










# 1 Video Intercom

Currently supported devices are shown below:

No.	Device Type	Model Name	Pic	Products describe/Specification	Software Version
1	Outdoor Station	VEX-B21A		<ul style="list-style-type: none"> <li>• 4.3" color TFT LCD</li> <li>• System: Android 4.4.2</li> <li>• Visible light face recognition</li> <li>• 2MP HD camera with IR support</li> <li>• Anti-spoofing algorithm against photos and videos</li> </ul>	V6.1.0_R
2	Outdoor Station	VEX-B21L		<ul style="list-style-type: none"> <li>• 4.3" color TFT LCD</li> <li>• System: Linux</li> <li>• Premium audio and video quality</li> <li>• Aluminum panel</li> <li>• 2MP HD camera with automatic lighting</li> </ul>	
3	Outdoor Station	VE01-B22L		<ul style="list-style-type: none"> <li>• Open the door by IC/IDcard(20,000users)</li> <li>• System: Linux</li> <li>• Elevator control</li> <li>• Home automation</li> </ul>	
4	Outdoor Station	VE01-B23L		<ul style="list-style-type: none"> <li>• Open the door by password</li> <li>• System: Linux</li> <li>• Elevator control</li> <li>• Home automation</li> </ul>	
5	Outdoor Station	VE01-B28L		<ul style="list-style-type: none"> <li>• Compact Design</li> <li>• Digital WDR</li> <li>• H.264/H.265 Video Codec</li> <li>• Motion Detection</li> </ul>	
6	Indoor Monitor	VT07-B22L		<ul style="list-style-type: none"> <li>• IP Indoor Monitor</li> <li>• 7" TFT LCD</li> <li>• System: Linux</li> </ul>	
7	Indoor Monitor	VT07-B22A		<ul style="list-style-type: none"> <li>• IP Indoor Monitor</li> <li>• 7" TFT LCD</li> <li>• System: Android 6.0.1</li> </ul>	
8	Indoor Monitor	VT10-B21L		<ul style="list-style-type: none"> <li>• IP Indoor Monitor</li> <li>• 10" TFT LCD</li> <li>• System: Linux</li> </ul>	
9	Indoor Monitor	VT10-B21A		<ul style="list-style-type: none"> <li>• IP Indoor Monitor</li> <li>• 10,1" TFT LCD</li> <li>• System: Android 6.0.1</li> </ul>	

## 1.1 Operation Scenario

The Visual intercom module is used as the entry and exit management of people. Visual intercom devices solve problems such as remote identity confirmation, secure visitor management, and remote consultation. It enhances the security of residential communities, commercial buildings, schools, medical institutions, and other places, improves communication efficiency, and provides users with convenient and secure remote communication solutions.

## 1.2 Operation Step

This section describes the configuration process of the **Video Intercom** module service.

The **Video Intercom** module service configuration process is shown in Figure 1-1.

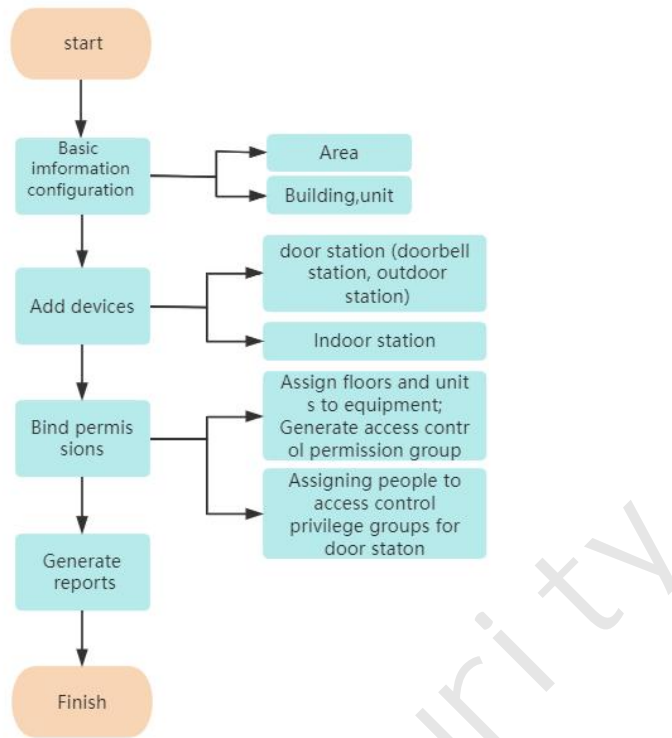


Figure 1- 1 Video Intercom Configuration Process

## 1.3 Basic Management

This section describes how to make basic settings in ZKBio CVSecurity.

### 1.3.1 Building

#### 1.3.1.1 Add building

##### Operation Step:

**Step 1:** In the **Video Intercom** module, choose "**Basic Management > Building**".

**Step 2:** Click **New**, the page for adding buildings is displayed.

**Step 3:** On the page for adding buildings, set the content as required, as shown in figure below. For parameter Settings, see Figure 1-2.

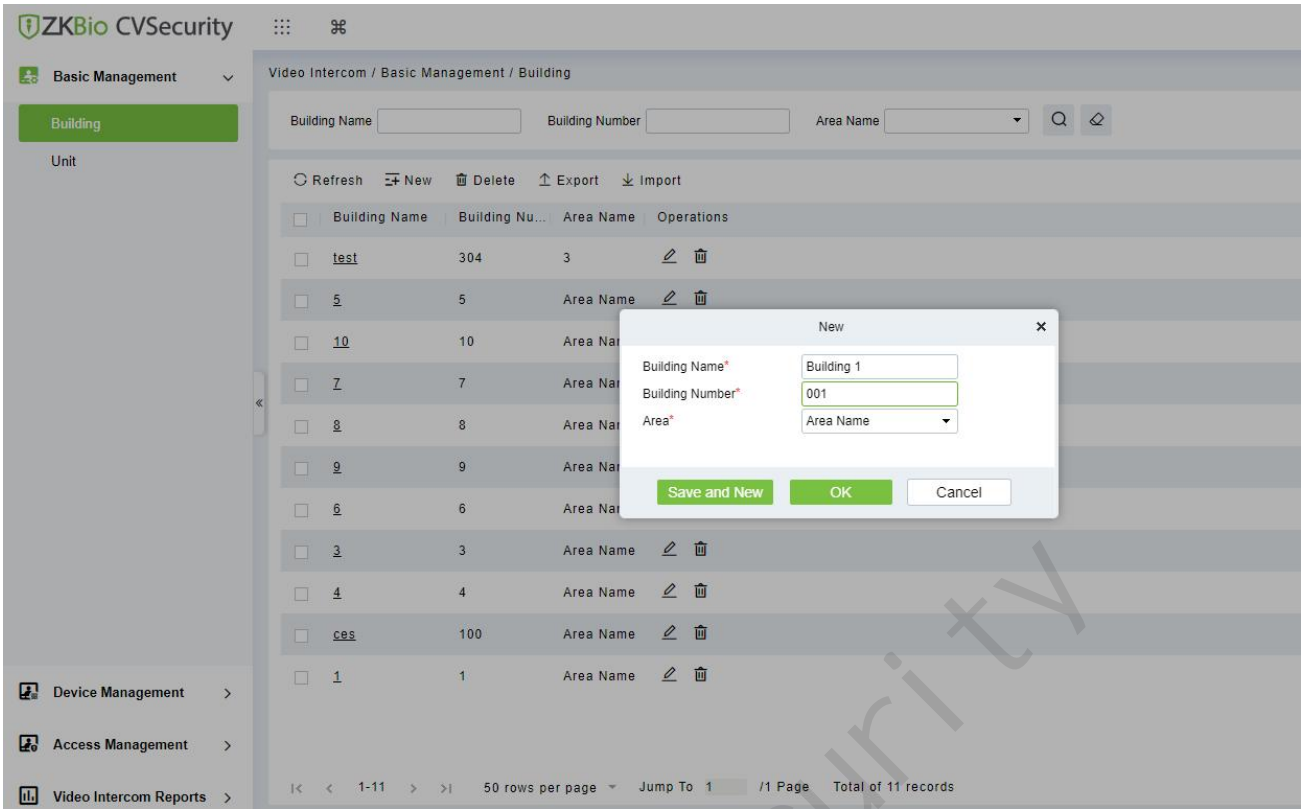


Figure 1-2 Building Add Interface

### 1.3.1.2 Delete

Select Building, click Delete, and click OK to delete the building.

