

Tiandy

Easy7 Smart Client Express (Windows)

User Manual



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Statement

- Our company will update this manual according to the reinforcement and change of product functions, also regularly improve and update the software and hardware products described in this manual. The updated information will be reflected in the latest version of the manual without further notice.
- The change of product parameters will not be further notified as our company continues to adopt new technologies.
- This manual is only for clients' reference and guidance and cannot be ensured to be exactly the same as real products, real products shall prevail in terms of practical application.
- All words, tables and figure information in this manual is protected by national laws, no private duplication is allowed without permission.
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1. Preface

1.1. Preparation purpose

This user manual is prepared based on Easy7 video monitoring system. In order to provide brief function instruction of the system and help users to systematically understand operation process, this user manual is prepared for reference.

【Note】 Product real-time update will not be further notified.

1.2. Terms and abbreviations

N/A

2. Software overview

2.1. Software usage

Easy7 Smart Client Express is an application based on MacOS and Windows operation system, which is specially used for managing, previewing and operating network monitoring equipment, suitable for all series of Tiandy NVR, IPC and other devices. The software can realize grouping management of watch points according to different scenarios and customize the group name. It can carry out real-time video browsing, audio preview, voice intercom and other operations based on the device. It can control the equipment PTZ, set preset position and call. It can switch video playback between user-defined groups, support front-end and local video playback, control playback through time axis, and download video files to the client-side. The rich video monitoring business functions of the software are really suitable for the application of various video monitoring scenarios.

2.2. Software operation

Easy7 Smart Client Express Win64 V8.2.exe can install and operate individually and support Tiandy full series of hard disk video equipment and network video equipment.

2.3. System configuration

CPU: Intel(R) Core(TM) i5, the 8th generation is recommended

Memory: 8G recommended

System: Support Windows 7 64-bit and Windows10 64-bit system

3. Software installation and uninstallation

3.1 Software installation

Take the installation of "Easy7 Smart Client Express Win64 V8.2.exe" in Windows 10 64-bit system as an example, the installation of other versions is the same.

- 1) Find the installation file "Easy7 Smart Client Express Win64 V8.2.exe" in installation disk, as shown in the figure below:

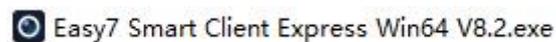


Figure 3.1.1

- 2) Double click and enter installation program, as shown in the figure below:

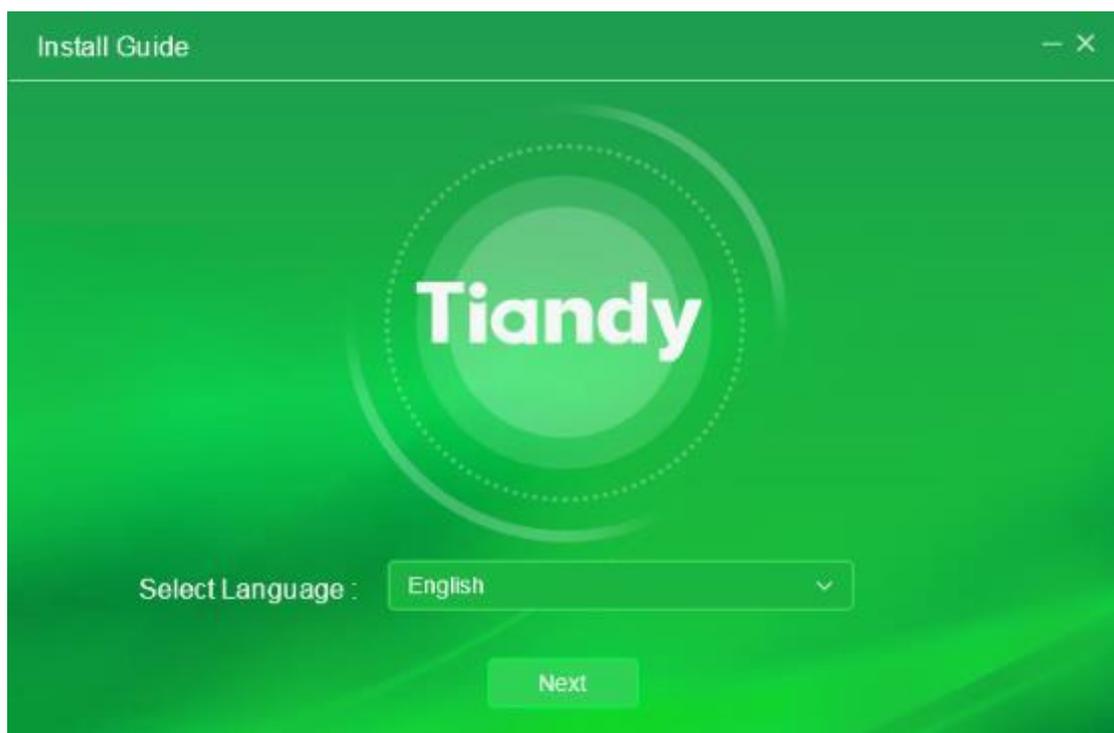


Figure 3.1.2

- 3) Select installation language, we take English as an example here, select "English", click "Next". It will be installed on Disk C as shown in the figure below:

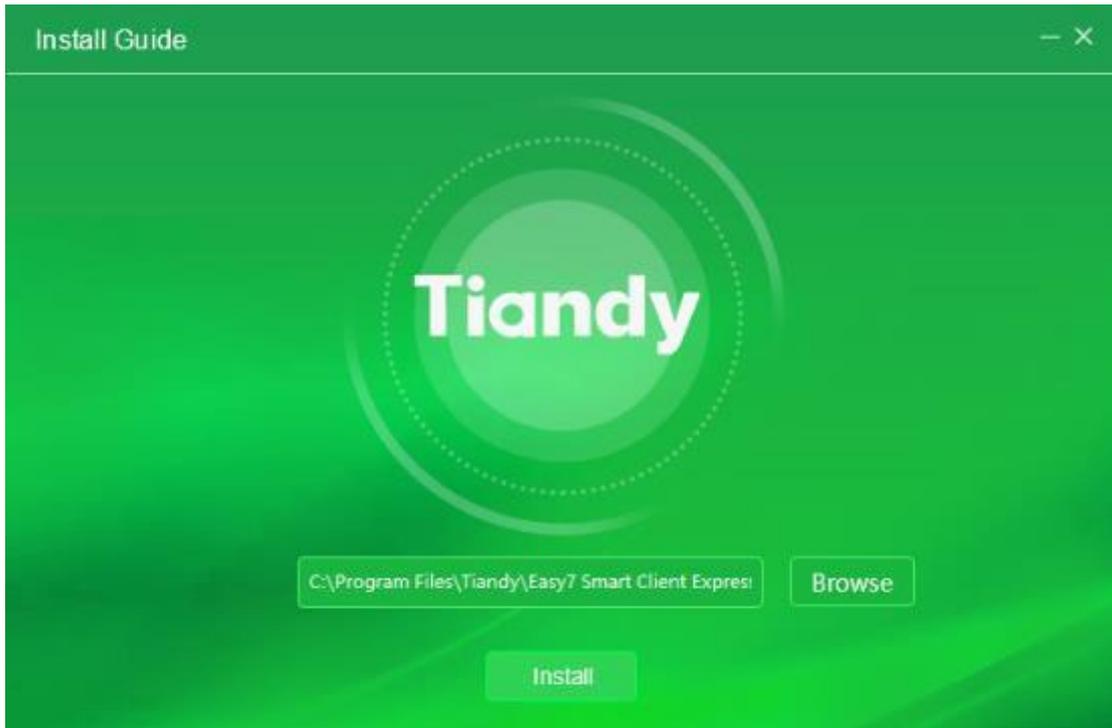


Figure 3.1.3

- 4) If it's necessary to change installation directory, click "Browse" to select customized installation directory, as shown in the figure below:

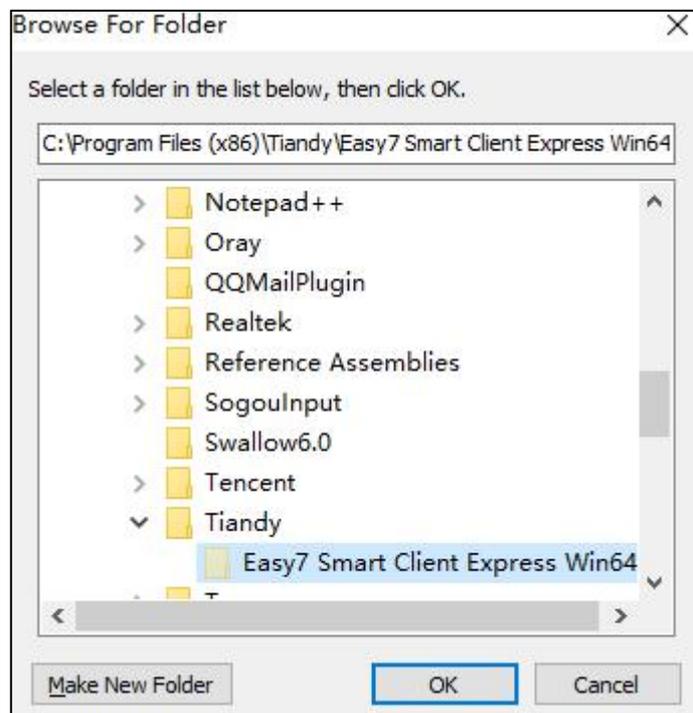


Figure 3.1.4

- 5) Set installation directory, click "Install" to start installation program,

as shown in the figure below:

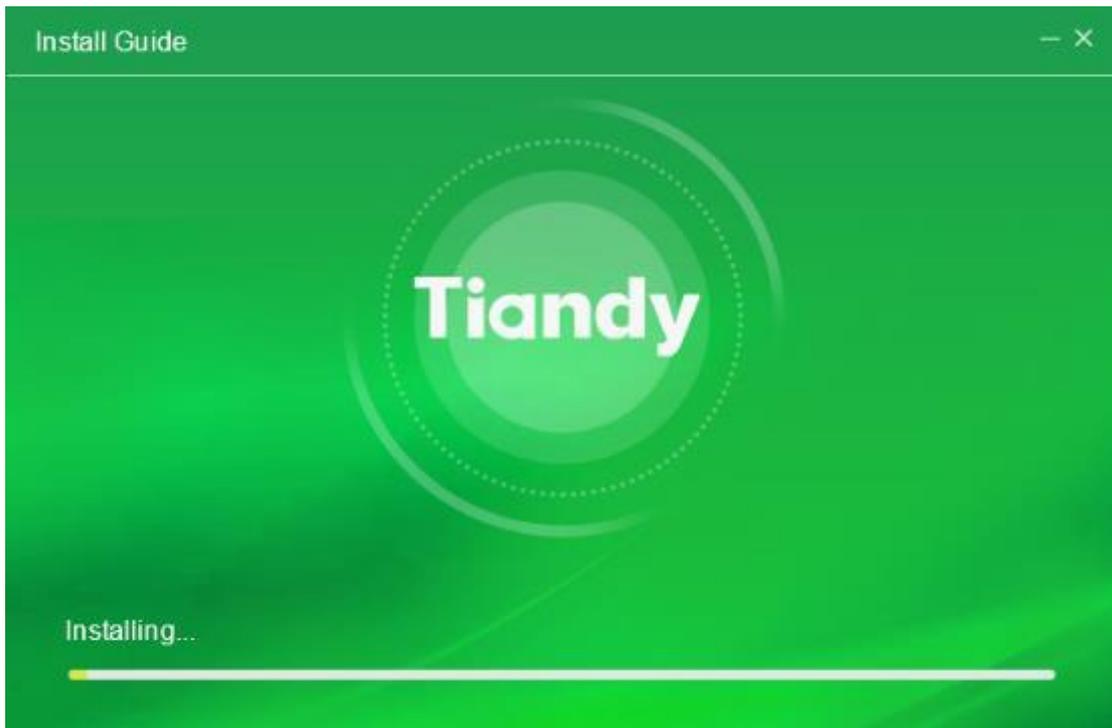


Figure 3.1.5

6) After installation, click "Finish" to complete installation, as shown in the figure below:

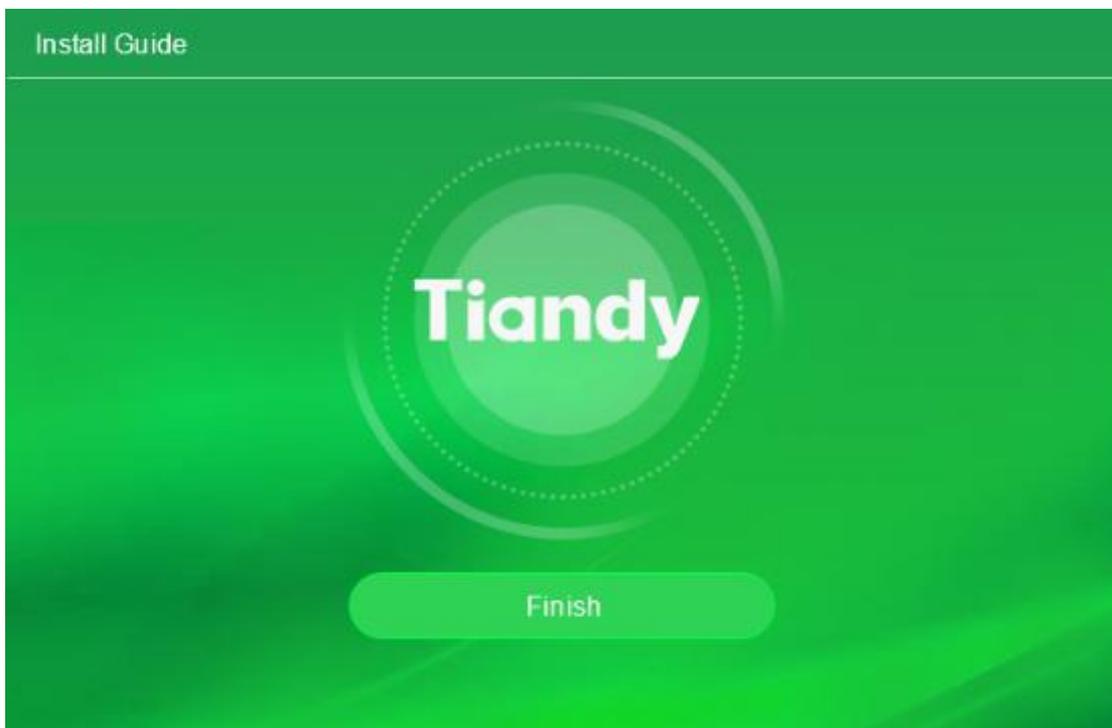


Figure 3.1.6

3.2 Upgrade package installation

Temporarily not available.

3.3 Software uninstallation

Take the uninstallation of "Easy7 Smart Client Express Win64 V8.2.exe" in Windows 10 64-bit system as an example, the uninstallation of other versions is the same.

