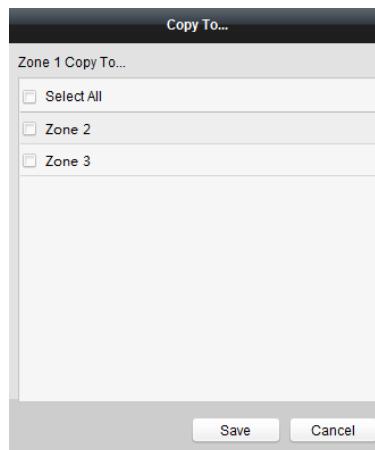
Sensitivity: Select the response time of the zone.

Step 4 Select the linked siren, alarm lamp, linked trigger and others.

Step 5 Click **Copy to** to copy all these settings to other zones.

Step 6 Click **Save** to save the settings.

 NOTE

Four zone types in the Zone Parameters: Instant Zone, Fire Alarm Arming Zone, 24 Hour Non-voiced Zone and Shield Zone.

Instant Zone	Alarm is sent out without any delay once the detector is triggered.
Fire Alarm Arming Zone	When the 24-hour armed zone is triggered by fire alarm, sirens will send out resonant and special sound.
24 Hour Non-voiced Zone	When the 24-hour armed zone is triggered, it will send alarm reports to the surveillance center without any audible warning. The 24 hour silence alarm zone is not affected by manual or scheduled arming/disarming.
Shield Zone	The alarm will not be triggered.

Panic alarm station has three zones among which two are ordinary zones and one is emergency zone.
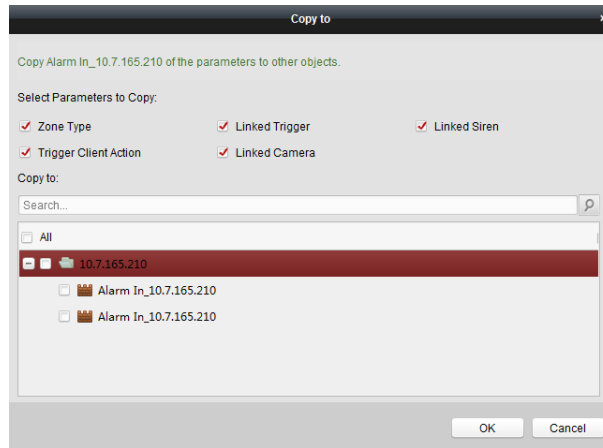
4.2.4 Zone Event Settings

Steps:

Step 1 Click **Control Panel > Event Management > Zone Event** to enter the Zone Event configuration interface.
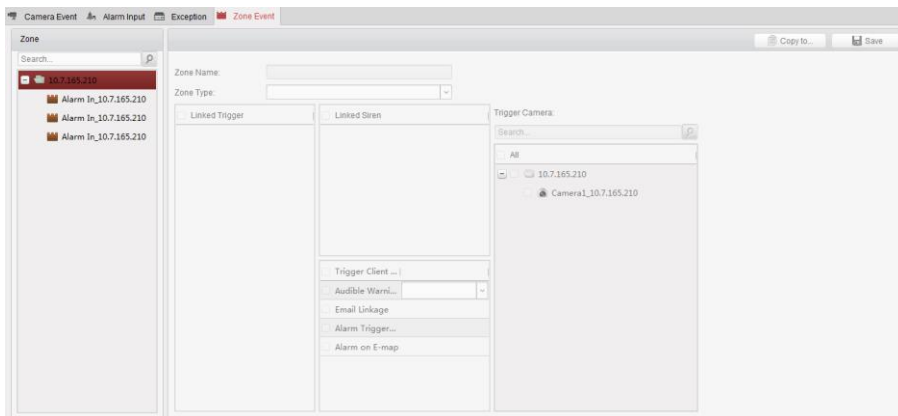
Step 2 Select the corresponding zone on the left and then tick necessary items.

Step 3 (Optional) Click **Copy to** to tick the necessary items.

Step 4 Click **Save** to save the settings.