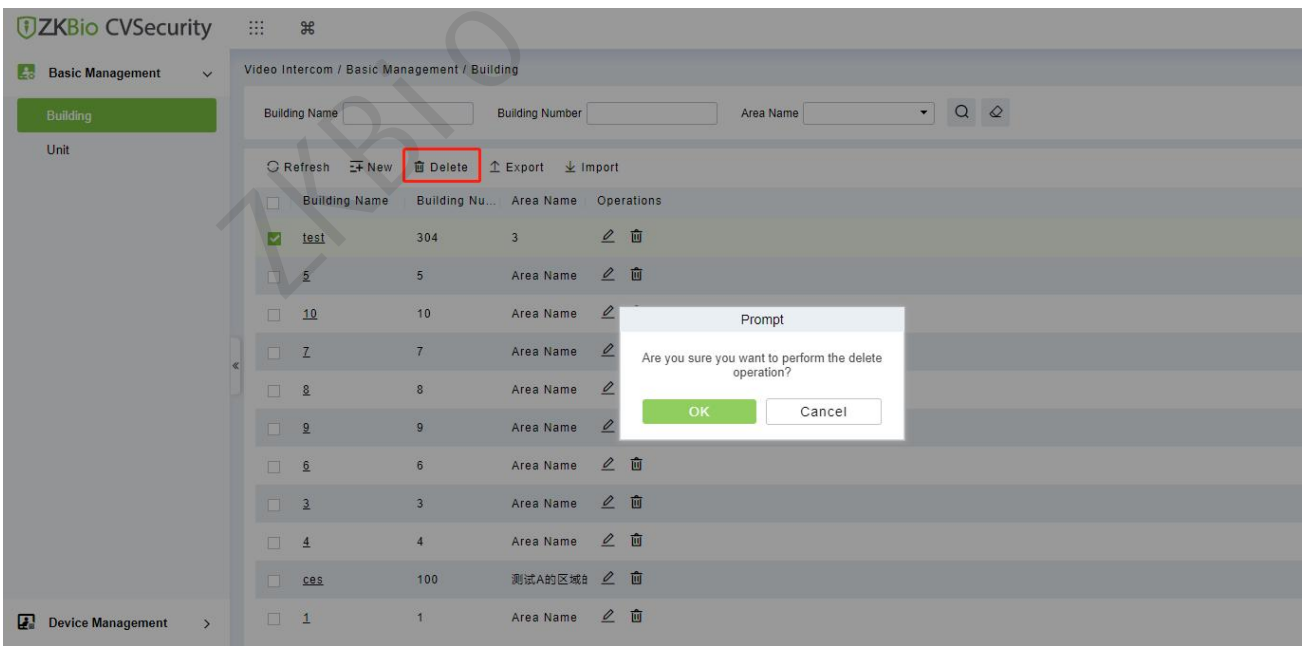


Figure 1-3 Delete Building

### 1.3.1.3 Export

Device information can be exported in EXCEL, PDF, CSV file format

The 'Export' dialog box includes the following elements:

- User Password\*:** An empty text input field.
- File encryption:** Radio buttons for 'Yes' (selected) and 'No'.
- File encryption password\*:** An empty text input field with a visibility icon.
- File Format:** A dropdown menu currently set to 'EXCEL'.
- Data to Export:** Radio buttons for 'All (max 100000 records)' (selected) and 'Selected (max 100000 records)'.
- Start Position:** A text input field containing the number '1'.
- Total Records:** A text input field containing the number '100'.
- Buttons:** A green 'OK' button and a white 'Cancel' button.

Figure 1-4 Export

### 1.3.1.4 Inport

Batch import floor data according to the added template

The 'Import' dialog box includes the following elements:

- File Format:** Radio buttons for 'Excel' (selected) and another option.
- Select File:** A green 'Browse' button followed by the text 'Not Uploaded'.
- Update Existing Data:** Radio buttons for 'Yes' and 'No' (selected).
- Warning Message:** A line of orange text: "The first line of the data format is table name, the second line is header, the third line is the import data, please check the file and then import."
- Buttons:** A green 'OK' button and a white 'Cancel' button.

Figure 1-5 Import

## 1.3.2 Unit

### 1.3.2.1 Add unit

#### Operation Step:

**Step 1:** In the **Video Intercom** module, choose "**Basic Management > Unit**".

**Step 2:** Click **New**, the page for adding units is displayed.

**Step 3:** On the page for adding units, set the content as required, as shown in figure below. For parameter Settings, see Figure 1-3.

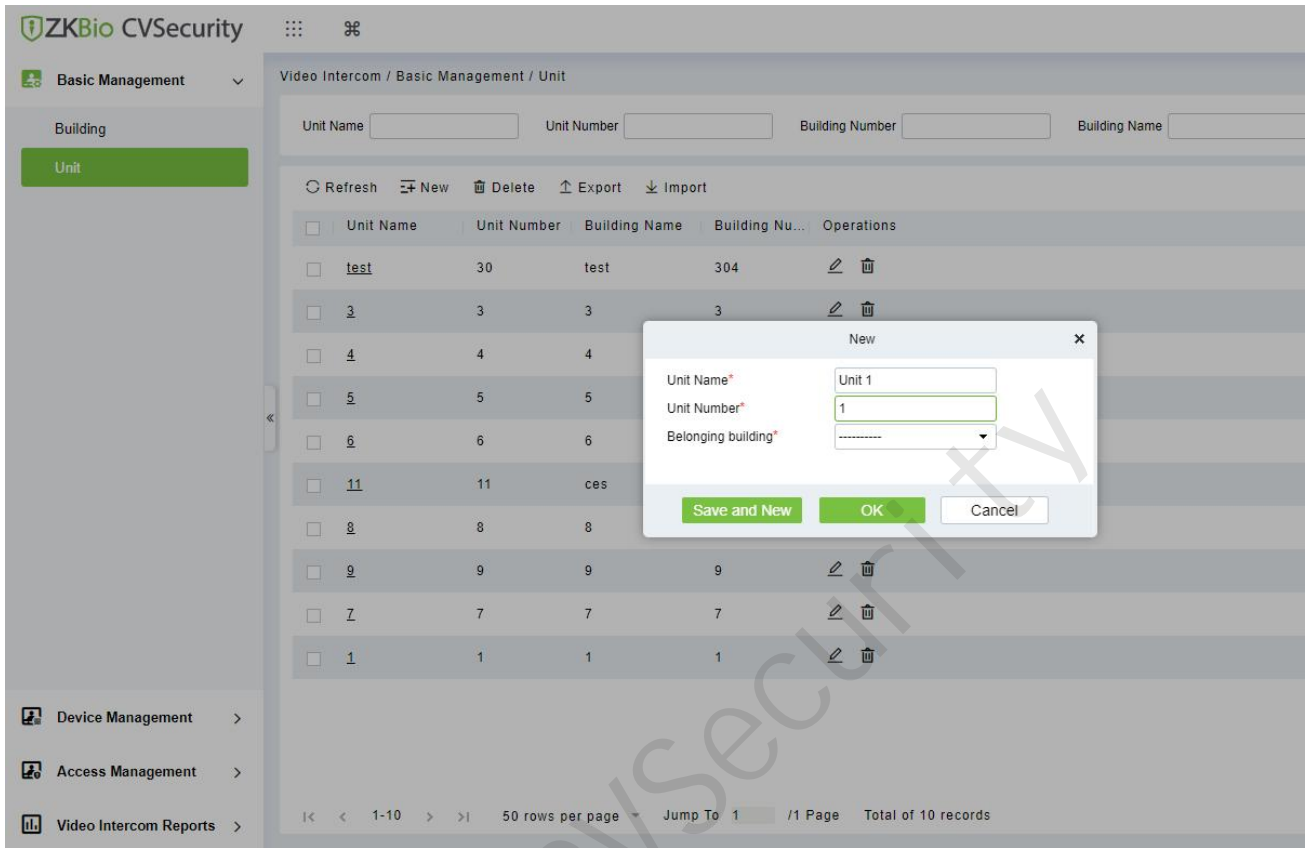


Figure 1-6 Unit Add Interface

### 1.3.2.2 Delete

Select Unit, click Delete, and click OK to delete the unit.

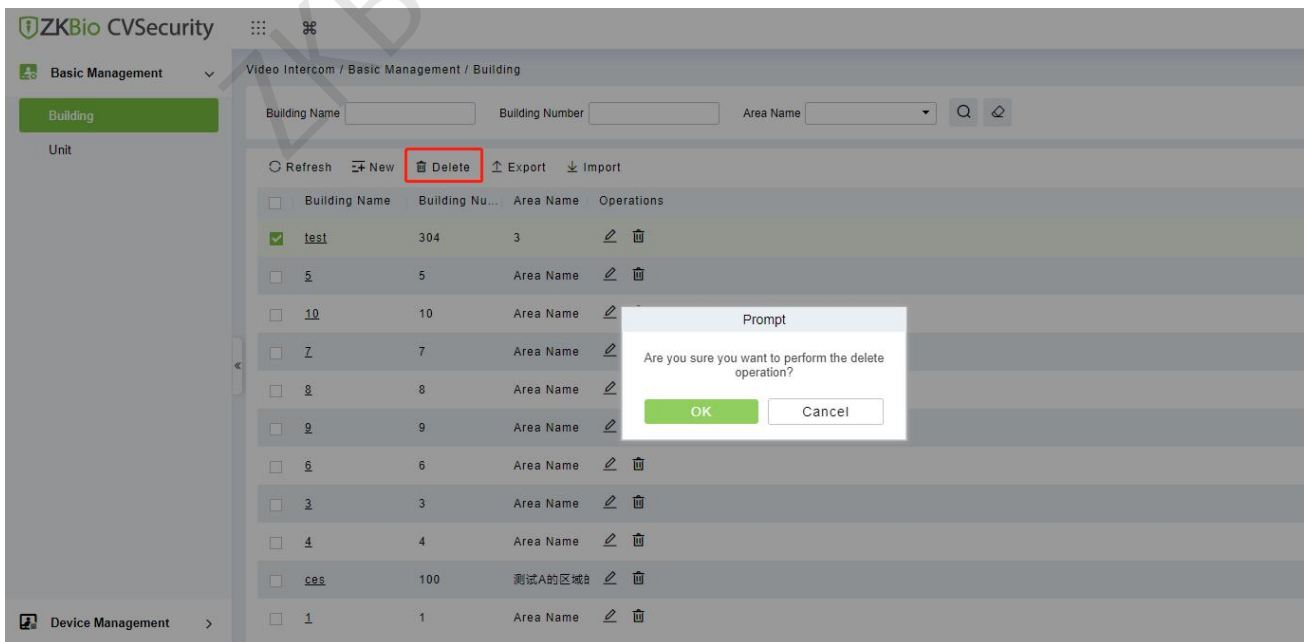


Figure 1- 7 Unit Delete

### 1.3.2.3 Export

Device information can be exported in EXCEL, PDF, CSV file format

The 'Export' dialog box contains the following elements:

- User Password\***: An empty text input field.
- File encryption**: Radio buttons for 'Yes' (selected) and 'No'.
- File encryption password\***: An empty text input field with a visibility toggle icon.
- File Format**: A dropdown menu currently set to 'EXCEL'.
- Data to Export**: Radio buttons for 'All (max 100000 records)' (selected) and 'Selected (max 100000 records)'.
- Start Position**: A text input field containing the value '1'.
- Total Records**: A text input field containing the value '100'.
- Buttons**: A green 'OK' button and a white 'Cancel' button.