1) Select "Start"->"All program"->"Tiandy"->"Easy7 Smart Client Express"->"Uninstall", as shown in below figure:

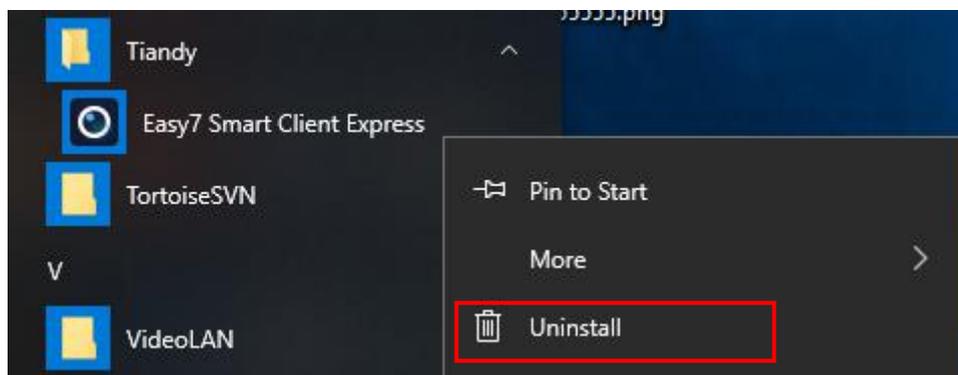


Figure 3.2.1

7) Click "Uninstall", enter control panel, select "Program and feature" -> "Uninstall or change program", then select "Easy7 Smart Client Express", right key to select "Uninstall" or double click, there will display a pop-up for deletion, as shown in below figure:

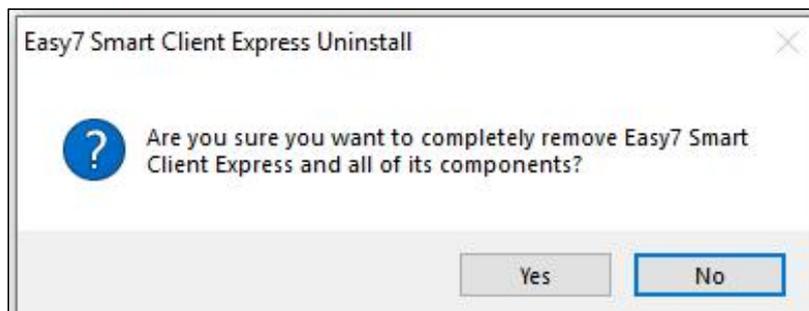


Figure 3.2.2

8) Click "Yes", to uninstall the program will terminate all operating Easy7 related programs and continue uninstallation progress, as shown in the

figure below:

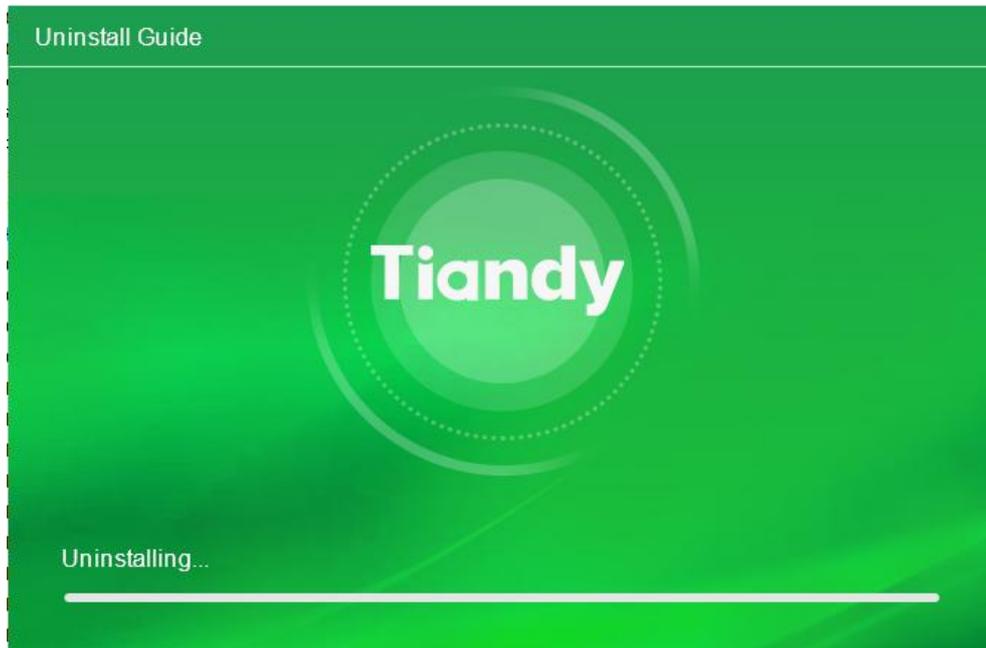


Figure 3.2.3

9) After uninstallation, there will display a pop-up for uninstallation completion, click "Confirm" and the program is completely removed, as shown in the figure below:

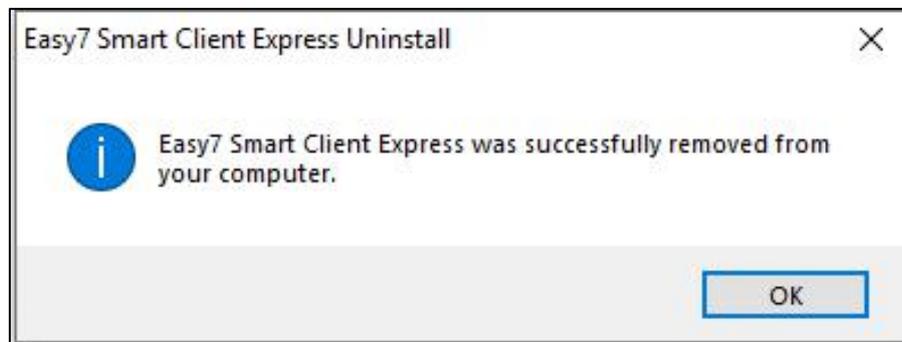
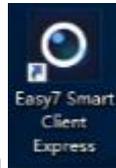


Figure 3.2.4

4. Software login and framework setting

4.1. Software login



Double click the application icon on the desktop to enter system login interface, an initial password is required to be set for the first-time log in, as shown in below figure:

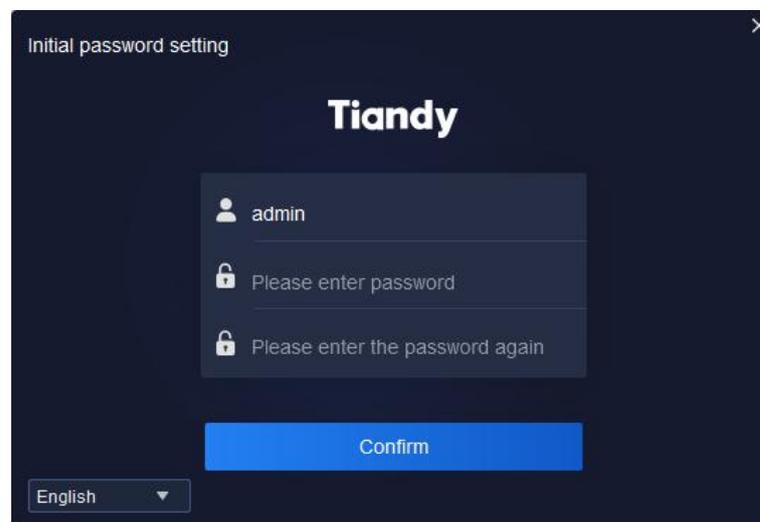


Figure 4.1.1

Note: the password shall be a combination of digits and letters.

After the initial password is set, enter the password protection setting page, as shown in following figure:

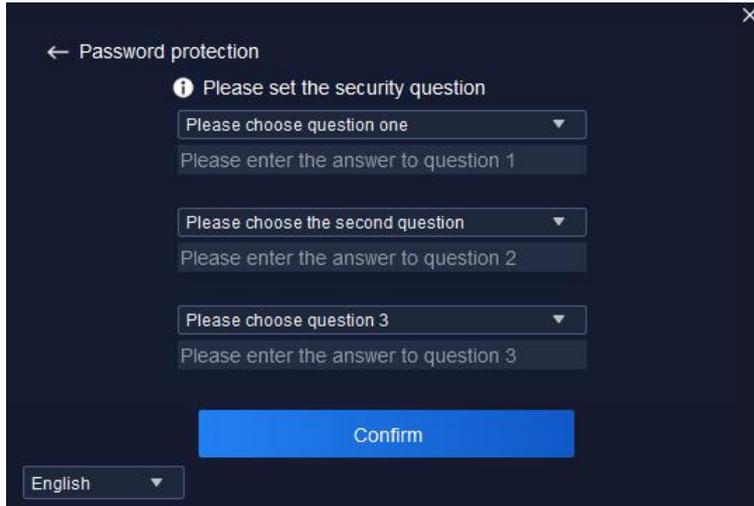


Figure 4.1.2

After the password protection question is set, you will enter the login page, as shown in following figure:

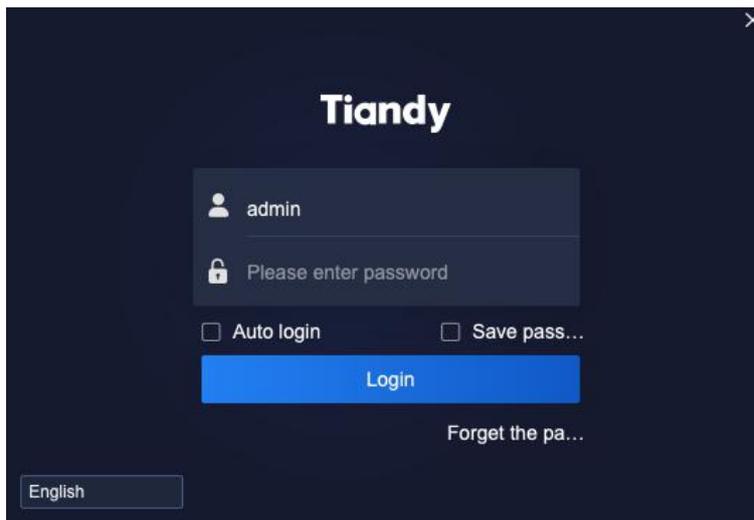


Figure 4.1.3

The information of related parameters in log-in interface is as follows:

Parameter	Description
Auto login	<p>Tick and enable the check box. If the user name and password is correct, there's no need to input user name and password anymore the next time, you may enter automatically.</p> <p>Cancel automatic login: System configuration -> Common</p>

	Settings->Login Settings->Automatic Login Software.
Save password	Tick and enable the check box. If the user name and password is correct, the current password will be saved and it will automatically fill in the password for the next time.
Login	Click and enable it. If the user name and password is correct, you may log in the program.
Forget the password	Click enable and click to enter the password verification page. After the password security question is successfully verified, you can re-enter the initial password setting page to set the password.
	Support shifting between multiple languages.
	Click and enable it. Click to close Easy7 login interface.

Table 4.1.1

4.2. Framework setting

Input correct user name and password, click "Login" to enter the main program interface of Easy7 Smart Client Express. The default grouping is shown in below figure:

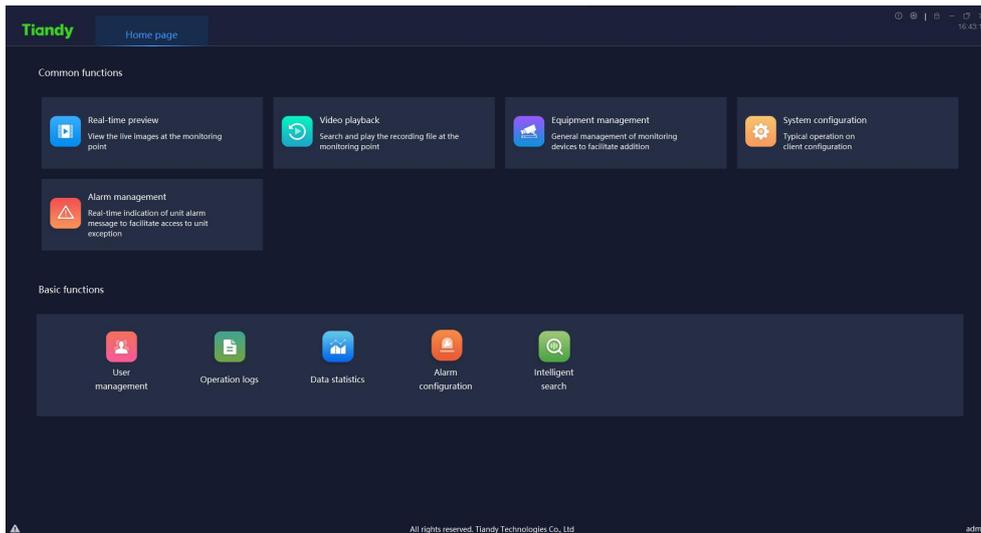


Figure 4.2.1

After entering the interface, click "ⓘ" on the right upper corner of the interface to display version information and date, as shown in below figure:

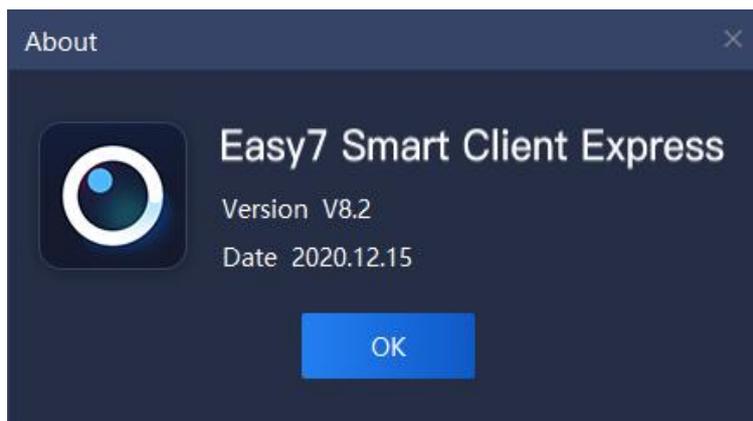


Figure 4.2.2

The mouse slides over "☰" on the right upper corner of the interface to display the current CPU occupancy and memory usage, as shown in below figure:



Figure 4.2.3

When connecting video, if CPU utilized rate exceeds 75%, it cannot connect to real-time video. As shown in following figure:

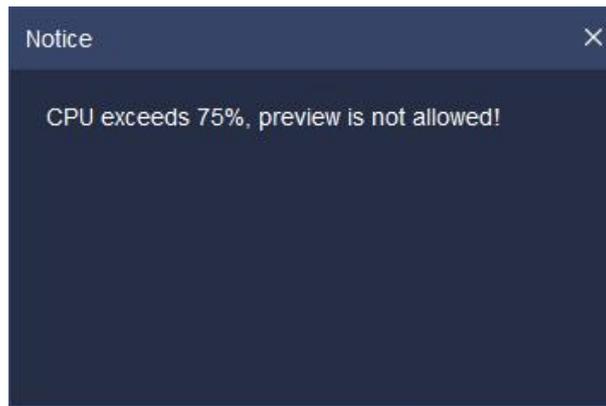


Figure 4.2.4

Click "🔒" on the right corner of the interface to lock the interface. When correct delock password (i.e. login password) is input, the screen will be delocked, as shown in below figure:



Figure 4.2.5

Only accounts with "system lock-in authority" and "system unlocking authority" are able to carry out delock operation.

Click "—" on the right corner of the interface to minimize the program; click "🖥️ / 🖥️" on the right corner of interface to restore/maximize the program; click "✖" on the right corner of interface to quit the program.

In order ensure that users may not close the program by mistake in using process, when "✖" is clicked to quick the program, a notice will pop up to confirm whether to quit the program, as shown in below figure:

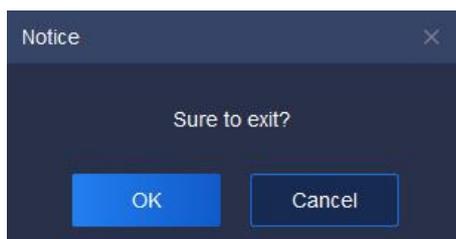


Figure 4.2.6

If "X" is clicked by mistake, click "Cancel" to return to previous operation interface; if you are sure to quit the system, click "OK" to quit.

The right upper corner of the interface will display current system time "13:54:38" to facilitate user to check time at any time.

The navigation menu bar on the top of the interface can be separated from the main interface by dragging the menu, or the position can be exchanged by dragging.

Interface function items are divided into: common functions and basic functions. The module icons in basic and common function area can be dragged separately, and the user can choose the common function for convenience, as shown in below figure:

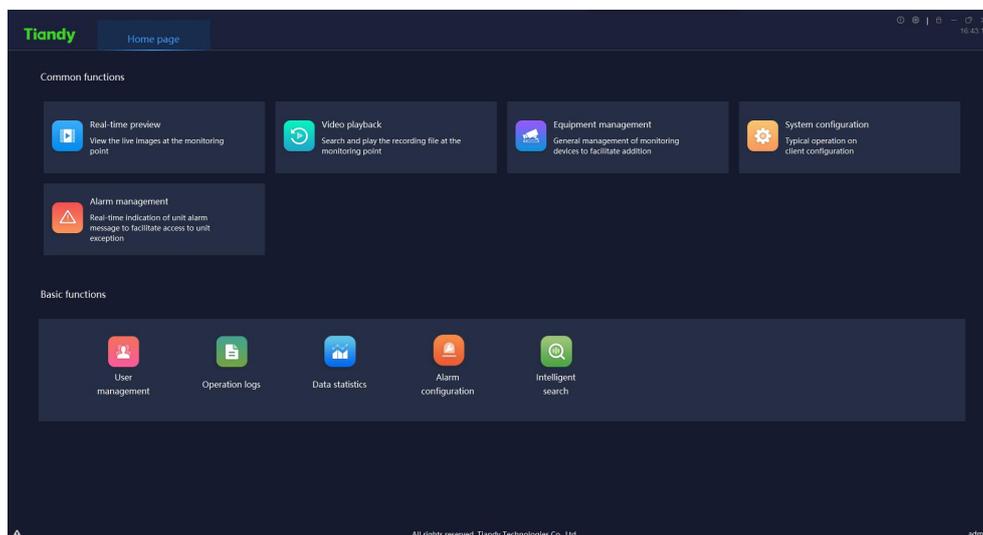


Figure 4.2.7

Real-time preview: View the live images at the monitoring point.