 NOTE

The Alarm In is emergent by default.

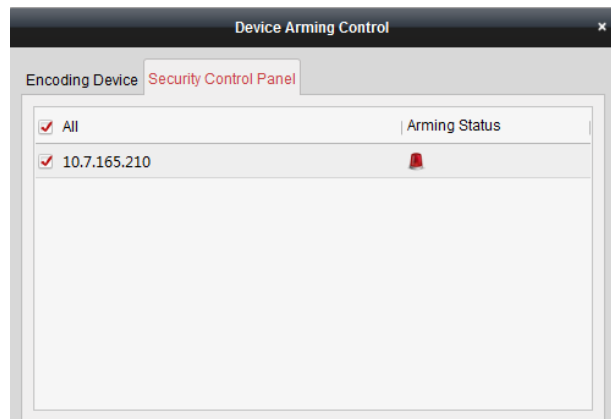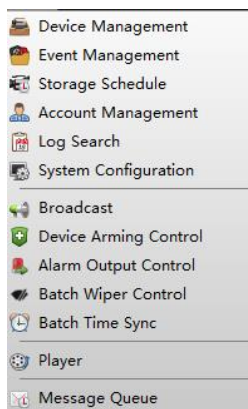## 4.2.5 Alarm Pop-up Window Settings

Purpose：

When the devices are armed, the alarm intercom will pop up once the detectors are triggered.

Enable Pop-up Window Function

When the devices are arming, enable the pop-up window by following the steps bellow.

Steps:

Step 1 Click **Tool > Device Arming Control** to enter the device arming control interface.

Step 2 Click the alarm device to make it in the state of arming.

Pop-up Window Operation

When the window pops up, you can

● click to answer the alarm calling or service consulting;

- click ![icon] to reject the alarm calling or service consulting;

- click ![icon] to hold on the calling or consulting;

- click ![icon] to set volume of audio in and click ![icon] to set the volume of audio out;

- click ![icon] to capture picture;

- click ![icon] to start videoing and click ![icon] to stop videoing.
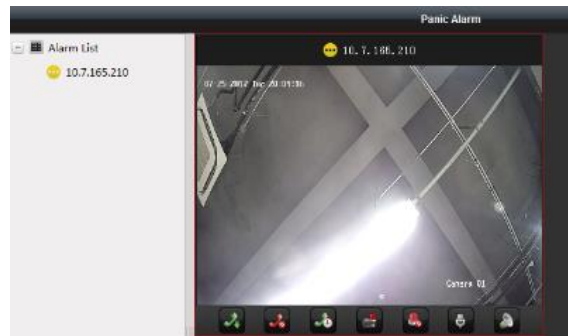
4.3 Broadcast Settings

Steps:

Step 1 Click **Tool > Broadcast** to enter the broadcast management interface.
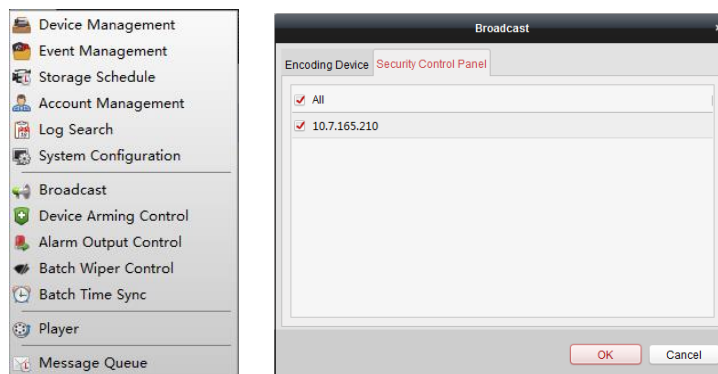
Step 2 Click the corresponding item.

Step 3 (Optional) Unclick the corresponding item if you want to cancel the broadcast.

Step 4 Click Save to save the setting.

![NOTE icon] NOTE

After the broadcast setting, the client can broadcast to multiple devices.

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See Far, Go Further