Figure 1-8 Export

### 1.3.2.4 Import

Batch import floor data according to the added template

The 'Import' dialog box contains the following elements:

- File Format**: Radio buttons for 'Excel' (selected) and another option.
- Select File**: A green 'Browse' button followed by the text 'Not Uploaded'.
- Update Existing Data**: Radio buttons for 'Yes' and 'No' (selected).
- Warning Message**: A line of orange text stating: "The first line of the data format is table name, the second line is header, the third line is the import data, please check the file and then import."
- Buttons**: A green 'OK' button and a white 'Cancel' button.

Figure 1-9 Import

## 1.4 Device Management

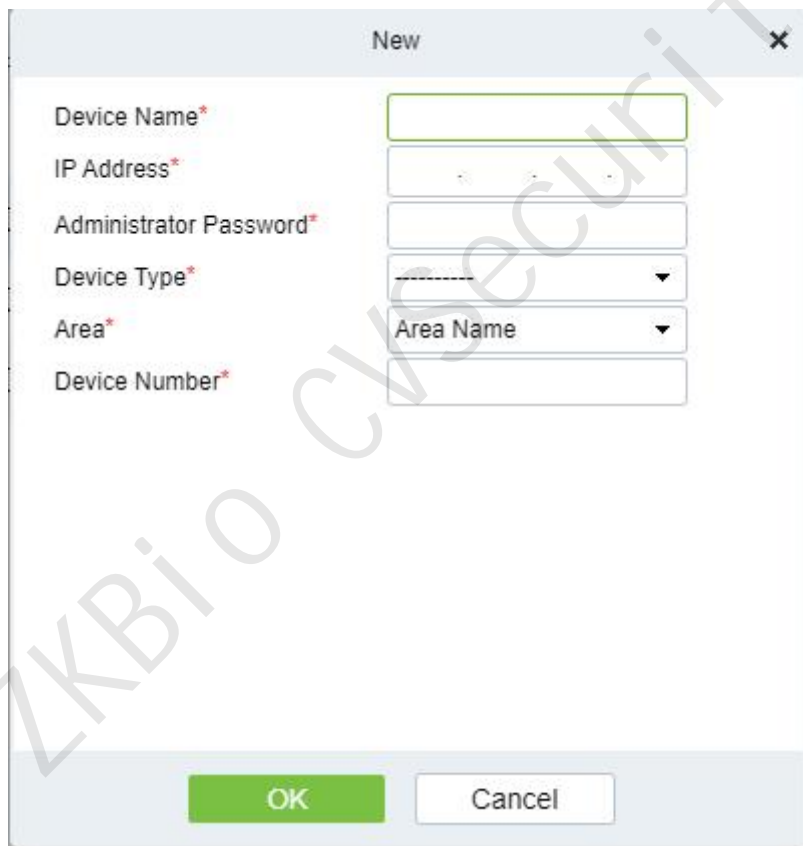
### 1.4.1 Device

#### 1.4.1.1 Add devices

Step 1: Go to **Video Intercom > Device Management > Device**.

Step 2: Click **New**, the interface for adding a device will pop up.

Step 3: In the interface for adding a device, fill in the corresponding parameters according to the adding requirement, as shown in the figure below. Please refer to Figure 1-10 for the description of parameter.



The image shows a 'New' dialog box for adding a device. It contains the following fields and controls:

- Device Name\* (text input)
- IP Address\* (text input)
- Administrator Password\* (text input)
- Device Type\* (dropdown menu)
- Area\* (dropdown menu with 'Area Name' selected)
- Device Number\* (text input)
- OK button (green)
- Cancel button (white)

Figure 1-10 Device Add Interface

Parameter	How to set
Device name	Customize the name of the device.
IP address	Fill in the IP address of <b>Video Intercom</b> device.
Administrator Password	Fill in the administrator password.

Device Type	<p>Select the device type you want to add, support to select outer station, outdoor station, doorbell station and indoor Station.</p> <p>If select <b>Outer Station</b>, you should choose the device area and Choose whether to enable the unit number.</p> <p>If select <b>Door Station</b>, you should choose device area, Building and unit.</p> <p>If select <b>Doorbell Station</b>, you should choose area, building, unit and room.</p> <p>If select <b>Indoor Station</b>, you should choose area, building, unit and room, and fill in the Sync Code.</p>
Area	Divide the device into regions and select the region to which the device belongs.
Device Number	Customize the number of the device.

**Table 1-1 Parameter setting**

### 1.4.1.2 Delete

**Step 1:** On the Device interface, select the required Device from the list.

**Step 2:** Click Delete or click on the  icon to delete the selected Device.

**Step 3:** Click Delete, to ensure and delete the selected Device from the list.

### 1.4.1.3 Export

You can export all transactions in Excel, PDF, CSV format.



The image shows a software dialog box titled "Export". It has a close button (X) in the top right corner. The dialog contains the following elements:

- User Password\***: A text input field.
- File encryption**: Radio buttons for "Yes" (selected) and "No".
- File encryption password\***: A text input field with a visibility icon (an eye with a slash) to its right.
- File Format**: A dropdown menu currently showing "EXCEL".
- Data to Export**: Radio buttons for "All (max 100000 records)" (selected) and "Selected (max 100000 records)".
- Start Position**: A text input field containing the number "1".
- Total Records**: A text input field containing the number "100".
- Buttons**: A green "OK" button and a white "Cancel" button at the bottom.

Figure 1-11 Export video intercom Configuration Flow

### 1.4.1.3 Control

- **Reboot Device**

It will reboot the selected device.

- **Synchronize Time**

It will synchronize device time with server's current time.

- **Synchronize All Data to Devices**

Synchronize data of the system to the device. Select device, click **Synchronize All Data to Devices** and click **OK** to complete synchronization.

### 1.4.1.4 View/Get

- **Get record**

Select device and click get records to get the device data.

## 1.5 Access Management

### 1.5.1 Access Control Group

Access control group define groups and categories of video intercom to facilitate subsequent permission assignment operations.

Setting operations include creating access level groups and adding doors to access level groups.

#### 1.5.1.1 Add

This section describes how to create Step for Access Control groups in the module of Video Intercom.

##### Operation Step:

**Step 1:** In the **Video Intercom** module, choose “**Access Management > Access Control Group**”.

**Step 2:** Click **New** in the left column, and the page for adding access control groups is displayed.

**Step 3:** On the page for adding access control groups, set parameters based on the new requirements, as shown in figure below. For parameter Settings, see Table 1-2.

Figure 1-12 Adding Access Control Groups

Parameter	How to set
Level name	Customize the name of the access control groups.
Description	Add description as needed.

Table1-2 Description of Access Control Right Groups

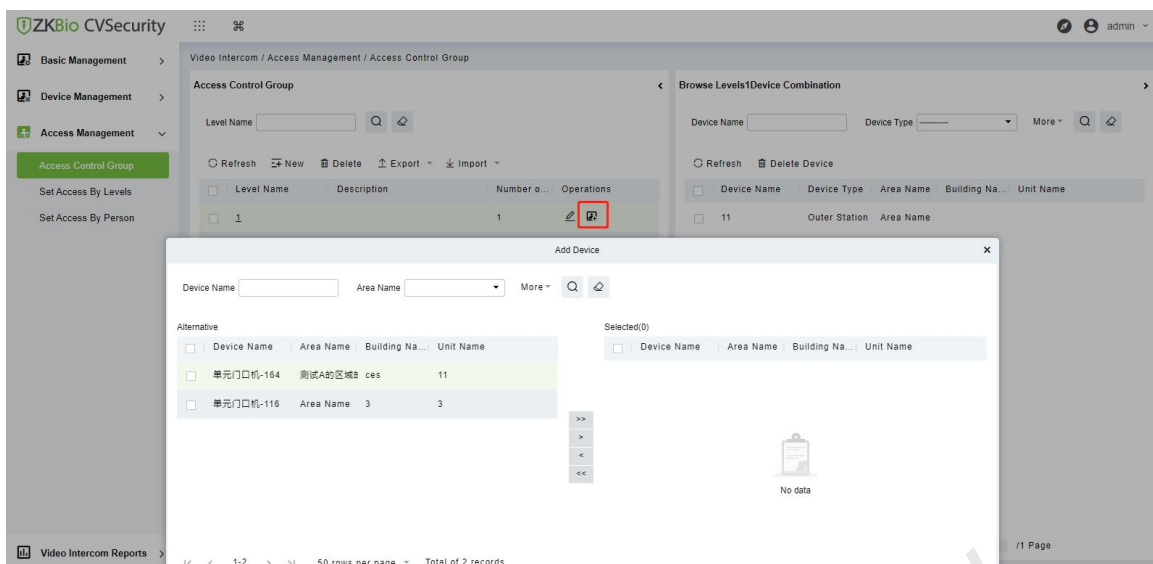
**Step 4:** Click OK to finish configuring the access control right group.