Video playback: Search and play the recording file at the monitoring point.

Equipment management: General management of monitoring devices to

facilitate addition.

System configuration: Typical operation on client configuration.

Alarm management: Real-time indication of unit alarm message to facilitate access to unit exception.

User management: User password change allowed.

Operation logs: Check the system operations logs to understand the system operation.

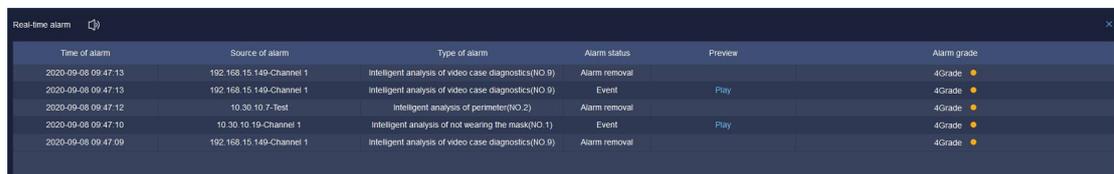
Intelligent search: Intelligent analysis information from search.

Data statistics: Total amount.

Alarm configuration: Coordinated configuration of various alarms.

【Note】 After each login, the module icon will return to the default position, and the navigation menu bar position will be saved as the position when you quit last time.

Click "" on the left lower corner of the interface to display real-time alarm information, as shown in below figure:



Time of alarm	Source of alarm	Type of alarm	Alarm status	Preview	Alarm grade
2020-09-08 09:47:13	192.168.15.149-Channel 1	Intelligent analysis of video case diagnostics(NO.9)	Alarm removal		4Grade
2020-09-08 09:47:13	192.168.15.149-Channel 1	Intelligent analysis of video case diagnostics(NO.9)	Event	Play	4Grade
2020-09-08 09:47:12	10.30.10.7-Test	Intelligent analysis of perimeter(NO.2)	Alarm removal		4Grade
2020-09-08 09:47:10	10.30.10.19-Channel 1	Intelligent analysis of not wearing the mask(NO.1)	Event	Play	4Grade
2020-09-08 09:47:09	192.168.15.149-Channel 1	Intelligent analysis of video case diagnostics(NO.9)	Alarm removal		4Grade

Figure 4.2.8

"Real-time alarm" records time, source, type, status, grade and other information of the alarm. When alarm information occurs, click "Play" to check alarm video playback, as shown in below figure:

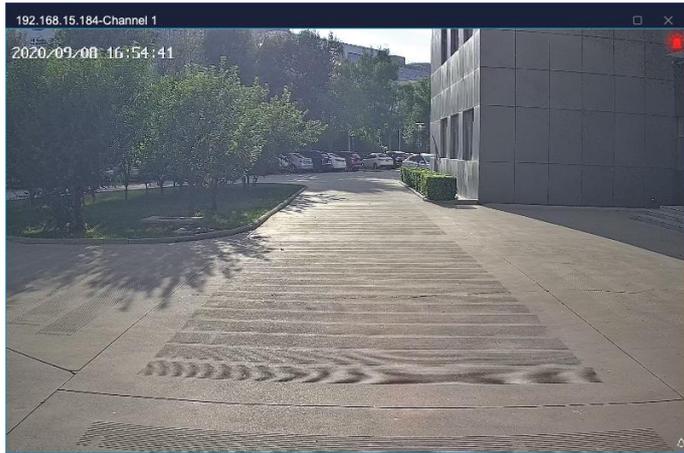


Figure 4.2.9

5. Function operation instruction

5.1. Equipment management

Click the equipment management icon  on home page to enter the equipment management interface.

5.1.1. Encode device management

Click "Device" to enter the device management interface. The device interface displays name, device type, IP address, port, video channel, connection status and other basic information of all added device, in which if the connection status is green, it means the device is on-line, and if it is red, it means the device is offline; addition, modification, deletion and other operation of the device can be conducted. As shown in below figure:

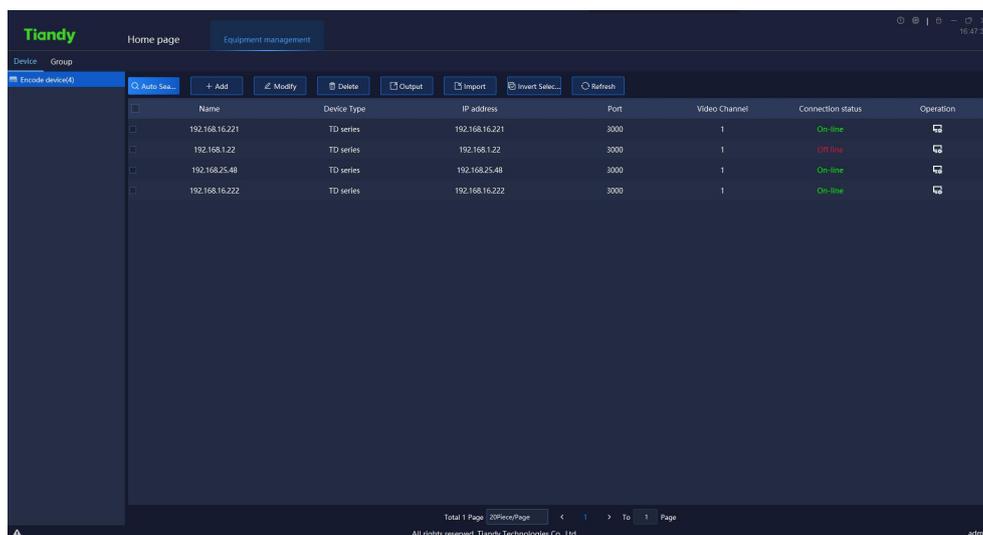


Figure 5.1.1.1

The information of related parameters in the interface is as follows:

Parameter	Description
Auto Search	Automatically search for devices under the same network segment, batch addition supported.
Add	Manually add encode device, support IP method,

	Standard domain name method, EasyDDNS method and P2P method to add device.
Modify	Modify information of already added device.
Delete	Delete already added device, batch deletion of device supported.
Output	Select the device, and output the device information in three forms of Equipment List, Organization Chart, and Organization Relationship Table.
Import	Click the device, and input the information in Equipment List, Organization Chart, and Organization Relationship Table, which are contained in the file.
Invert Selection	Select all device that are not selected at that moment.
Refresh	Update the status of device at current interface.
Name	Display the name of all already added device.
Device Type	Display the device type of all already added device, TD series (Tiandy series) supported.
IP Address	Display the IP address of all already added device.
Port	Display the port of all already added device.
Video Channel	Display the maximum number of video channels allowed to play of all already added device.
Connection Status	Display the current connection status of all already added device.
Operation	Click and enable it to open the web user-side interface of the device.

Table 5.1.1.1

5.1.1.1. Auto search of encode device

Click "  " to enter automatic search interface, as shown in below figure:

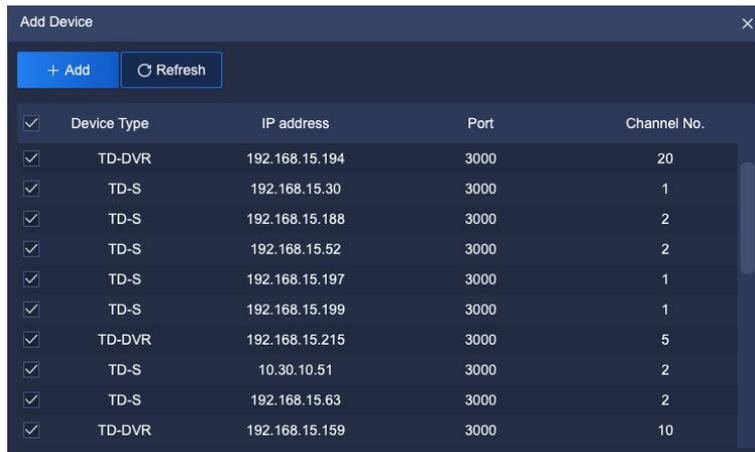


Figure 5.1.1.2

Tick and select one or more device in device column, click "**+ Add**" and a pop-up to add device will display, input the device's user name and password (it's recommended to set unified user name and password for several device, if user name or password is wrong, the batch addition of partial device will fail). If you select to import it into a group, the device will be automatically imported into the group, otherwise you need to manually add to a group, as shown in below figure:

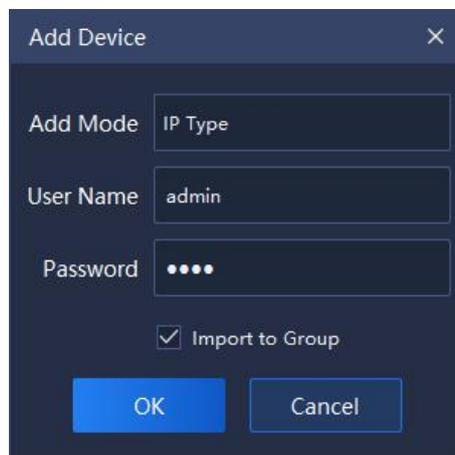


Figure 5.1.1.3

After addition, it will display the number of device successfully and unsuccessfully added, as shown in below figure:

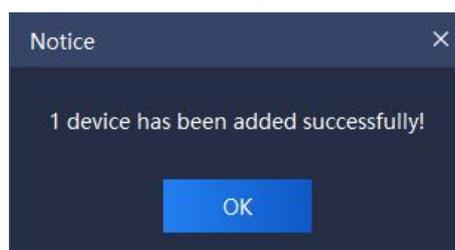
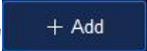


Figure 5.1.1.4

Click "  " to refresh the information of on-line device.

5.1.1.2. Encode device addition

Click "  " to enter device addition interface, as shown in below figure:

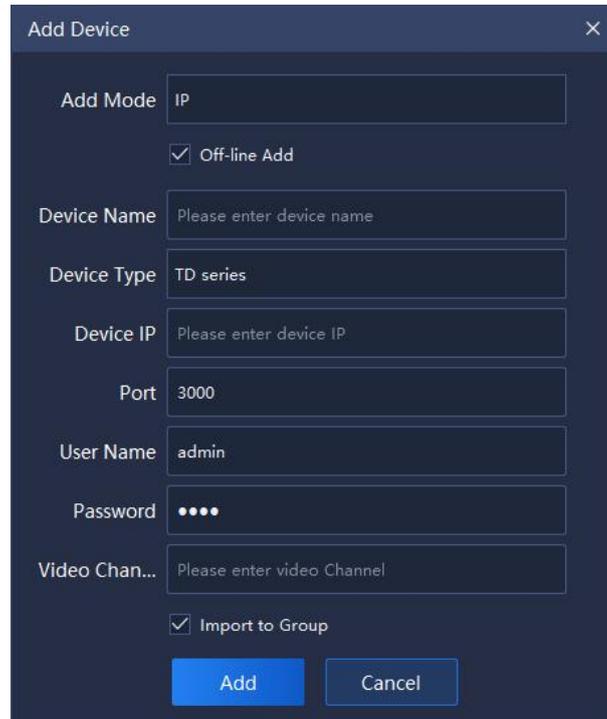


Figure 5.1.1.5

Select device addition type and fill in corresponding device name, device ID, port, user name, password and video channel, and tick to select whether it's offline device addition and whether needs to import a group according to requirement, the description of related parameter information is as follows:

Parameter	Description
Add Mode	Select different add type: IP type, Standard domain name type, EasyDDNS type and P2P type.
Off-line Add	Tick, then both on-line and offline device can be added. Not to tick, then only on-line device can be added.
Device Name	Add device name. (There's illegal character limit when adding device name, following characters are not

	allowed to be input ~!#\$%^()=[]{},":'<>?*+/\&)
Device Type	Optional device type: TD series (Tiandy series).
Device IP	Add device IP.
DNS	Add device DNS.
Device ID	This information needs to be typed in when enabling the P2P adding model. Find [Device ID] via Device IE->Config.->System Config.->System Maintenance->System Upgrading->Version Info, or Device IE->Config.->Advanced Option->System Settings, then type in the digital characters.
DNS User name	It's necessary to input this information when EasyDDNS type is selected.
DNS Password	It's necessary to input this information when EasyDDNS type is selected.
Port	Add the communication port of device.
User Name	Add the login user name of device.
Password	Add the login password of device.
Video Channel	Add the total number of video channels the device has.
Import to Group	Tick, then the system will automatically add the device to Customized list and create a group (the same as device name).

Table 5.1.1.2

Upon correct information is input, the device will be connected, as shown in below figure:

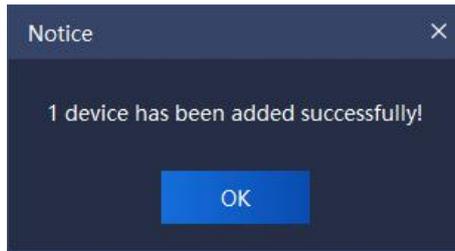


Figure 5.1.1.6

5.1.1.3. Encode device modification

Tick and select the device to be modified, click " Modify" to enter device information modification interface, as shown in below figure:

A dark-themed "Modify Device" dialog box with a close button (X) in the top right corner. It contains several input fields: "Add Mode" (value: IP), "Device Name" (value: 192.168.25.48), "Device Type" (value: TD series), "Device IP" (value: 192.168.25.48), "Port" (value: 3000), "User Name" (value: admin), "Password" (masked with four dots), and "Video Chan..." (value: 1). At the bottom, there are two buttons: "Modify" and "Cancel".

Figure 5.1.1.7

Modification of add type, device name, device type, device IP, port, user name and password, video channel and other related information supported. Click "Modify" to complete modification, as shown in below figure:

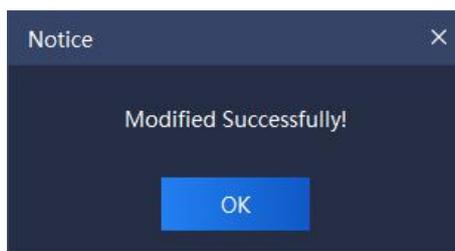


Figure 5.1.1.8

5.1.1.4. Encode device deletion

Select one or more devices to be deleted, click "  Delete " to enter device deletion interface, as shown in below figure:

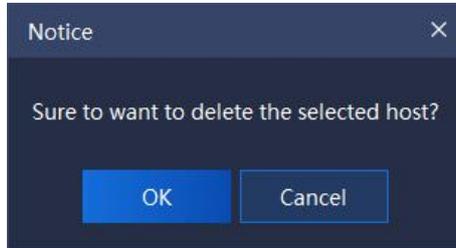
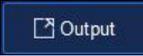


Figure 5.1.1.9

5.1.1.5. Encode device output

Check the device that needs to be added and handled, click the button "  Output ". Only after the password verification could the device information be output, as is shown in below figure:

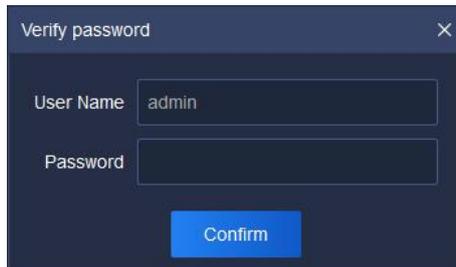


Figure 5.1.1.10

The selected device will be output to the file in three forms of Equipment List, Organization Chart and Organization Relationship Table, as is shown in below figure:

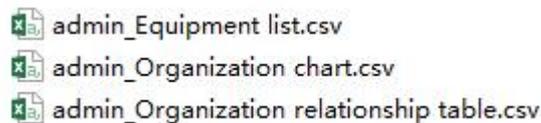


Figure 5.1.1.11

5.1.1.6. Encode device import

Upload the Equipment List, Organization Chart and Organization Relationship

Table . The upload result will record the number of host computer, success and failure, as is shown in below figure:

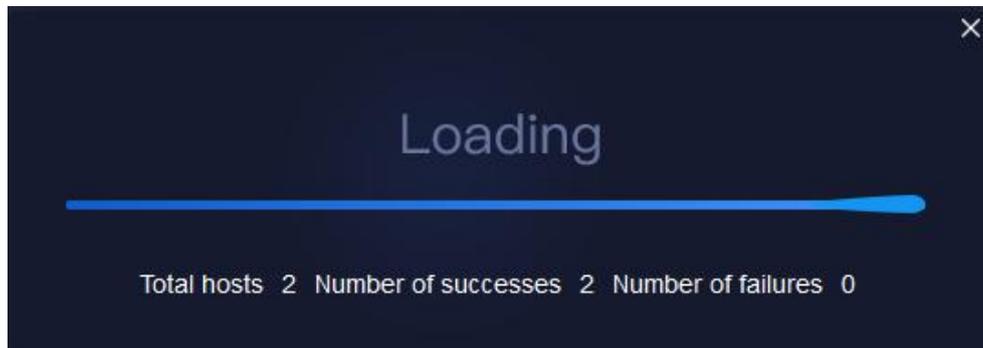


Figure5.1.1.12

5.1.1.7. Encode device invert selection

Select one or more devices not to be operated, click "**Invert Selection**", select all devices not selected at that moment, and conduct on selected devices.

5.1.1.8. Encode device refresh

Click "**Refresh**" to refresh the information of all devices on current page.

5.1.2. Grouping

Click "Group" to enter group management interface. Information of all devices and customized groups in current system will be displayed, as shown in below figure:

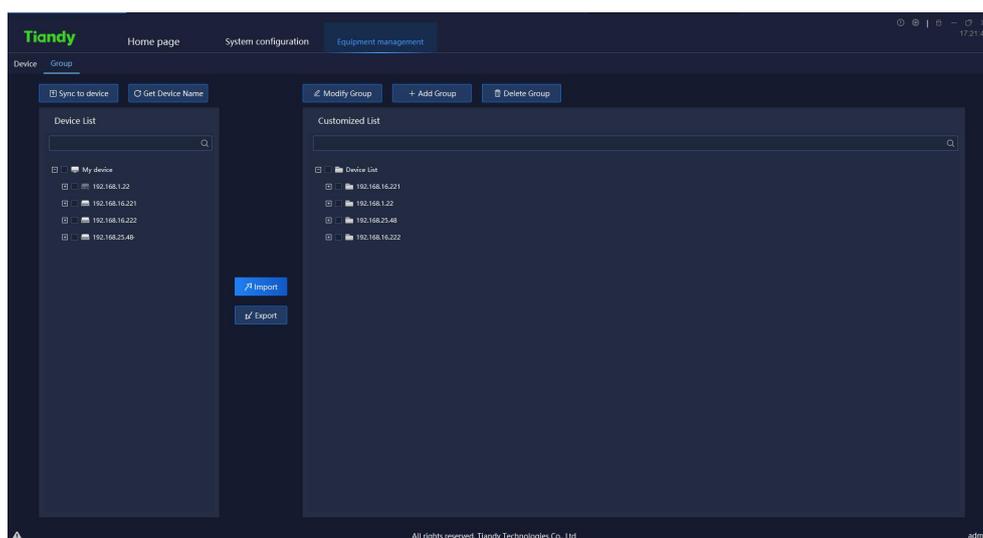
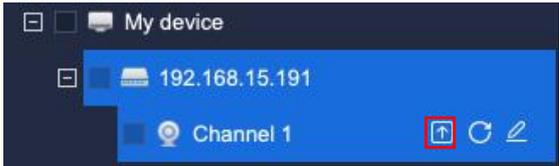


Figure 5.1.2.1

The description of related parameters in this interface is as follows:

Parameter	Description
	Set the channel name on the local device tree synchronously to the front-end channel.
	Get the front-end channel name of on-line channel in Device list.
	Select a group in Customized list, click to modify the group name.
	Select the list needs to create sub-group in Customized list, click to add a group.
	Tick and select a Customized list group, click to delete the group and delete the sub-groups and channels in the group at the same time.
	Tick and select the channel in left Device list, select a group in right Customized list, click to import the device to the customized device list.
	Tick and select the channel in Customized list group, click to export that channel.
	Quick search of channel name, input key information and the channel name including that key information will be displayed in Device list and Customized list.
	Sync to device, move the mouse to Device list channel node, click synchronize the channel name to the front-end channel, as shown in below figure: 
	Get the name, move the mouse to Device list channel node, click to get the front-end channel name of single

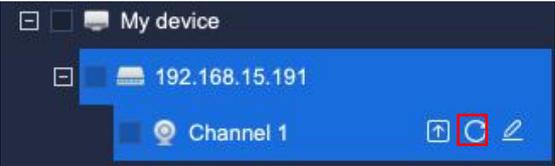
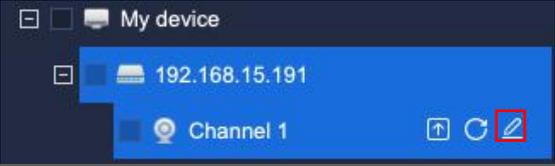
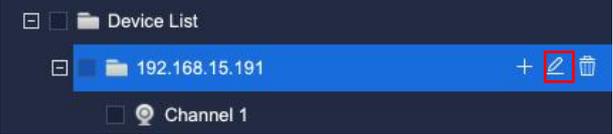
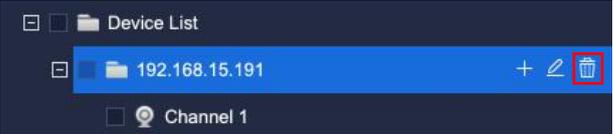
	<p>channel, as shown in below figure:</p> 
<p> (in Device list)</p>	<p>Modify channel name, move the mouse to Device list channel node, click to modify the channel name, as shown in below figure:</p> 
<p></p>	<p>Add group, move the mouse to Customized list group, click to add the sub-group of the group, as shown in below figure:</p> 
<p> (in Customized list)</p>	<p>Modify watch point group, move the mouse to Customized list group, click to modify the name of the watch point group, as shown in below figure:</p> 
<p></p>	<p>Delete group, move the mouse to Customized list group, click to delete the group, and delete the sub-groups and channels in the group at the same time, as shown in below figure:</p> 

Table 5.1.2

The information in left Device list is the information of all added encode

devices and their channels automatically generated by the system. The right Customized list is the group information customized by users themselves. To facilitate user's management, users may add the encode device on the left to the Customized list on the right as necessary. For example, to add all channels of device 10.30.10.12 in Device list to the "Group Test" in customized group of Customized list, the operation steps are:

- 1) Tick and select all channels of 10.30.20.12 in Device list



- 1) Select the customized group to be added in Customized list

(highlighted when



selected)

- 2) Click "Import" to add channels.

Similarly, select corresponding device channel in Customized list, click



"Export" to delete the device channel from Customized list. (Note: Modules other than equipment management all load Customized list, users need to add used devices into Customized list.)

If the name of Channel 1 in device 10.30.10.21 in Device list needs to be modified, click "Edit" and a pop-up for modifying device name will display, as shown in below figure:

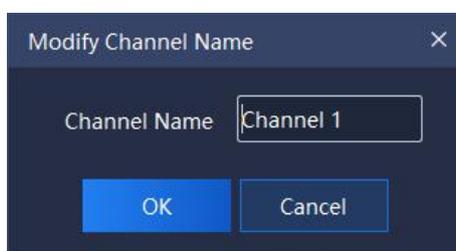


Figure 5.1.2.2

Similarly, select list group in Customized list, click "Edit" and a pop-up for

modifying watch point name will display, as shown in below figure:



Figure 5.1.2.3

5.2. Real-time preview

Click the real-time preview icon  on the home page to enter real-time preview interface. The main interface consists of Device list, video preview window, View, PTZ control ,Senior and Target Information, as shown in below figure:

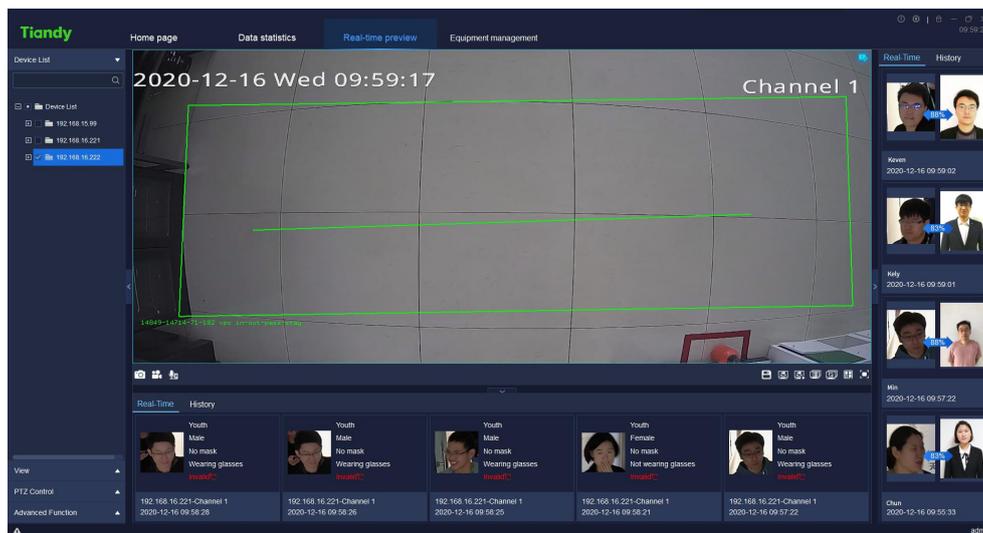


Figure 5.2

5.2.1. Device list

Click "Device list" on the left to display all customized group list and input key information in search blank, double click to check device watch point, as shown in below figure:

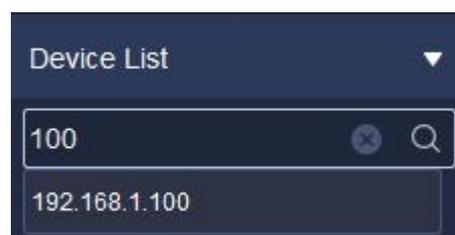


Figure 5.2.1

5.2.1.1. Right key menu of encode device customized group list

Click right key on the customized group list and the right key menu of customized group list will pop up, as shown in below figure:

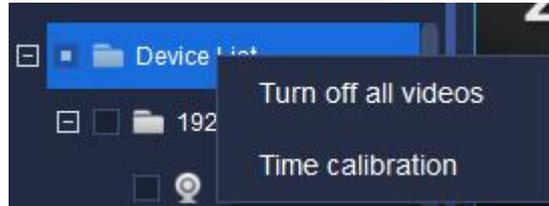


Figure 5.2.1.1

The description of related parameters is as follows:

Parameter	Description
Turn off all videos	Turn off all videos connected at that moment.
Time calibration	Conduct time calibration on on-line devices in all group lists.

Table 5.2.1.1

5.2.1.2. Right key menu of encode device group list

Select a group in Device list and click right key, the right key menu of device group list will pop up, as shown in below figure:

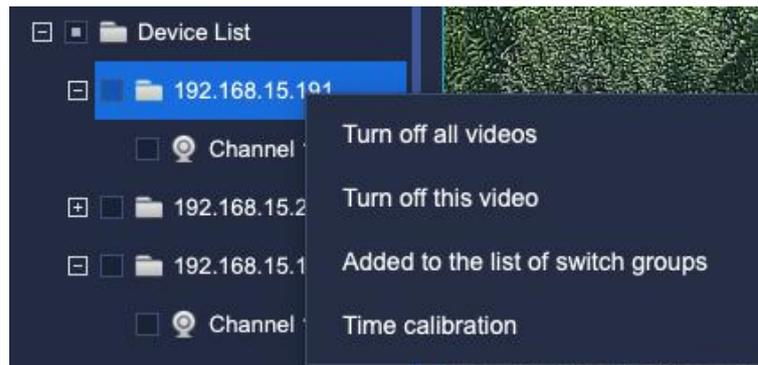


Figure 5.2.1.2

The description of related parameters is as follows:

Parameter	Description
Turn off all videos	Turn off all videos connected at that moment.

Turn off this video	Turn off all videos connected in current group.
Added to the list of switch groups	Add selected encode device to automatic switch group list.
Time calibration	Conduct time calibration on on-line devices in selected group lists.

Table 5.2.1.2

5.2.1.3. Right key menu of encode device list

Select a channel watch point of a device in device list group, click right key, the right menu of device list will pop up, as shown in below figure:

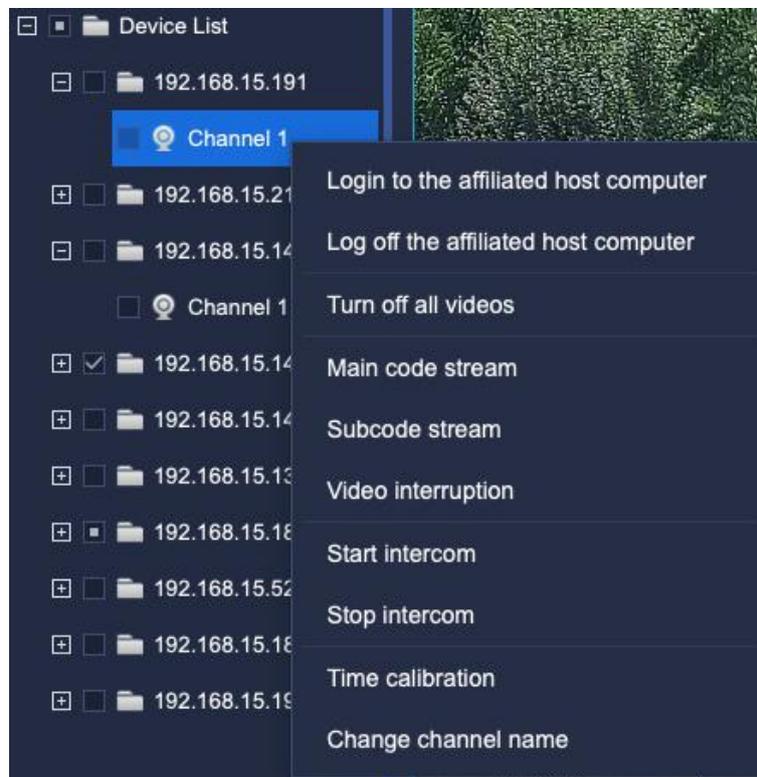


Figure 5.2.1.3

The description of related parameters is as follows:

Parameter	Description
Login to the affiliated host computer	Right click the encode device channel to restore the connection between the device host computer of the channel and Easy7 platform. For example, select Channel 1 in [Device List] in above figure (the affiliated host computer is

	<p>192.168.15.191), right click "Login to the affiliated host computer", the connection status of the host computer 192.168.15.191 is on-line, as shown in below figure:</p> 
<p>Log off the affiliated host computer</p>	<p>Right click the encode device channel to disconnect the connection between the device host computer of the channel and Easy7 platform. For example, select Channel 1 in [New Group] in above figure (the affiliated host computer is 192.168.15.149), right click "Log off the affiliated host computer", the connection status of the host computer 192.168.15.149 is offline, as shown in below figure:</p> 
<p>Turn off all videos</p>	<p>Turn off all videos connected at that moment.</p>
<p>Main code stream</p>	<p>In the channel of login encode device, click this button to connect the main code stream video of the channel.</p>
<p>Subcode stream</p>	<p>In the channel of login encode device, click this button to connect the subcode stream video of the channel.</p>
<p>Video interruption</p>	<p>In the channel connected to video, click this button to</p>

	disconnect the video of the channel.
Start intercom	In the channel of login encode device, click this button to talk to the video source of the channel. Click this button in the channel of DVR/NVR device, the intercom box "Talking to XXXX" will pop up to start talking with DVR/NVR; click this button in the channel of IPC device, the intercom box "Talking to XXX" will pop up to start talking with IPC device.
Stop intercom	In the channel of login encode device, click this button to stop the intercom with video source of the channel.
Time calibration	To conduct time calibration on this on-line device.
Change channel name	Change the name of currently selected channel.

Table 5.2.1.3

5.2.2. Video preview window

In video preview window, the video will be displayed in the middle, capture menu, video menu and sound menu are in the left lower part, menus can realize its function respectively. Double click video window to maximize it and double click it again to restore, as shown in below figure:

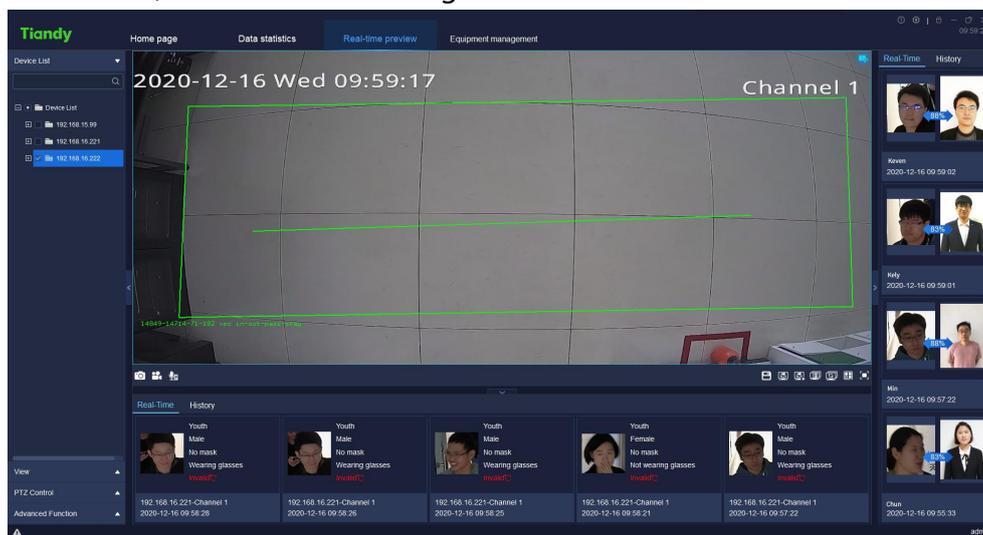


Figure 5.2.2.1

During the video preview, the split screen window will self-adapt to the video according to the number of linked videos, and it supports the real-time video

playing of devices added in various ways.