#### 1.5.1.2 Add device

##### Operation Step:

**Step 1:** In the Video Intercom module, choose “**Access Management > Access Control Group>Add Device**”.

**Step 2:** Click “**Add Device**”, and the page for selecting a door is displayed. add a door as required, as shown in figure below.



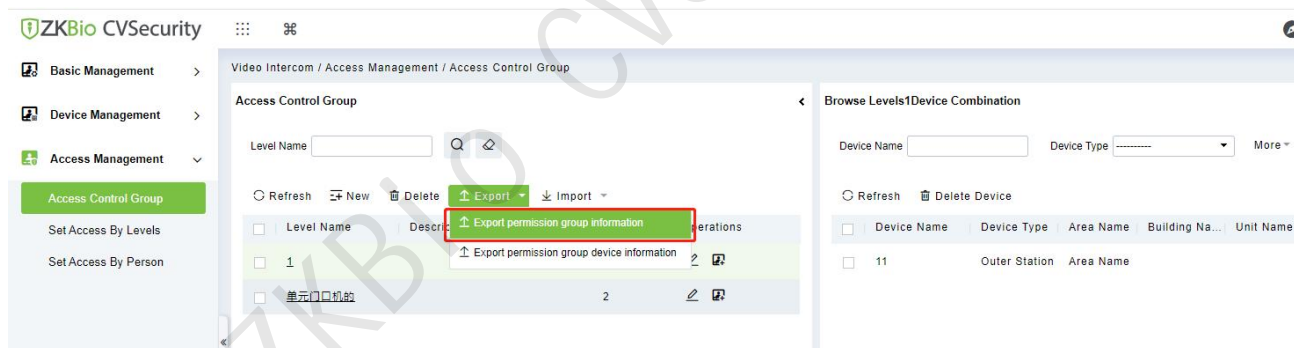
**Figure 1-13 Adding Access Control Groups Add Devices**

**Step 3:** Click **OK** to finish configuring the device for the video intercom right group.

### 1.5.1.3 Export / Import

Export the permission group information of Access Control Template:

In the Video Intercom Module, click **Access Management > Access Control Group>Export>Export permission group information**, then You can export doors of access level in Excel file format. Enter the user password in the displayed security verification dialog box, and Click OK. Select whether to encrypt the file and the file format to export, and Click **OK**.



**Figure 1- 14 Export the permission group information Template 1**

Export permission group information

User Password\*

File encryption  Yes  No

File encryption password\*

File Format

Data to Export  All (max 100000 records)  
 Selected (max 100000 records)

Start Position

Total Records

**Figure 1- 15 Export the permission group information Template 2**

Export the permission group device information of Access Control Template:

ZKBio CVSecurity

Basic Management > Device Management > Access Management > Access Control Group

Level Name

Refresh New Delete Export Import

Level Name	Descr	Export permission group information	operations
<input checked="" type="checkbox"/>	1	<input checked="" type="button" value="↑ Export permission group device information"/>	<input type="button" value="↶"/> <input type="button" value="↷"/>
<input type="checkbox"/>	单元门口机的	2	<input type="button" value="↶"/> <input type="button" value="↷"/>

Set Access By Levels  
Set Access By Person

Browse Levels1Device Combination

Device Name  Device Type

Refresh Delete Device

Device Name	Device Type	Area Name	Built
<input type="checkbox"/>	11	Outer Station	Area Name

**Figure 1- 16 Export the permission group device information Template 1**

Export permission group device information

User Password\*

File encryption  Yes  No

File encryption password\*

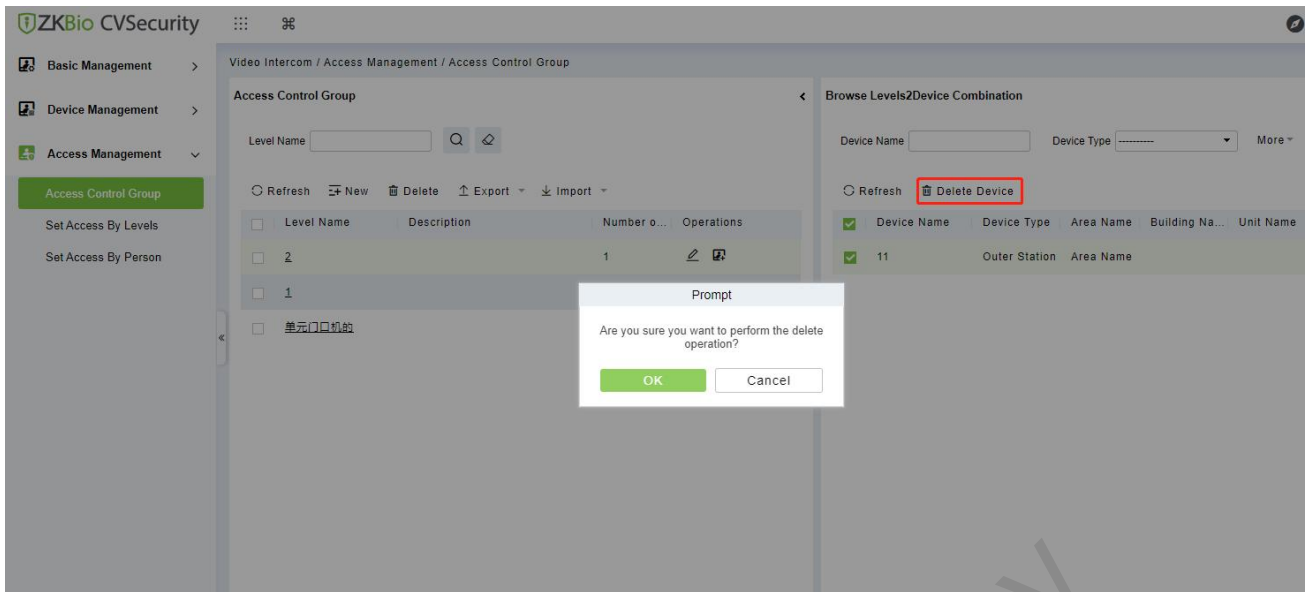
File Format

Data to Export  All (max 100000 records)

**Figure 1- 17 Export the permission group device information Template 2**

#### 1.5.1.4 Delete devices

Select delete device, click Delete, and click OK to delete device.



**Figure 1- 18 Delete Device**

## 1.5.2 Set Access By Levels

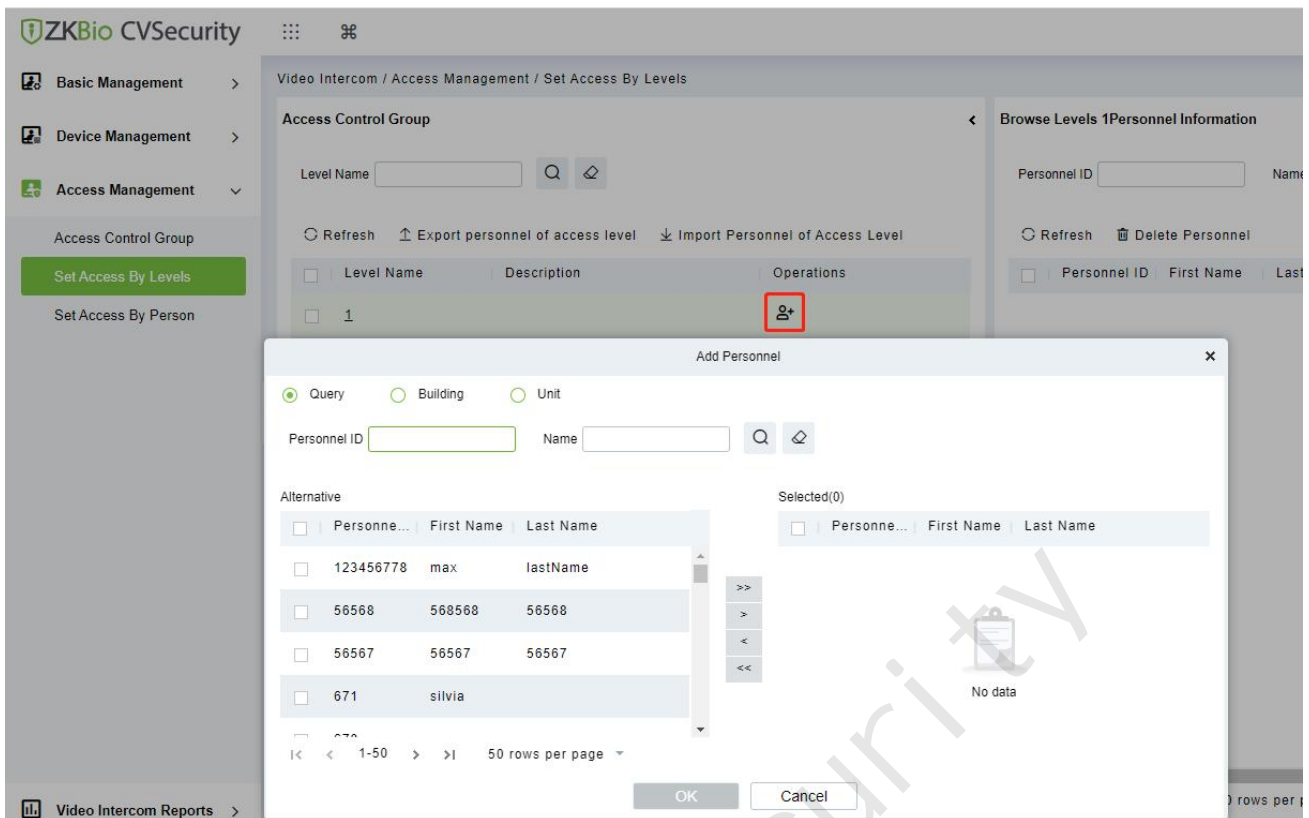
This section describes Operation Step that set access by levels in the module of video intercom in ZKBio CVSecurity.