The target bar in the below will display human face information, age, sex, whether or not wearing a mask, whether or not wearing glasses and physical temperature, etc.

The target bar in the right will display the comparison similarity result with the human face database, and the strangers' face will not be displayed.

When previewing video, the target bar on the right side can display the real-time detected face information.

When previewing video, the status bar at bottom left (in dark color) may display current channel is connecting respectively, audio preview, capture function and channel video recording are supported. The channel name will be displayed at bottom right, when the alert is turned on, the right upper corner of the video window will display the alert icon and not to display it when the alert is turned off, as shown in below figure:

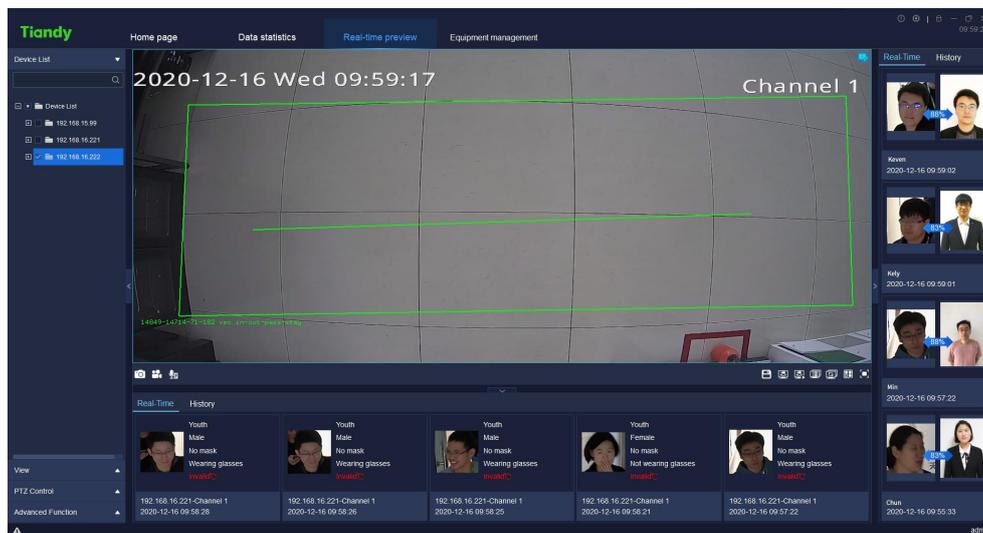


Figure 5.2.2.2

5.2.2.1. Toolbar in video preview interface

The description of icons in toolbar in video preview interface is as follows:

Icon	
	Capture all, to capture windows of all connected videos at current screen.

	Start all recording, record windows of all connected videos at current screen.
	Intercom list, display current intercom status.
	Save view, users click to save current view information.
	Rotating display plan, allow users to set their own switch mode, so that Easy7 can automatically switch video channels on [Real-time preview] interface for users' convenient browse.
	Start rotating display, automatically switch video channels to preview according to rotating display plan.
	Group switching list, click this button to display group switching list. There will have devices in the list only when right click the device group in customized device list of device list on the left to select and add devices to [Add to group switching list].
	Start/Stop group switching, open video window, click this button to conduct group switching; click again to stop group switching.
	Set number of video views, click and the setting menu of displayer will pop up.
	Full screen, click to display video window at full screen. Click ESC button or right click the video to cancel full-screen display to escape from full-screen model.
	Indicate that the video connecting status is direct connection
	Turn off the video, i.e. disconnect the connection of present video.
	Turn on audio / Turn off audio

	Screen capture, capture the picture of the present video.
	Turn on tape recording / turn off tape recording

Table 5.1.2.1

5.2.2.2. Right key menu of video preview window

Right click video preview window and the right key menu of video preview window will pop up, as shown in below figure:

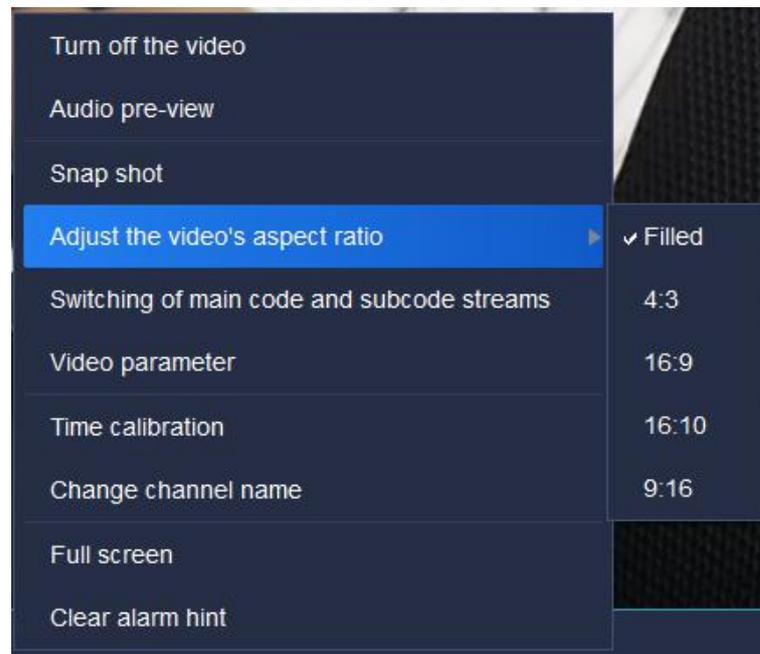


Figure 5.2.2.3

The description of related parameters is as follows:

Parameter	Description
Turn off the video	Click on the single video window of connected video to turn off the video in the window.
Audio pre-view	Click on the single video window of connected video to listen to the audio of video channel in the window.
Snap shot	Click on the single video window of connected video to take snap shot of the window.

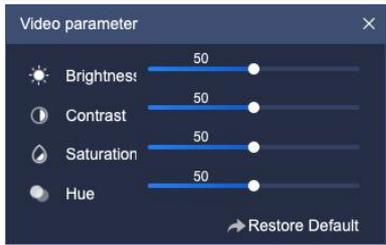
Adjust the video's aspect ratio	Adjust the video's aspect ratio, filled, 4:3, 16:9, 16:10 and 9: 16 supported.
Switching of main code and subcode streams	Auto switch between main code and subcode streams. Support simultaneous switch among native video.
Video parameter	Set the display parameter of currently selected video: brightness, contrast, saturation and Hue.
	Modify video parameters of selected video, restore default supported.
Time calibration	Conduct time calibration on the on-line device.
Change channel name	Change the name of currently selected channel.
Full screen	Display video view window at full screen.
Clear alarm hint	Clear video channel making alarm at that moment.

Table 5.2.2.2

5.2.2.3. Rotating display plan

The main function of rotating display plan is to allow users to set their own switch mode, so that Easy7 can automatically switch video channels on [Real-time preview] interface for users' convenient browse.

1) Add view:

After configuring the split screen scheme and the video played, click "  " in preview interface toolbar to save view, as shown in below figure:

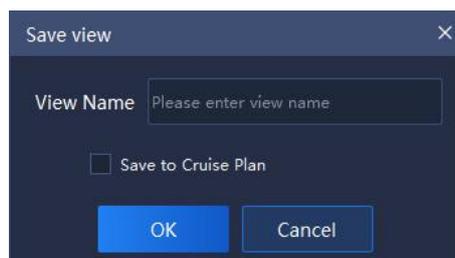


Figure 5.2.2.4

2) Add rotating display plan:

Click view bar on the left and select the view to be added, right click "Add to the regular rotating switch program", as shown in below figure:

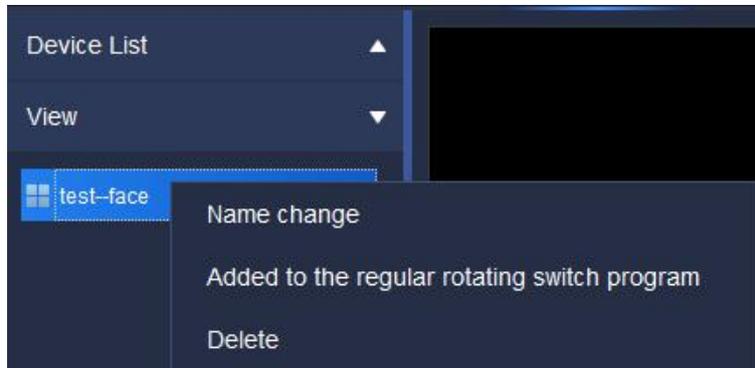


Figure 5.2.2.5

3) Set rotating display plan:

Click "  " in preview interface toolbar in bottom right to enter to List of view rotating display plan interface, as shown in below figure:

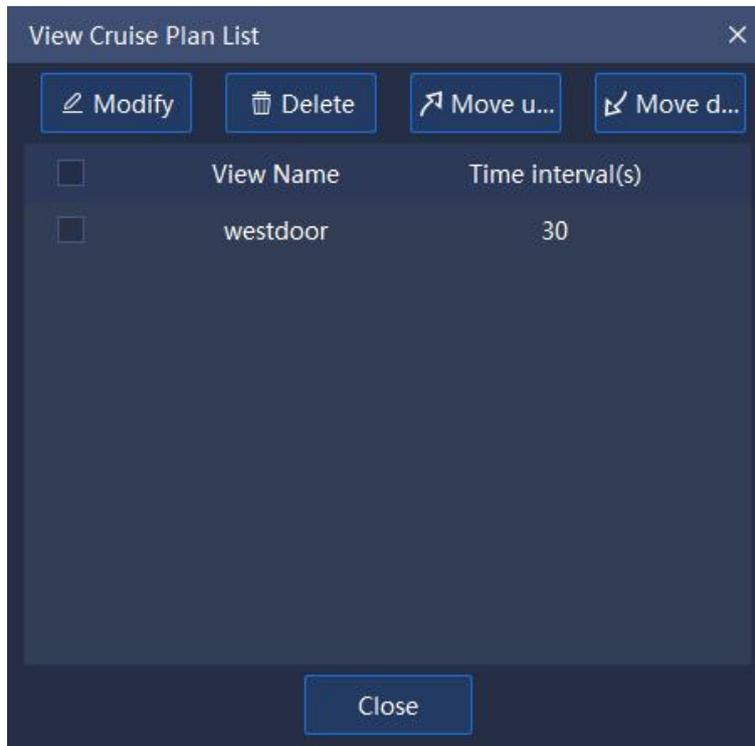


Figure 5.2.2.6

(1) Change the rotating display intervals: tick and select the view to be modified, click "  " too change the rotating display interval (the range of

interval value is 30~3600s), as shown in below figure:

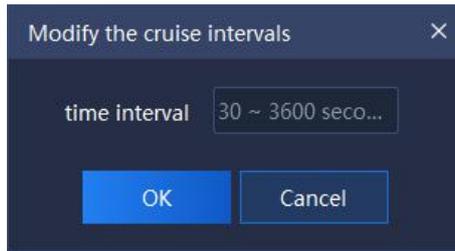


Figure 5.2.2.7

(2) Delete: tick and select the view to be deleted, click "  Delete " to delete the view, as shown in below figure:

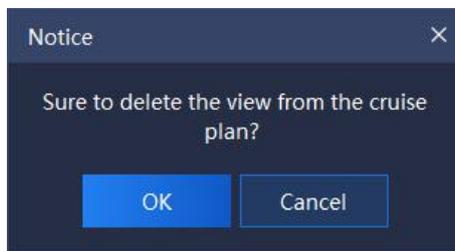
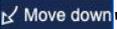


Figure 5.2.2.8

(3) Move upwards/Move down: tick and select the view to be moved, click  Move upward  Move down" to adjust the view play order.

4) Turn on/Turn off rotating display plan:

Click "  " in preview interface toolbar on bottom right to turn on rotating display plan, click again to turn off rotating display plan.

5.2.2.4. Group switching setting

1) Add group switching:

Right click a group in "Device list" on the left, click "Add to group switching list" to add group switching, the pop-up notice box is shown as follows:

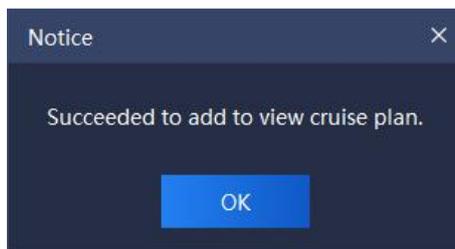


Figure 5.2.2.9

10) Set group switching:

Click " " in preview interface toolbar on bottom right to set interval and group split screen number of group switching, as shown in below figure:

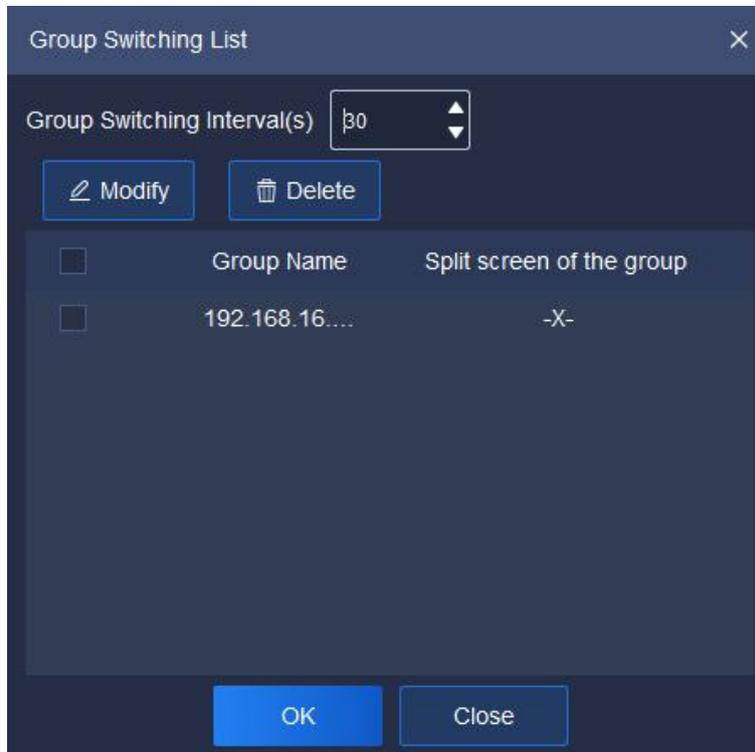


Figure 5.2.2.10

(1) Set group switching interval: set group switching interval in upper part of the interface, the range of interval value is 30~3600s.

(2) Set split screen number, -X- screen (not to change split screen number and keep original split screen number), 1×1 screen and 2×2 screen supported. Two methods can be adopted to change split screen number, explained as follows:

① Click " " to enter Set Split Screen Number interface;

② Double click the split screen number in Group Split Screen to set enter Set Split Screen Number interface, as shown in below figure:

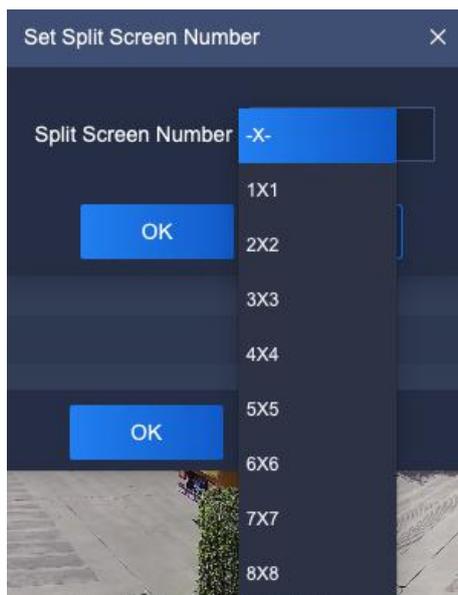


Figure 5.2.2.11

11) Turn on/Turn off group switching:

Click "" on preview interface toolbar on bottom right to turn on group switching, click again to turn off group switching.

5.2.2.5. Target Information

Under and in the right of real-time preview interface, display information of identified persons and the comparison human face database, as is shown in below figure:

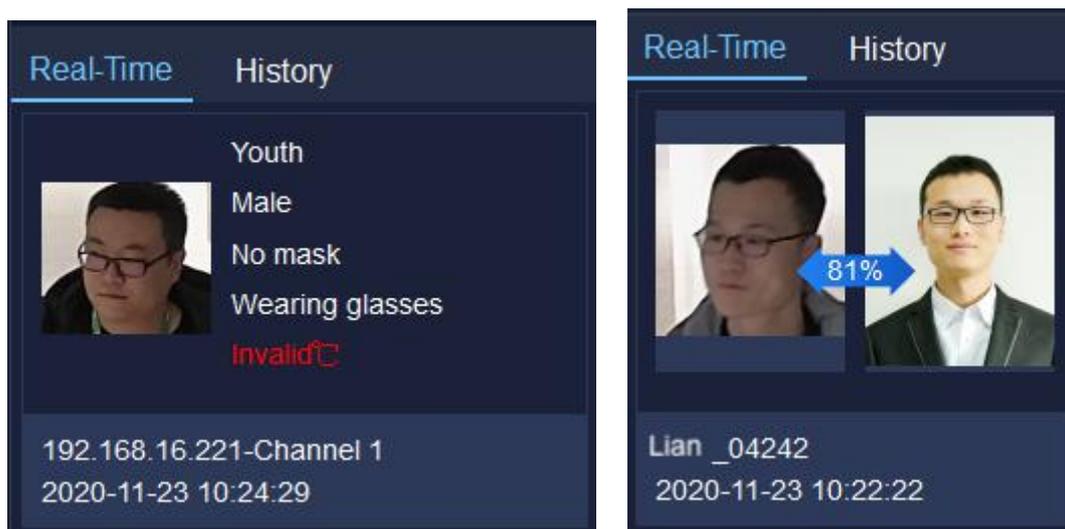


Figure5.2.2.12

The target information can identify the person's age, sex, whether or not

wearing a mask, whether or not wearing glasses, detected physical temperature and detection time in real time. At the same time, it can also identify whether the person matches in the human face database. If yes, it can be compared with the pictures uploaded in the database, and the similarity, the name of the person and the detection time will be displayed, otherwise stranger alarm will be on.

If previous record needs to be checked, shift to "History" to check history information.

5.2.3. View

View list shows currently saved view tag, double click to preview the information of this view. Right click this list view node and a menu will pop up, as shown in below figure:

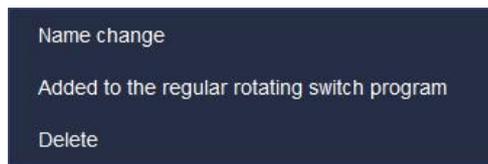


Figure 5.2.3

The description of related parameters is as follows:

Parameter	Description
Name change	Click to change view name.
Add to the regular rotating switch plan	Click to add the view to the regular rotating switch plan list.
Delete	Click to delete this view information node from view list.

Table 5.2.3

5.2.4. PTZ control

PTZ control may control PTZ speed, preset, etc., as shown in below figure:

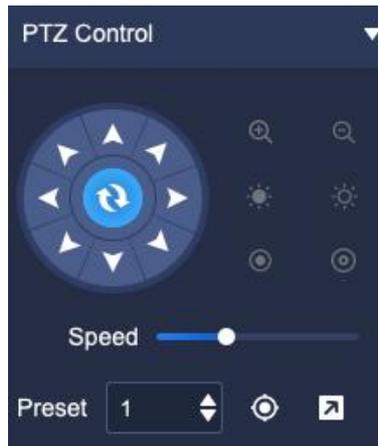


Figure 5.2.4

The description of icons on PTZ control interface is as follows:

Icon	Description
	<p>8-direction key, press corresponding direction key to control PTZ to rotate in the direction accordingly; the center button is scan shortcut key.</p>
	<p>Zoom control button, press "  " to control the device to perform zoom-out operation, the field of view angle becomes larger and the scene becomes smaller; press "  " control device to perform zoom-in operation, the field of view angle becomes smaller and the scene becomes larger.</p>
	<p>Focus control button, press "  " to control the device to perform focusing-in operation, the near scene is clear and the far scene is fuzzy; press "  " to control the device to perform focusing-out operation, the far scene is clear and the near scene is fuzzy.</p>
	<p>Aperture control button, press "  " to control the</p>

	device to perform aperture reduction operation, press "  " to control device to perform aperture enlargement operation.
	The slider can adjust the rotation speed of the device.
	Set the preset number for calling.
	Call the preset. Select saved preset, click to call and the screen will jump to the preset part.
	Set the preset. Select the preset number to be saved, adjust the screen to the preset to be saved, click Set to save this position.

Table 5.2.4

5.2.5. Senior

Senior may set the light, power and wiper, as shown in below figure:

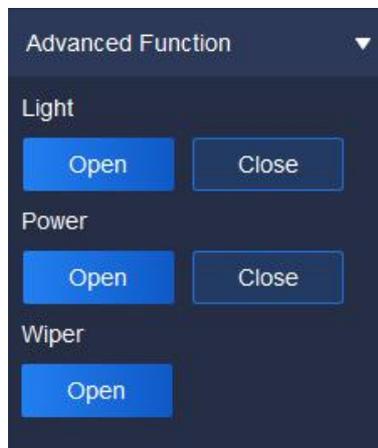
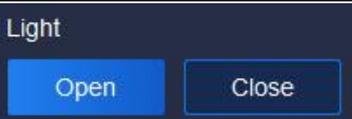


Figure 5.1.5

The description of related parameters is as follows:

Parameter	Description
	Open/close light.

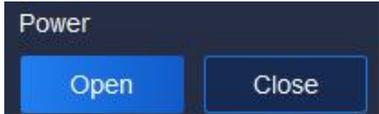
	Open/close power.
	Open wiper.

Table 5.2.5

5.3. Video playback

Click the video playback icon  on home page to enter video playback interface, query of video recording and time-based video downloading are supported, as shown in below figure:

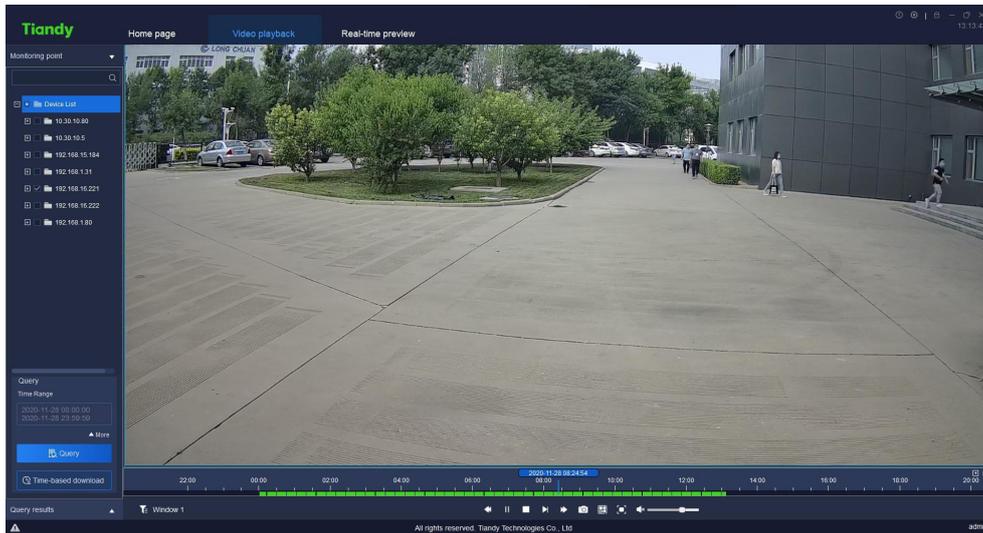


Figure 5.3

5.3.1. Video query

In video playback interface, click Watch point on the left, set range of time for query, if more precise query is required, click "

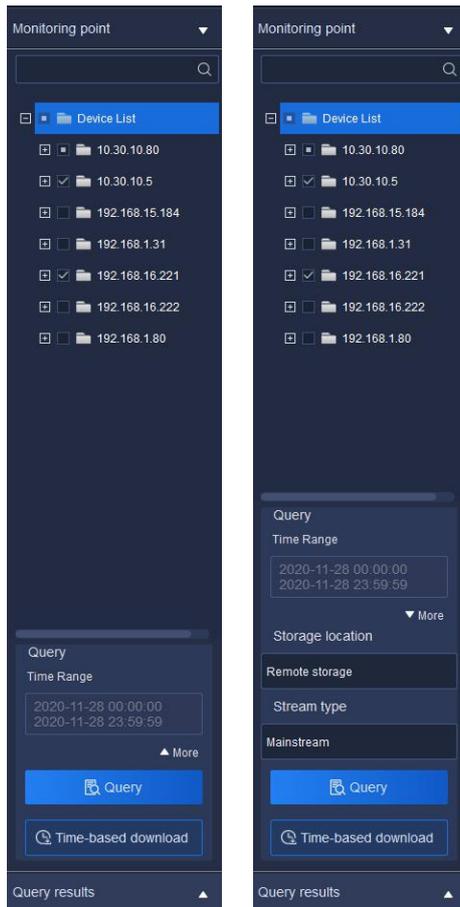


Figure 5.3.1.1

Select range of time, select the start time on the start calendar of the time range and the end time on the calendar for the end time.

When front-end storage is selected in storage type, following stream types can be selected, both main code stream and subcode stream supported.

When conditions are selected, click Query to display query result notice box, as shown in below figure:

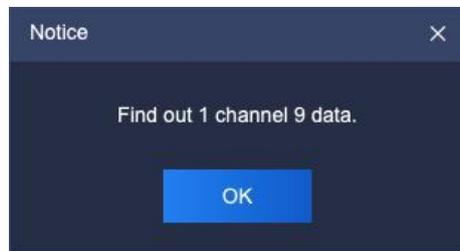


Figure 5.3.1.2

Click "  " below to check current query results, the expanded interface is shown in below figure:

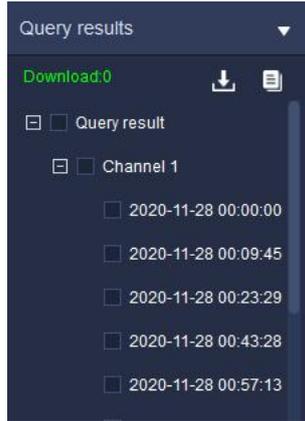


Figure 5.3.1.3

At this time, the query results will be displayed on the progress bar, and users can playback by clicking the time point on the progress bar

5.3.2. Video playback

Play mode 1: for queried videos, double click one video file to realize playback of the file.

Play mode 2: select a playback window, click  of playback control to realize video playback on time axis related to selected window.

Play mode 3: select a playback window, directly click the time point in time axis to play back from that time point.

5.3.2.1. Playback control

The playback control menu is shown as follows:



Figure 5.3.2.1

The description of icons on playback control interface is as follows:

Icon	Description
	Slow forward button, click to make the video file play slowly.
	Fast forward button, click to make the video file play quickly.

	Play/Pause button, click to control the start/pause of video file.
	Step forward button, click to make the video file play frame by frame.
	Stop button, click to stop the playback of current video file.
	Snap shot button, click to snap shot the selected video file being played.
	Set screen number button, click to pop up the menu of playback window split screen.
	1×1 screen playback supported, click and the video playback window will display in single screen.
	1×2 screen playback supported, click and the video playback window will display in two split screens.
	1×3 screen playback supported, click and the video playback window will display in three split screens.
	2×2 screen playback supported, click and the video playback window will display in four split screens.
	3×3 screen playback supported, click and the video playback window will display in nine split screens.
	4×4 screen playback supported, click and the video playback window will display in sixteen split screens.
	Full screen display button, click to display the playback window in full screen. Click ESC or right click to cancel full screen display to turn off full screen display.
	Volume adjustment bar, drag to adjust the sound of video playback. Click on the horn to turn sound on/off.
	Used to adjust the accuracy of time axis.

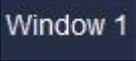
	Display the current control window number.
	Video type filter button, click to filter the video time axis type, and the time axis of unselected video type will not be displayed. The filter of all types, alarm recording, timing recording and manual recording is supported.

Table 5.3.2.1

5.3.2.2. Right key menu of playback window

In video playback window, right click, and the right key menu of playback window will pop up, as shown in below figure:

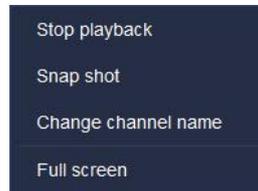


Figure 5.3.2.2

The description of related parameter is as follows:

Parameter	Description
Stop playback	Click to stop the playback of current video.
Snap shot	Click to snap shot of selected playback window.
Change channel name	Click to change channel name of selected playback window.
Full screen	Click to display the playback window at full screen. Click again to turn off full screen display.

Table 5.3.2.2

5.3.3. Video downloading

The downloading is divided into two modes: by file and by time segment.

5.3.3.1. Download by file

1) Batch downloading:

In video playback interface, click query result to check query result interface,

tick and select several video files and right click, click "  " to conduct batch downloading, as shown in below figure:

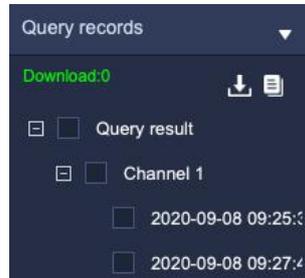


Figure 5.3.3.1

Click "  " to enter export progress list interface to check the progress of file downloading, as shown in below figure:

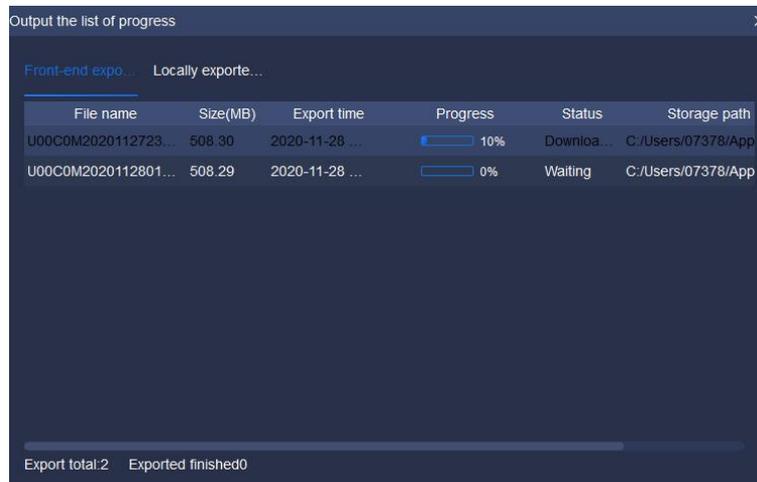


Figure 5.3.3.2

2) Stop export:

In export progress list, select the file needs to stop export, right click this file, select "  " to stop downloading the file, as shown in below figure:

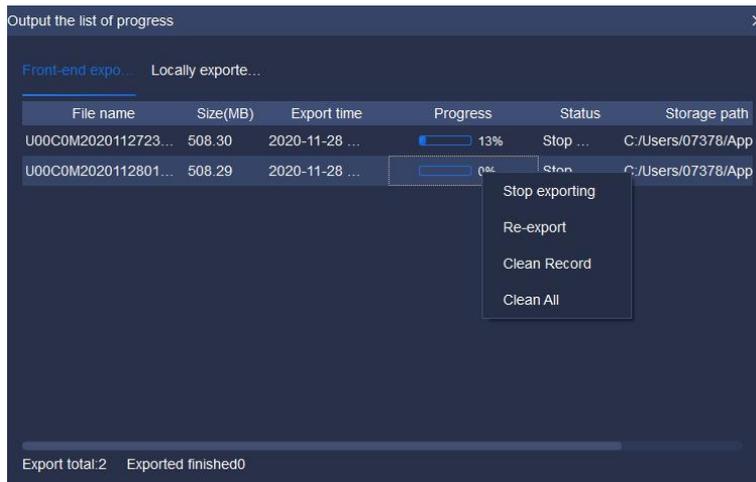


Figure 5.3.3.3

3) ReExport:

In export progress list, select the file needs to re-export, right click this file, select " **ReExport** " to export this file again to download.

4) Clean record:

In export progress list, right click a file, select " **Clean Record** " to delete all downloaded records.

5) Clean all:

In export progress list, right click a file, select " **Clean All** " to delete all downloaded records in the list.

(Note: When downloading front-end storage video files, only one record file can be downloaded at the same time.)

5.3.3.2. By time segment

The video on the front-end storage supports downloading by time segment.

Select the channel you want to download (either through the drop-down menu or by clicking the channel in the tree list), select the time segment you want to download, and then click " **Time-based download** ".