### 1.5.2.1 Add personnel

#### Operation Step:

**Step 1:** In the Video Intercom module, choose “**Access Management>Set Access by Levels**”

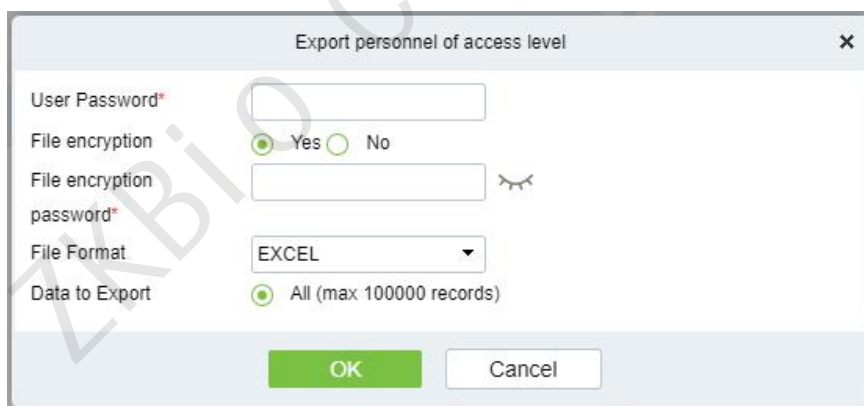
**Step 2:** In the Operation column of the corresponding permission group, click “**Add Personnel**”. The Add Personnel page is displayed. Select personnel as required.



**Figure 1- 19 The interface of add personnel when set access by level**

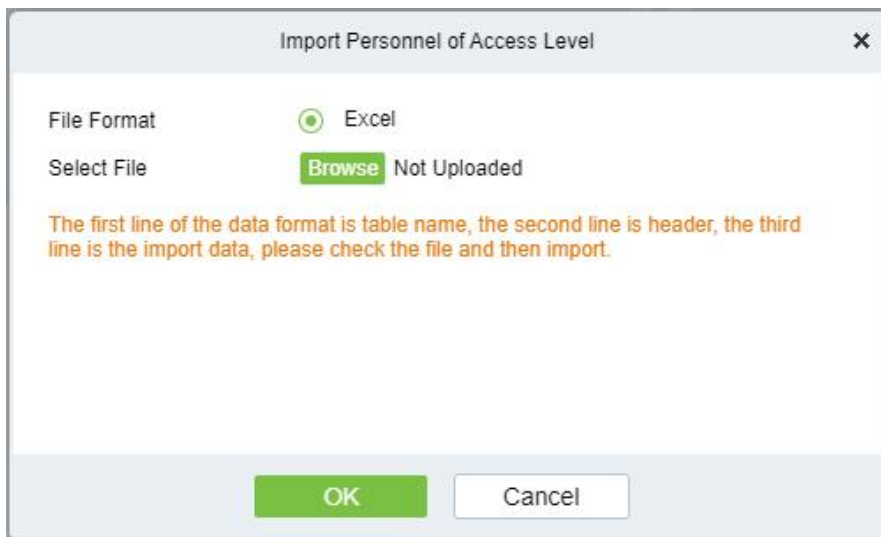
**Step 3:** Click OK to complete the assignment of personnel add.

### 1.5.2.2 Export personnel of access level



**Figure 1- 20 Export the personnel of access level**

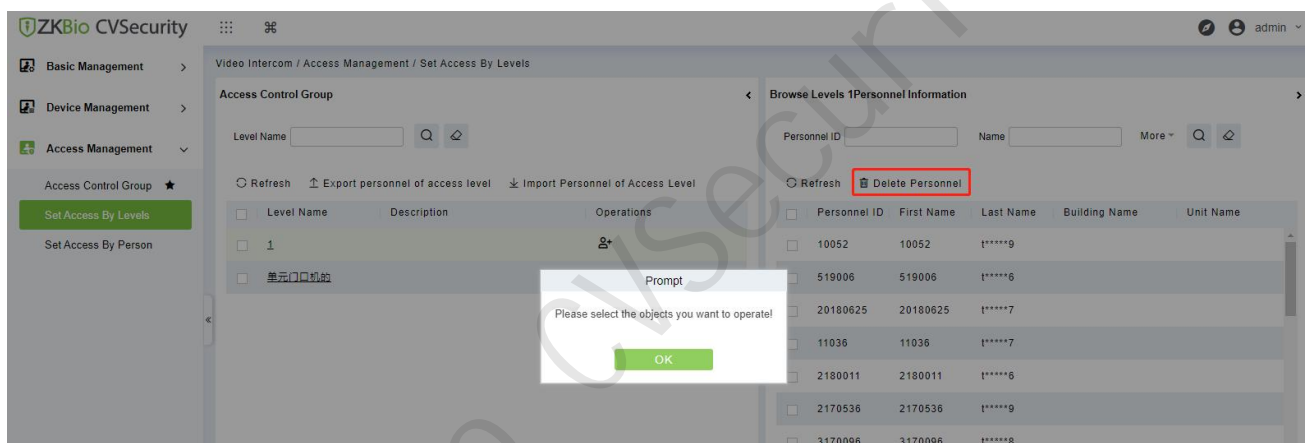
### 1.5.2.3 Import personnel of access level



**Figure 1- 21 Import the personnel of access level**

### 1.5.2.4 Delete Personnel

Select delete personnel, click Delete, and click OK to delete personnel.



**Figure 1- 22 Delete personnel**

## 1.5.3 Set Access By Person

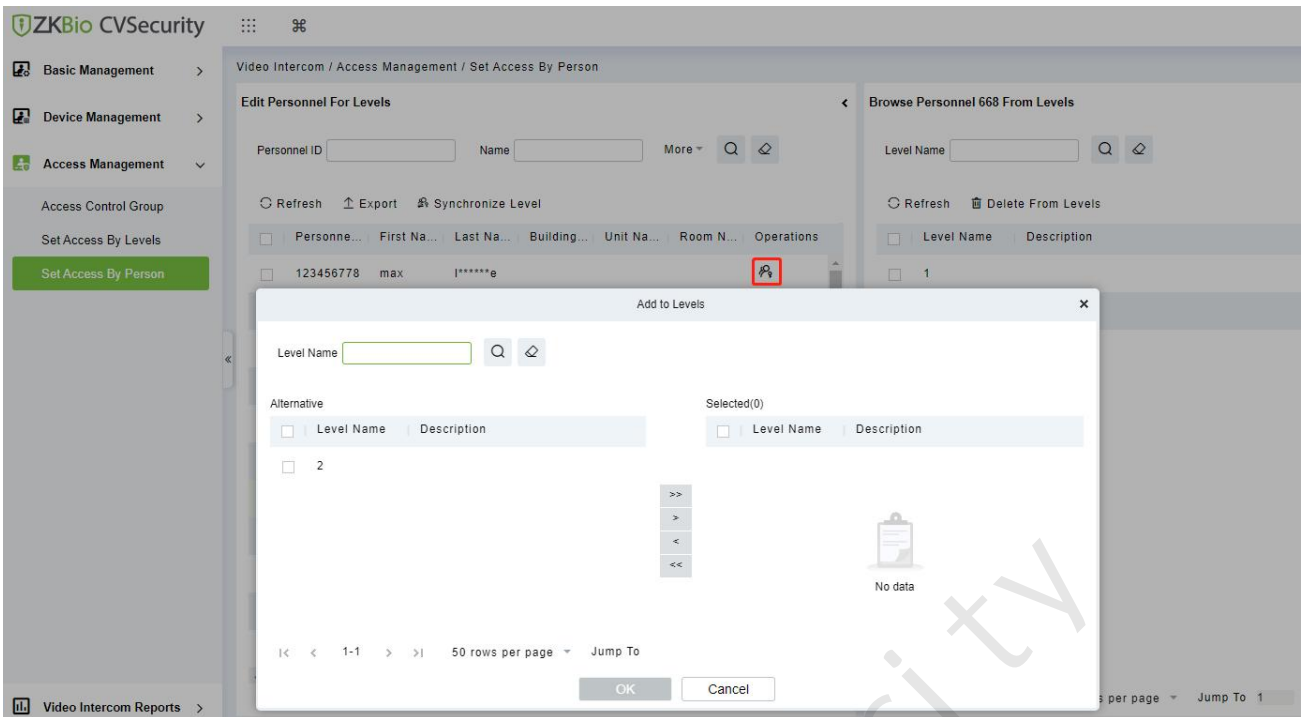
This section describes Operation Step that set access by person in the module of video intercom in ZKBio CVSecurity.

### 1.5.3.1 Add personnel

#### Operation Step:

**Step 1:** In the Video Intercom module, choose “**Access Management>Set Access by Personnel**”

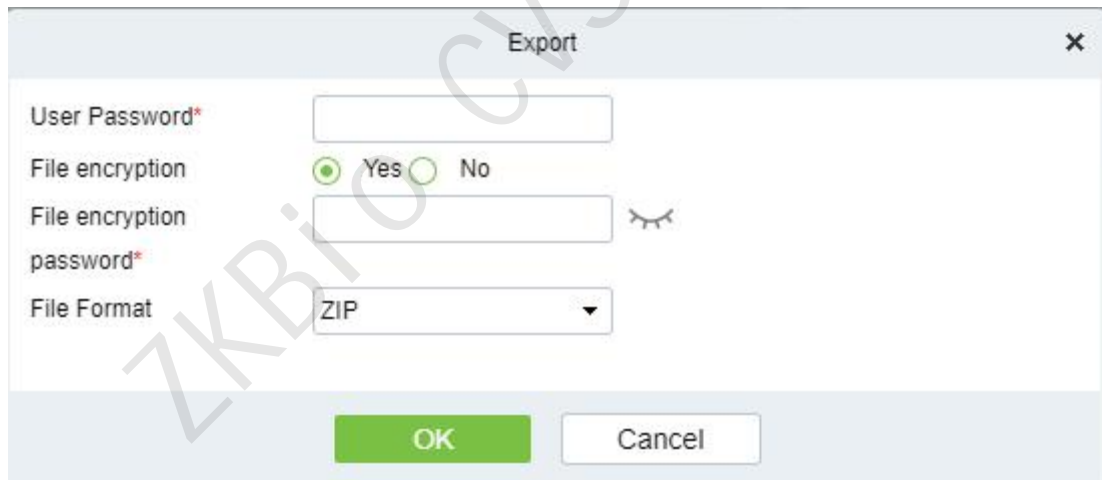
**Step 2:** In the Operation column of the corresponding permission group, click “**Add to Levels**”. The Add level page is displayed. Select level as required.



**Figure 1- 23 The interface of add level when set access by personnel**

**Step 3:** Click OK to complete the assignment of personnel add.

### 1.5.3.2 Export



**Figure 1- 24 Export the access level of personnel**

### 1.5.3.3 Synchronize Level

Select the level to be synchronized and send the corresponding device area data in the software to the device.



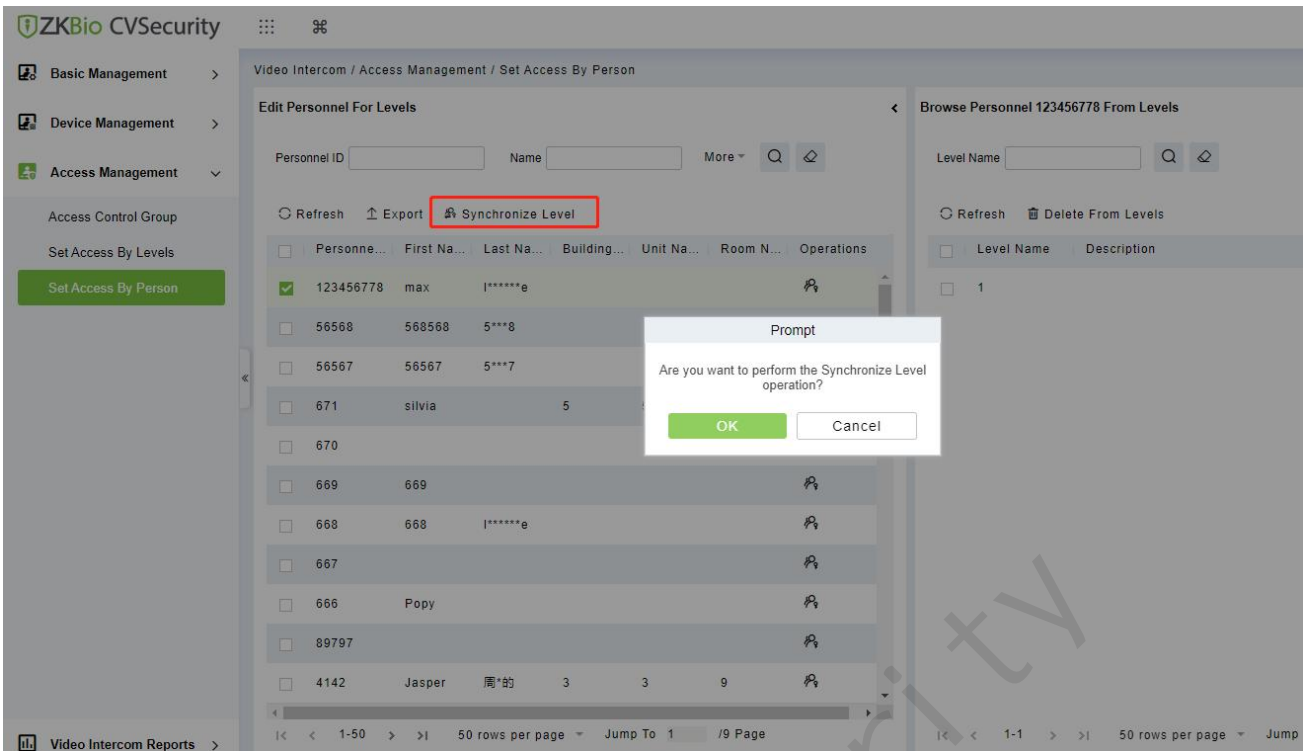


Figure 1- 25 Synchronize Level

### 1.5.3.4 Delete from levels

Select delete level, click Delete, and click OK to delete level.

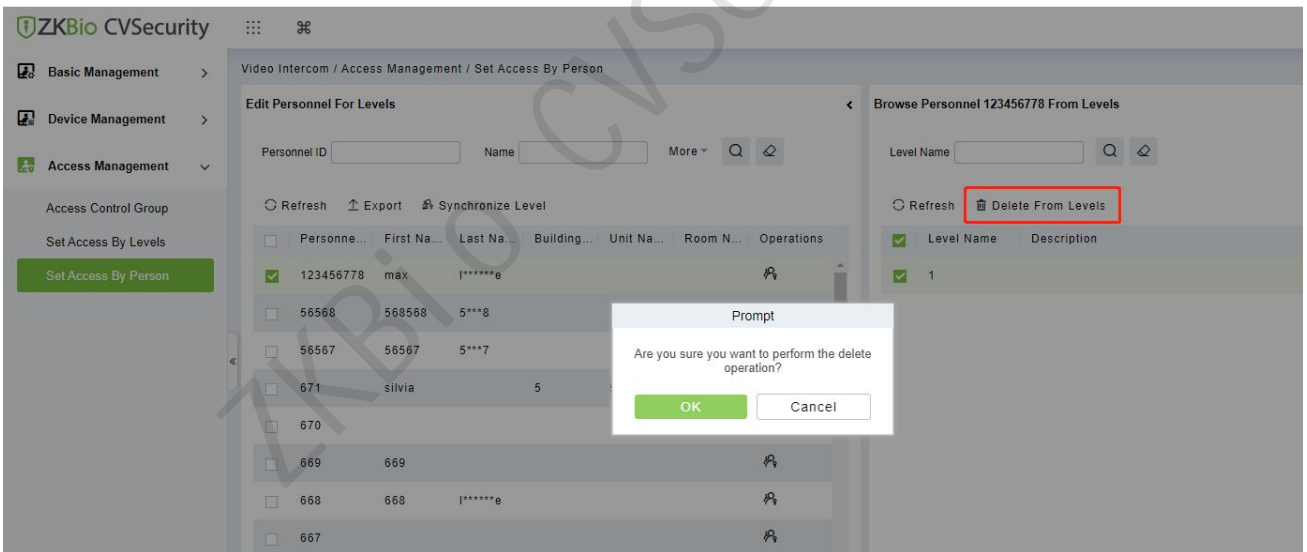


Figure 1- 25 Delete level

## 1.6 Video Intercom Reports


In the video intercom report, you can query all video intercom records, including call records and unlock records. You can export all records or query records. This section describes the Step for querying and exporting reports in ZKBio CVSecurity.

## 1.6.1 Call Records

### 1.6.1.1 Record query

#### Operation Step

**Step 1:** In the Video Intercom module, choose “**Video Intercom Report > Call Records**”.

**Step 2:** On the call Records interface, fill in the corresponding query information and click the icon  to complete the query of all records, as shown in figure below.