5.3.4. Recent browsing

Record the latest video and click to preview it , as shown in below figure:

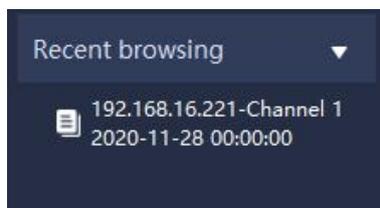


Figure 5.3.4

5.4. System Configuration

Click the system configuration icon  on home page to enter system settings interface.

5.4.1. Common settings

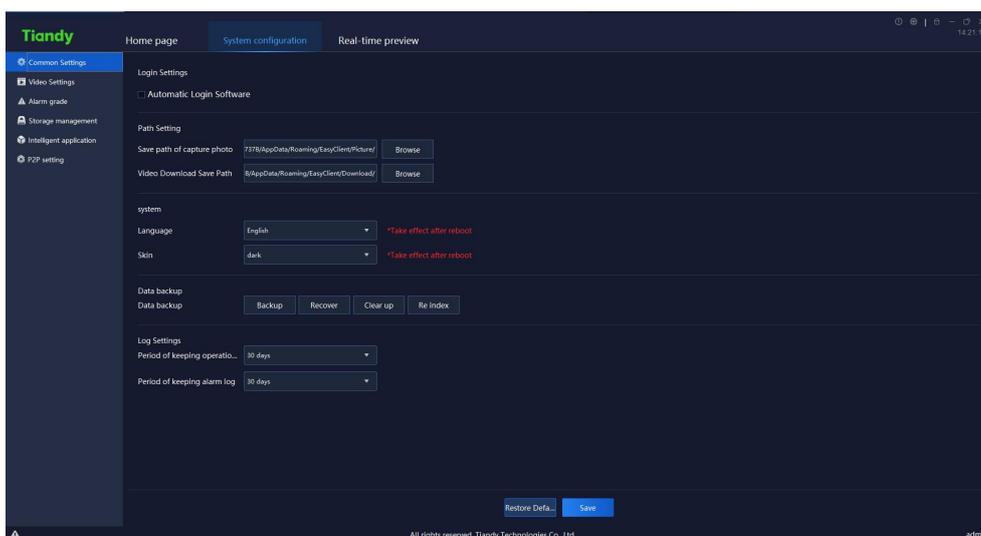


Figure 5.4.1.1

The description of related parameters in the interface is as follows:

Parameter		Description
Login Settings	Automatic Login Software	Tick and select, after fill in correct [User name] and [Password] by users, Easy7 will realize automatic software login function when the operation system

		starts.
Path Setting	Save path of capture photo	The save path of capture, preview and playback photo.
	Video Download Save Path	The save path of video download.
System	Language	Set the language of software system, effective after restart.
	Skin	Set the skin of software system, effective after restart.
Data backup	Data backup path	Back up, recover, clean up and re-index software database backup files.
Log Settings	Period of keeping operation log	Set the save time of each operation log.
	Period of keeping alarm log	Set the save time of each alarm log.
Restore Default		Restore the configuration of current page to the configuration information when initially installed.

Table 5.4.1

5.4.2. Video Settings

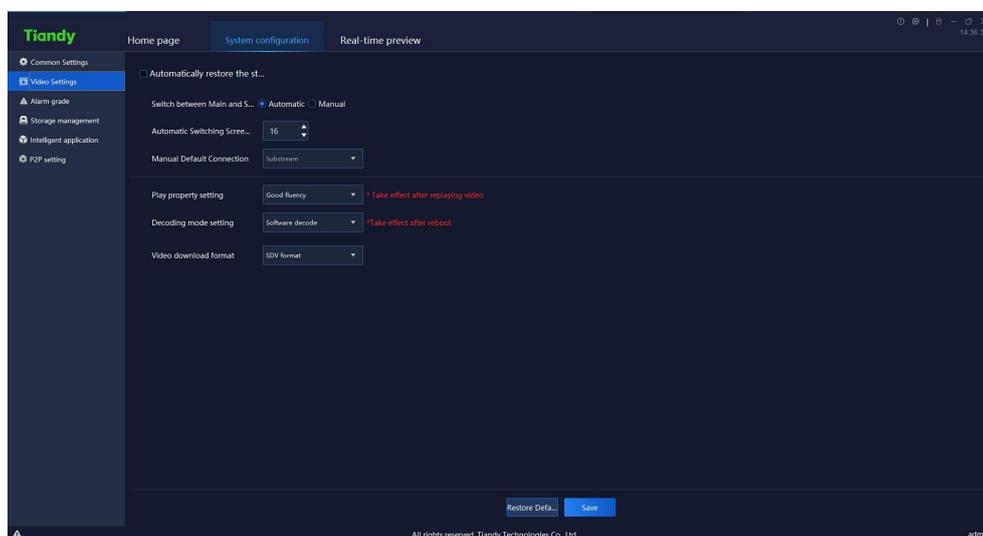


Figure 5.4.2

The description of related parameters in the interface is as follows:

Parameter	Description
Automatically restore the state last time you exit from the system	The video connected to video preview, when turns on the software again, the video before turn-off will restore connection.
Switch between Main and Sub Streams, Automatic Switching Screen Number	Set switching screen number, when the number of windows displayed in the client-side video browsing interface is greater than the number of split screens, the connected channel video will default to the subcode stream.
Manual Default Connection	Set the code stream type of default play.
Play property setting	Available to set Good fluency/Minimum delay.
Decoding mode setting	Software decode and hardware decoding are supported, effective after restart.
Video download format	The download recording may set SDV (private format) and MP4 (general format).

Table 5.4.2

5.4.3. Alarm grade

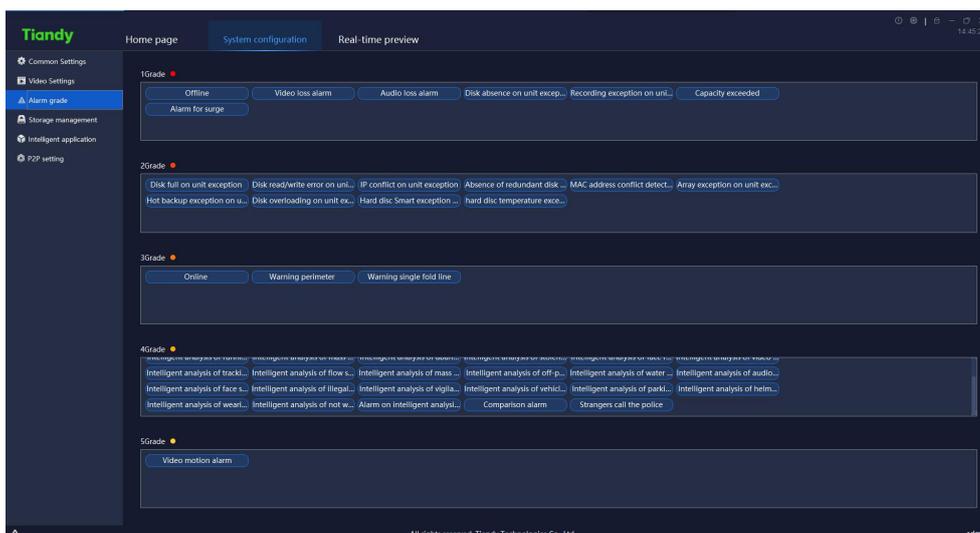


Figure 5.4.3

Drag the alarm type label to other grades to set the type to a new grade. Alarm grade is used for alarm record filter.

5.4.4. Storage management

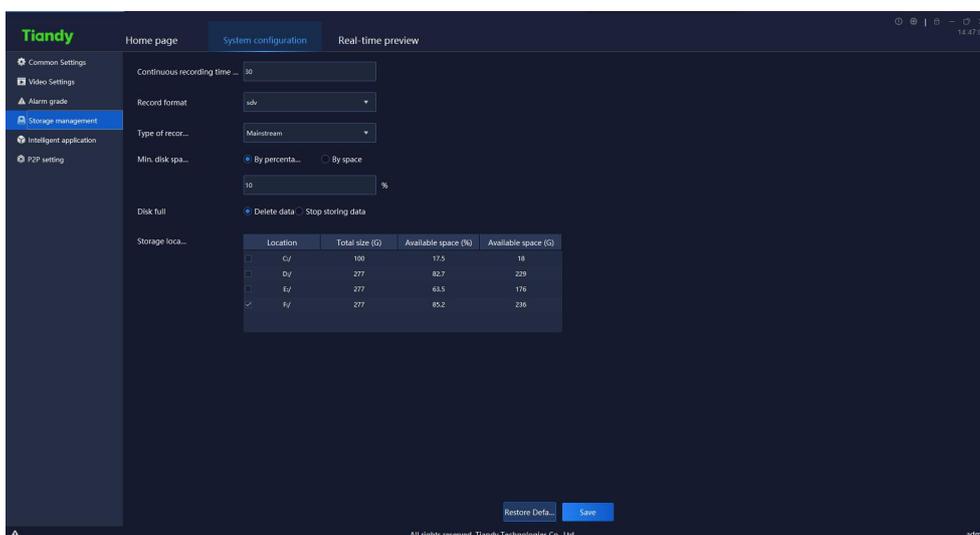


Figure 5.4.4

The description of related parameters in the interface is as follows:

Parameter	Description
Continuous recording time (min)	Set the time of continuous recording (recording packaging), the time range is 5~120 min.
Record format	SDV format and mp4 format are supported for

	recording storage.
Type of record streaming	Main code stream and minor stream supported.
Min. disk space	Supported to set by percentage (%) or by space (G), fill in corresponding parameter in the text box below.
Disk full	Supported to select and delete the earliest local recording or stop recording.
Storage location	Set the storage location of files.

Table 5.4.3

5.4.5. Intelligence application

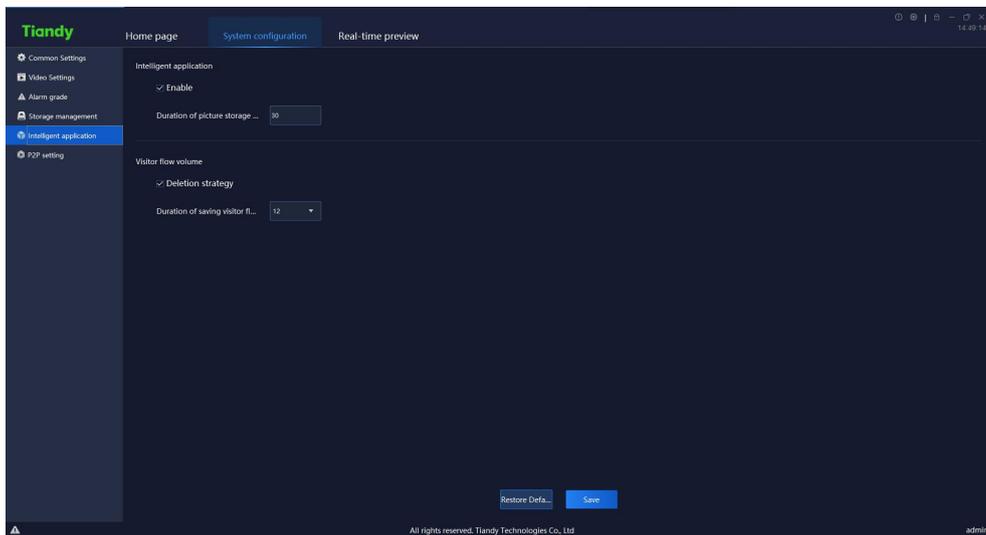


Figure 5.4.5

Tick and select Intelligence application, [Face retrieval], [Behavior analysis], [Face capture] and other functions are supported, the duration of capture picture saving can be customized as required.

After checking deletion strategy, the strategy can be executed after the upper limit of the stored guest flow duration (6-24 months be supported to choose from) is reached.

5.4.6. P2P setting

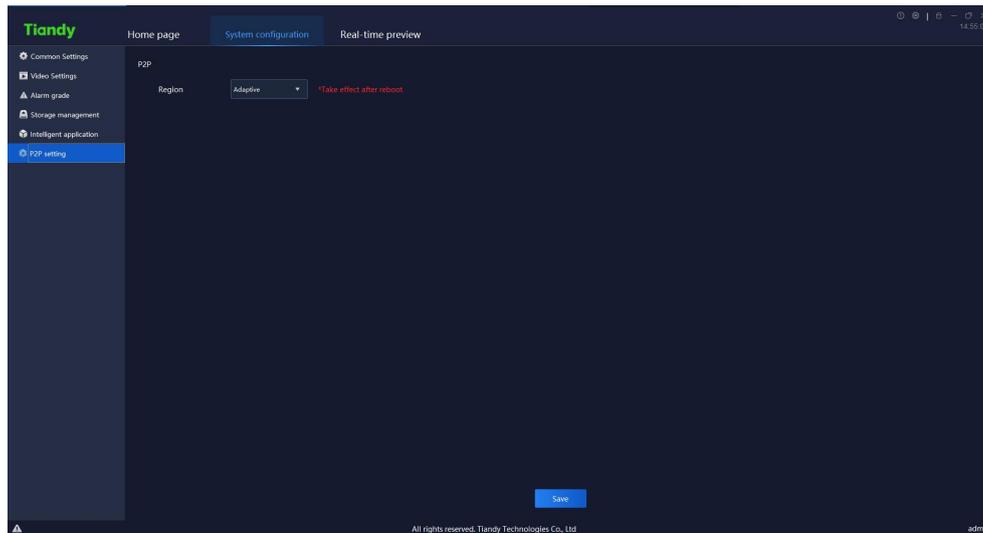


Figure 5.4.6

P2P setting support region selection which will come into effect after restarting.

5.5. Alarm management

Click the alarm management icon  on home page to enter alarm management interface.

5.5.1. Real-time alarm

Real-time alarm list displays the alarm received after this login. The list will be refreshed automatically, time of alarm, source of alarm, type of alarm, alarm grade and other alarm information will be displayed, as shown in below figure:

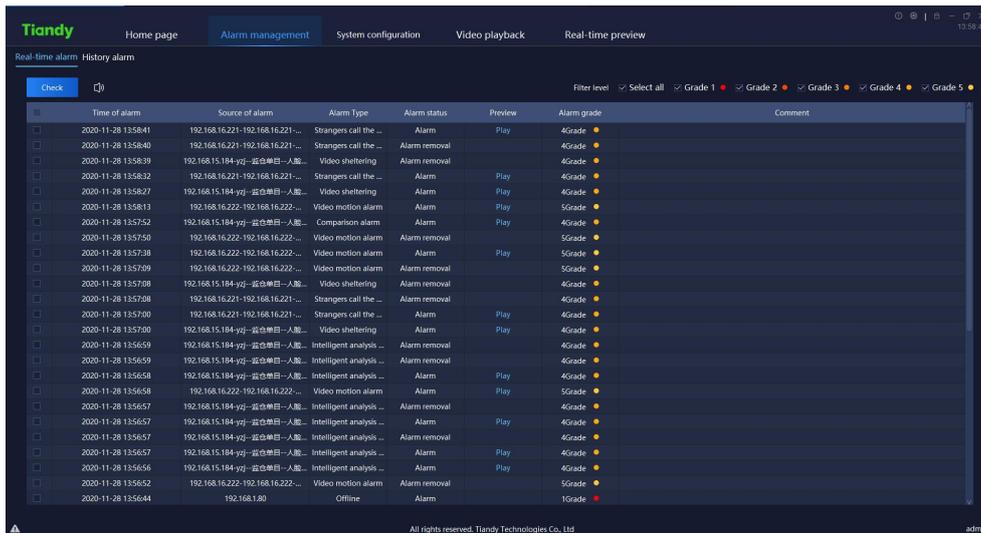


Figure 5.5.1

The description of related parameters in the interface is as follow:

Parameter	Description
Check	Tick and select alarm records need to be checked, click to fill in handling suggestion, the checked alarm records will be removed from real-time alarm, the handling suggestion and checking status will update to the history alarm record of corresponding alarm record.
Audio	Click to turn on/off alarm audio.
Play	Click to play the video 10s before and after the time of alarm, if there's no video, real-time preview will be displayed.
Filter level	Tick and select filter level, the selected level will be displayed in the list, nothing will be displayed if on level selected.