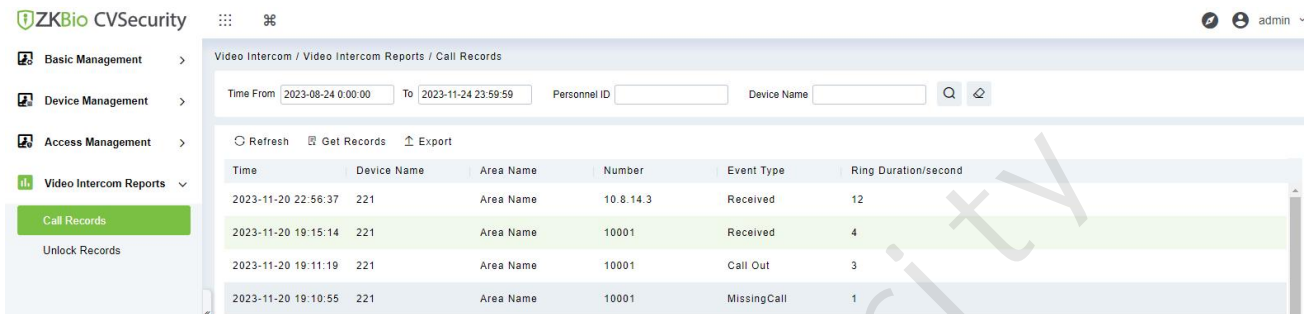


Figure 1- 26 Report Query Page

### 1.6.1.2 Get records

#### Operation Step

**Step 1:** In the Video Intercom module, choose “**Video Intercom Report > Call Records > Get Records**”.

**Step 2:** On the Get Records interface, select the indoor station, as shown in figure below.

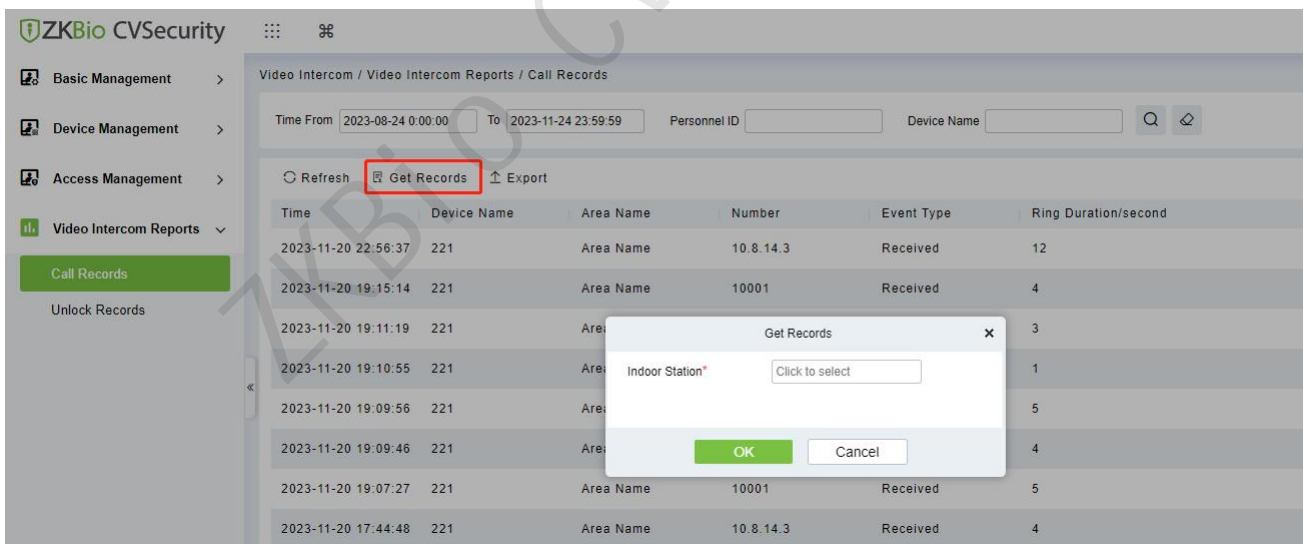
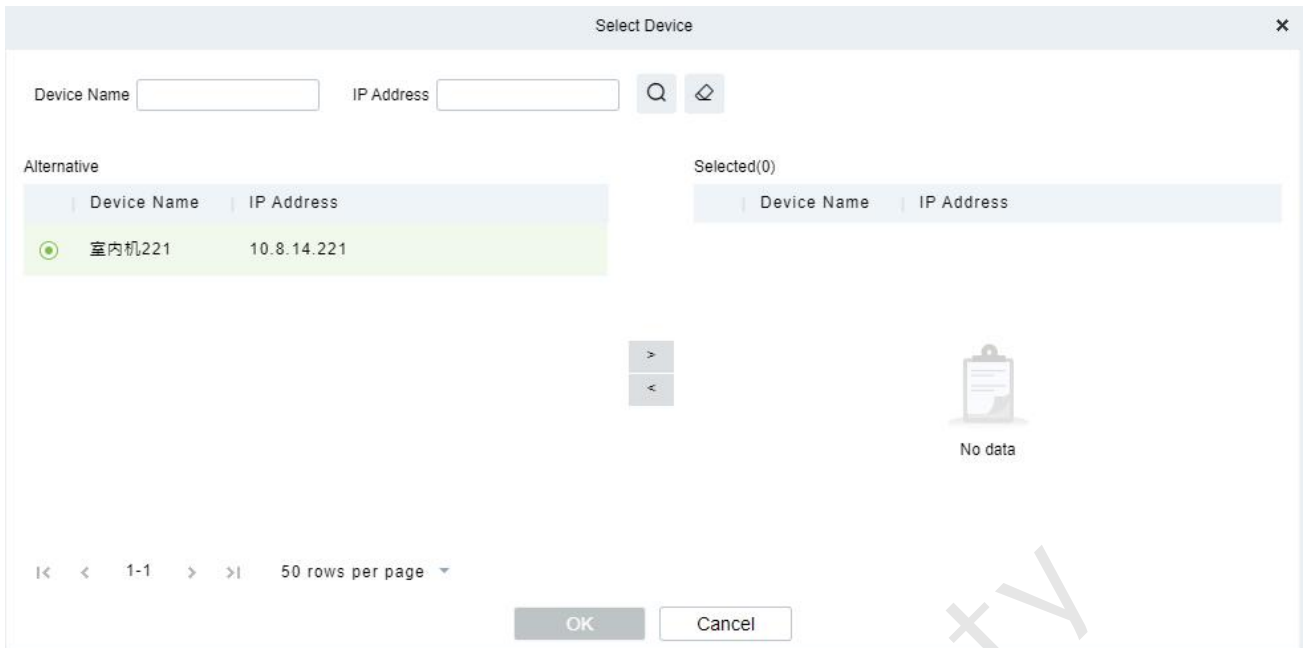


Figure 1- 27 Get Records Page 1

**Step3 :** On the Select device interface, select the the device you need, as shown in figure below.

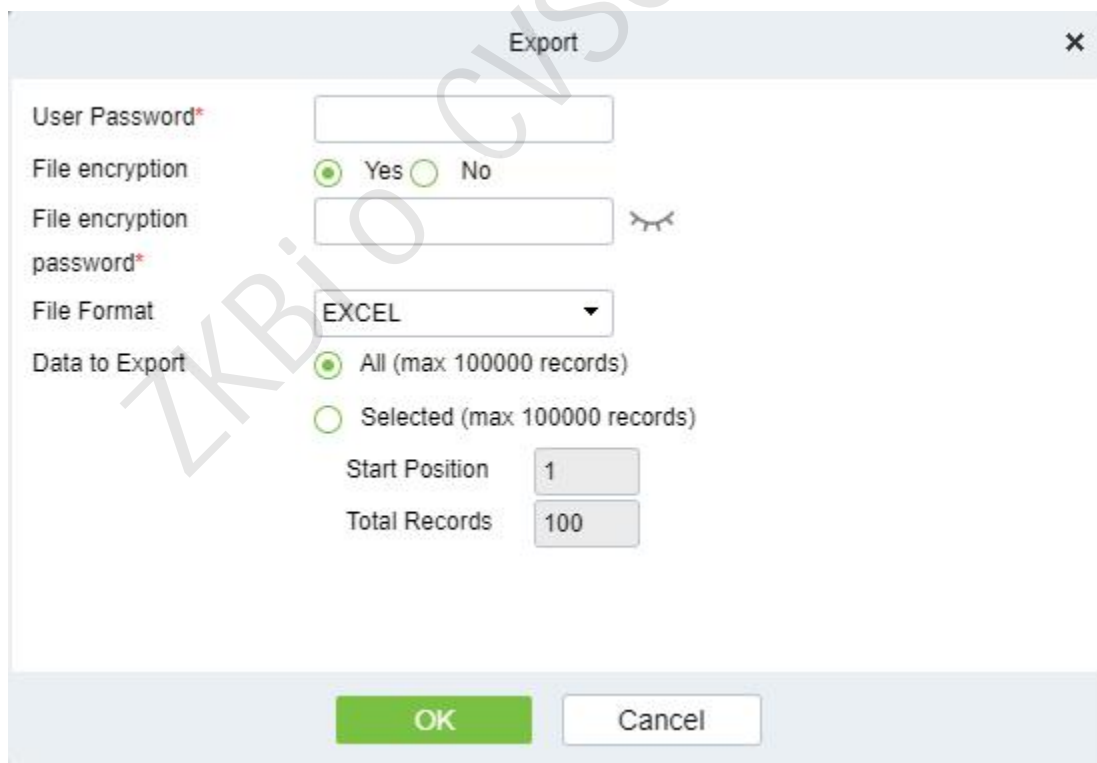


**Figure 1- 28 Get Records Page 2**

**Step 4:** Click OK to complete the complete the acquisition of device records

### 1.6.1.3 Export

Click **Export**, enter the user password in the displayed security verification dialog box, and Click **OK**. Select whether to encrypt the file and the file format to export, and click OK.



**Figure 1- 29 Report Export**

Call Records					
Time	Device Name	Area Name	Number	Event Type	Ring Duration/second
2023-11-20 22:56:37	221	Area Name	10.8.14.3		12
2023-11-20 19:15:14	221	Area Name	10001		4
2023-11-20 19:11:19	221	Area Name	10001		3
2023-11-20 19:10:55	221	Area Name	10001		1
2023-11-20 19:09:56	221	Area Name	10001		5
2023-11-20 19:09:46	221	Area Name	10001		4
2023-11-20 19:07:27	221	Area Name	10001		5
2023-11-20 17:44:48	221	Area Name	10.8.14.3		4
2023-11-20 16:13:06	221	Area Name	10.8.14.3		4
2023-11-16 19:54:01	221	Area Name	10001		2
2023-11-16 19:53:52	221	Area Name	10001		3
2023-11-16 19:52:23	221	Area Name	2010008		0
2023-11-16 19:51:49	221	Area Name	2010008		0
2023-11-16 19:51:33	221	Area Name	2010008		0
2023-11-16 19:51:16	221	Area Name	2010008		0
2023-11-16 19:51:01	221	Area Name	2010008		0
2023-11-16 19:50:49	221	Area Name	2010008		0
2023-11-16 19:50:22	221	Area Name	2010008		0
2023-11-16 19:50:10	221	Area Name	2010008		0
2023-11-16 19:44:47	221	Area Name	10.8.14.3		5
2023-11-16 19:44:03	221	Area Name	10.8.14.3		4
2023-11-16 19:36:26	221	Area Name	10.8.14.3		75

Figure 1- 30 Call Report Export

## 1.6.2 Unlock Records

### 1.6.2.1 Record query

#### Operation Step

**Step 1:** In the Video Intercom module, choose “**Video Intercom Report > Unlock Records**”.

**Step 2:** On the unlock Records interface, fill in the corresponding query information and click the icon to complete the query of all records, as shown in figure below.



Figure 1- 31 Report Query Page

### 1.6.2.2 Get records

#### Operation Step

**Step 1:** In the Video Intercom module, choose “**Video Intercom Report > Unlock Records > Get Records**”.

**Step 2:** On the Get Records interface, select the indoor station, as shown in figure below.

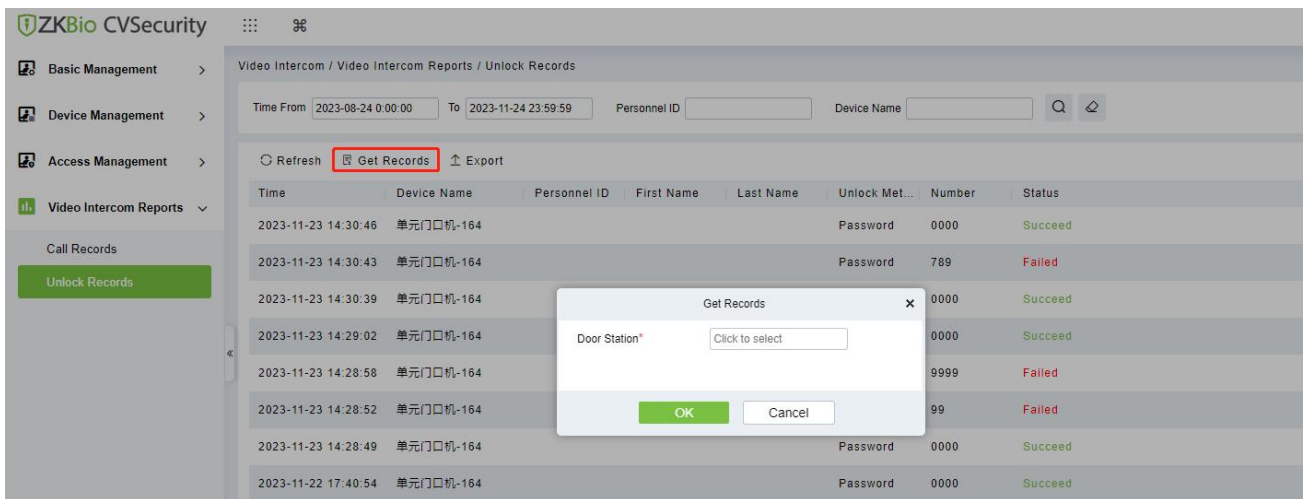


Figure 1- 32 Get Records Page 1

**Step3 :** On the Select device interface, select the the device you need, as shown in figure below.

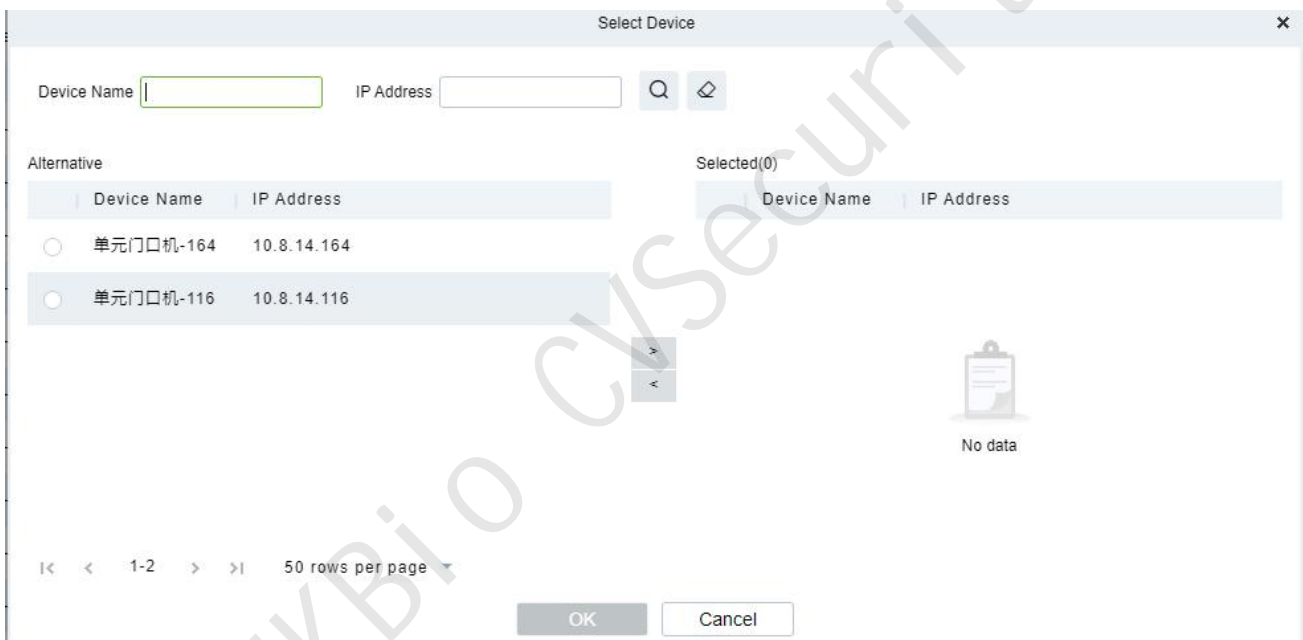


Figure 1- 33 Get Records Page 2

**Step 4:** Click OK to complete the complete the acquisition of unlock records

### 1.6.1.3 Export

Click **Export**, enter the user password in the displayed security verification dialog box, and Click **OK**. Select whether to encrypt the file and the file format to export, and click OK.

Figure 1- 34 Report Export

	A	B	C	D	E	F	G	H
1	Unlock Records							
2	Time	Device Name	Personnel ID	First Name	Last Name	Unlock Method	Number	Status
3	2023-11-23 14:30:46	單元門口机-164				Password	0000	Succeed
4	2023-11-23 14:30:43	單元門口机-164				Password	789	
5	2023-11-23 14:30:39	單元門口机-164				Password	0000	Succeed
6	2023-11-23 14:29:02	單元門口机-164				Password	0000	Succeed
7	2023-11-23 14:28:58	單元門口机-164				Password	9999	
8	2023-11-23 14:28:52	單元門口机-164				Password	99	
9	2023-11-23 14:28:49	單元門口机-164				Password	0000	Succeed
10	2023-11-22 17:40:54	單元門口机-164				Password	0000	Succeed
11	2023-11-22 08:57:44	單元門口机-116				Face		
12	2023-11-22 08:57:13	單元門口机-116				Face		
13	2023-11-22 07:02:27	單元門口机-116				Face		
14	2023-11-22 07:00:39	單元門口机-116				Face		
15	2023-11-22 07:00:17	單元門口机-116				Face		
16	2023-11-22 06:47:40	單元門口机-116				Face		
17	2023-11-21 09:37:00	單元門口机-116				Face		
18	2023-11-21 09:35:36	單元門口机-116				Face		
19	2023-11-20 22:37:26	單元門口机-164				Password	123456	
20	2023-11-20 22:37:08	單元門口机-164				Password	11	
21	2023-11-20 19:08:09	單元門口机-164				Password	0000	Succeed
22	2023-11-20 19:08:05	單元門口机-164				Password	0000	Succeed
23	2023-11-20 19:08:09	單元門口机-164				Password	0000	Succeed
24	2023-11-20 19:08:02	單元門口机-164				Password	0000	Succeed
25	2023-11-20 19:05:53	單元門口机-164				Password	0000	Succeed

Figure 1- 35 Unlock Report Export

## 2 Personnel

### 2.1 Person

#### 2.1.1 Add personnel

##### 2.1.1.1 Residence information

Set the Residence information parameter for the personnel.

**Figure 2- 1 Residence Information**

**Fields are as follows:**

Parameter	Description
Belonging Building	Select the building to which the personnel belongs.
Unit name	Select the unit to which the personnel belongs.
Room number	Fill in the room number of the personnel.

**Table2-1 Description of Resident Information**