Table 5.5.1

5.5.2. History alarm

History alarm list displays all alarms, including checked and unchecked alarms, as shown in below figure:

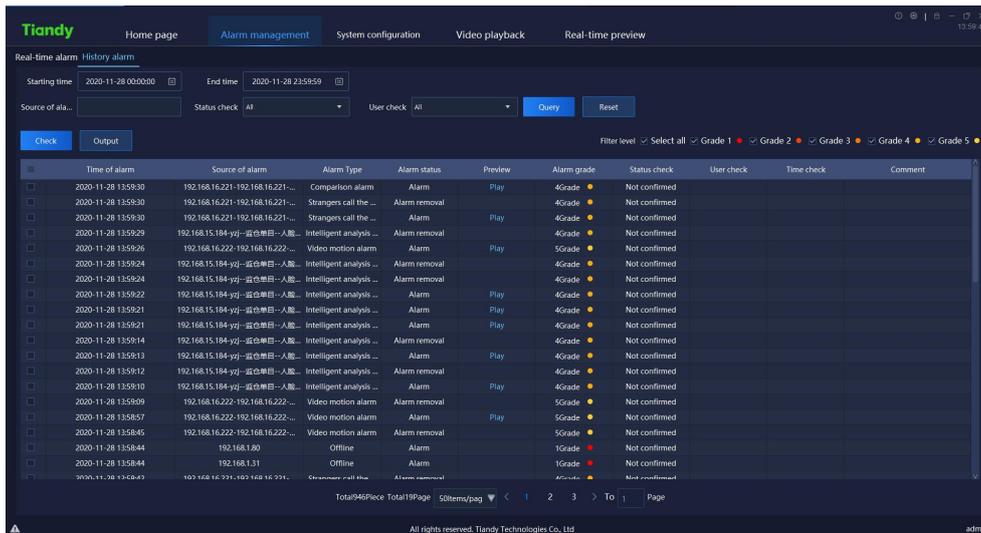


Figure 5.5.2

The description of related parameters in the interface is as follows:

Parameter	Description
Starting time	Available to set the starting time of history alarm query.
End time	Available to set the end time of history alarm query.
Source of alarm	Available to set the source of alarm of history alarm query, search by key word supported.
Status check	Available to set the checking status of history alarm query, including all, unchecked and checked.
User check	Available to set the checking user of history alarm query
Query	Click to search history alarm information conforms to search condition.
Reset	Click to restore to default query condition.
Check	Tick and select alarm records need to be checked, click to fill in handling suggestion. Update verification status, verify users, verify real-time, and process comments after verification.
Output	Click to output query results to local device.
Filter level	Tick and select filter level, the selected level will be displayed in the list, nothing will be displayed if on level

	selected.
Play	Click to play the video 10s before and after the time of alarm, if there's no video, real-time preview will be displayed.

Table 5.5.2

5.6. User management

Click the user management icon  on home page to enter user management interface. The interface will display the basic information of all added users at that moment, as shown in below figure:

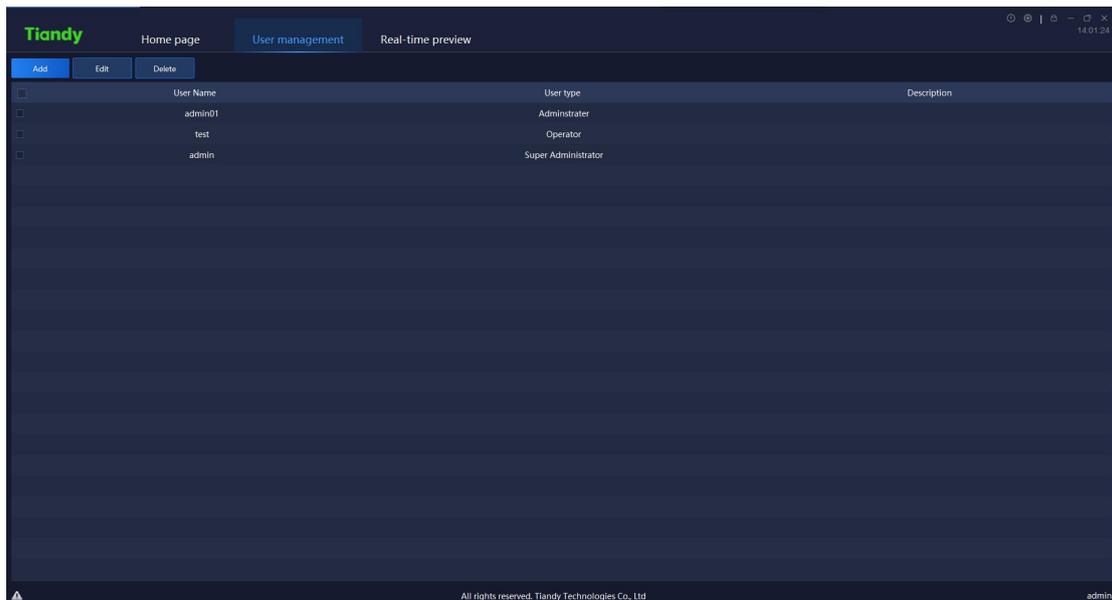


Figure 5.6

【Note】 Only admin-super administrator account has the authority to enable this function.

5.6.1. Add user

Click "" to enter Add user interface, as shown in below figure:

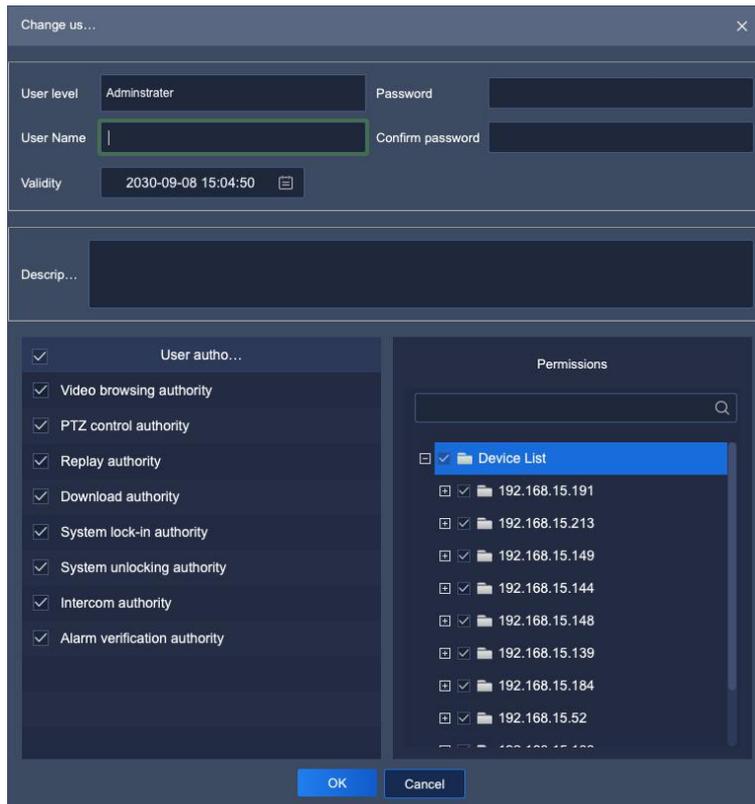


Figure 5.6.1

The description of related parameters in the interface is as follows:

Parameter	Description
User level	Set administrator or operator for current system.
User name	Users to fill in any name. 【Note】 There's illegal character limit when adding user name, following characters are not allowed to be input ~!#\$%^()=[]{},":';<>?*`+/\&.
Password	To set password for newly added user.
Confirm password	Needs to be the same as input "Password".
Validity	Set the expire date of the authority for users.
Description	Supplement and describe user information.
User authority	Set the user authority of administrator or operator, such as the authority of video browsing, PTZ control, video playback, video download, system lock, system delock,

	intercom, alarm check, etc.
Permissions	Set devices permit user authority to apply.

Table 5.6.1

5.6.2. Edit user

Select the user needs to be edited, click " " to enter Change users interface, as shown in below figure:

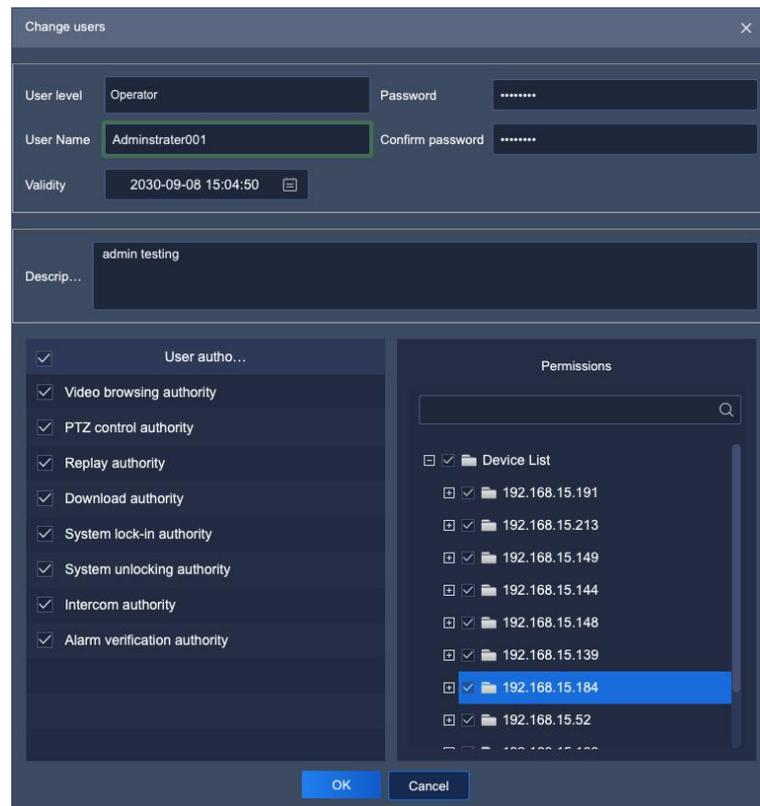


Figure 5.6.2

In the editing interface, the related information of the user can be changed, including user level, user name, validity, password, description, user authority and permissions. Admin-super administrator can only change password.

5.6.3. Delete user

Select the user needs to be deleted, click " " and a notice box will pop up, as shown in below figure:

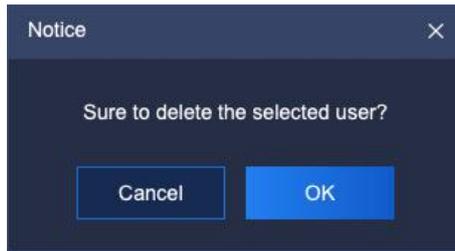


Figure 5.6.3

Click "OK" to delete the selected user; click "Cancel" to cancel deletion.

[Note] Several users can be deleted at the same time.

5.7. Intelligent search



Click the intelligence retrieval icon on home page to enter the intelligence retrieval interface.

5.7.1. Face retrieval

Snapshot Time	Channel name	Gender	Age group	Wearing glasses	Wearing mask	temperature meas	Operation
2020-11-27 15:23:42	192.168.16.2... Channel 1	Male	Youth	Wearing glasses	No mask	0	Details Playback
2020-11-27 15:23:39	192.168.16.2... Channel 1	Male	Youth	Not wearing glasses	No mask	0	Details Playback
2020-11-27 15:22:48	192.168.16.2... Channel 1	Male	Youth	Wearing glasses	No mask	0	Details Playback
2020-11-27 15:22:13	192.168.16.2... Channel 1	Male	Youth	Not wearing glasses	No mask	0	Details Playback
2020-11-27 15:21:53	192.168.16.2... Channel 1	Male	Youth	Wearing glasses	No mask	0	Details Playback
2020-11-27 15:21:51	192.168.16.2... Channel 1	Male	Youth	Wearing glasses	No mask	0	Details Playback
2020-11-27 15:21:27	192.168.16.2... Channel 1	Male	Youth	Wearing glasses	No mask	0	Details Playback
2020-11-27 15:21:01	192.168.16.2... Channel 1	Male	Youth	Wearing glasses	No mask	0	Details Playback
2020-11-27 15:21:01	192.168.16.2... Channel 1	Male	Youth	Wearing glasses	No mask	0	Details Playback
2020-11-27 15:20:58	192.168.16.2... Channel 1	Male	Middle age	Not wearing glasses	No mask	0	Details Playback
2020-11-27 15:20:57	192.168.16.2... Channel 1	Male	Youth	Not wearing glasses	Wearing mask	0	Details Playback
2020-11-27 15:20:54	192.168.16.2... Channel 1	Male	Youth	Not wearing glasses	Wearing mask	0	Details Playback
2020-11-27 15:20:50	192.168.16.2... Channel 1	Female	Youth	Not wearing glasses	No mask	0	Details Playback
2020-11-27 15:20:33	192.168.16.2... Channel 1	Female	Youth	Not wearing glasses	No mask	0	Details Playback

Figure 5.7.1

Retrieve by starting and end time, by gender, by age group, by whether wearing mask, by whether wearing glasses and by body temperature measurement are supported.

Users may select any channel among watch points on the left, set query condition and click "Retrieve" to retrieve the detailed information recorded by this watch point in the time period, both list and figure display form are supported.

Click "List" and the retrieval result will be displayed in list, including capture time, channel name, gender, age group, whether wear mask, whether wear glasses and body temperature measurement; click "Details" to check the detailed information of captured picture, as shown in below figure, click "Playback" to check playback video.

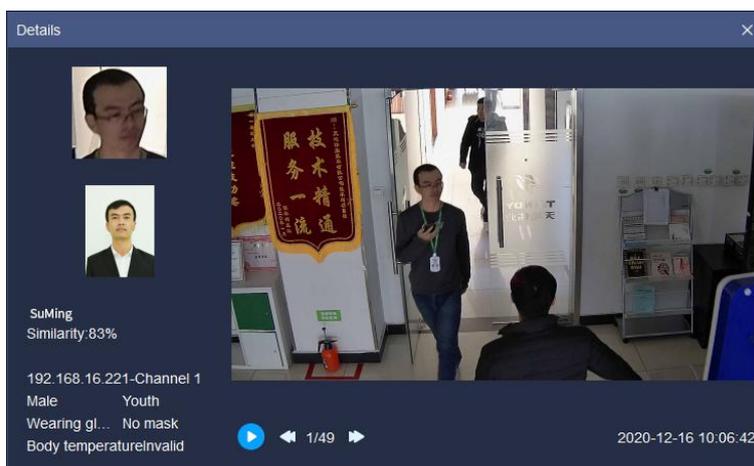


Figure 5.7.2

Click "Figure" and the retrieval result will be displayed in figure, the detailed information of captured picture and playback information will be checked, as shown in below figure:

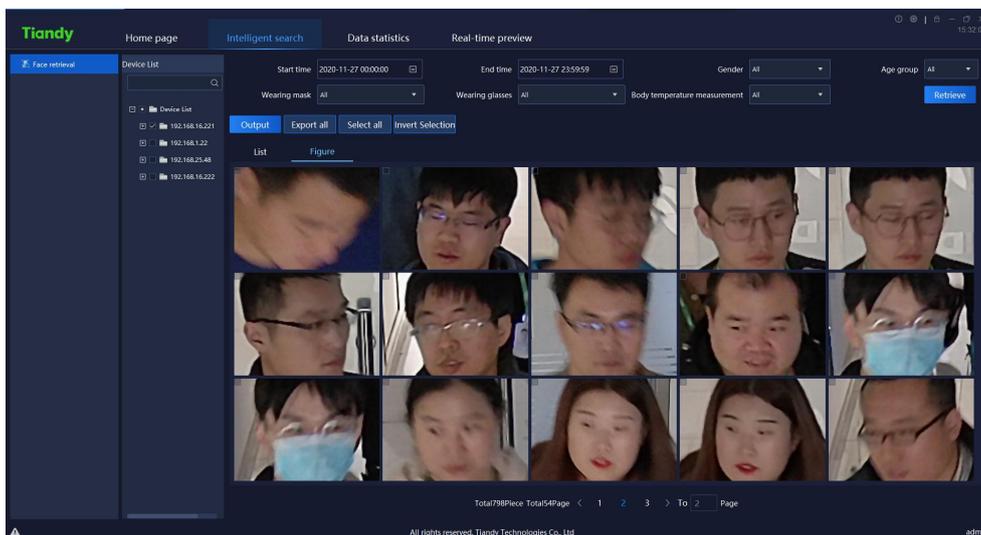


Figure 5.7.3

Select any data in the retrieval result and click "  " to download this data result to local device, the exported result is shown as in below figure:

Snapshot	Channel	rGender	Age group	Wearing g	Wearing m	Body temp	Big picture	Small picture path
2020-11-21	192.168.1	Male	Youth	Wearing g	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Female	Youth	Wearing g	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Junior	Wearing g	Wearing m		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Wearing g	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Not weari	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Wearing g	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Not weari	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Wearing g	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Wearing g	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Wearing g	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Wearing g	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Wearing g	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Middle ag	Not weari	No mask		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Not weari	Wearing m		0 E:/Test/eE:/Test/easy7/FacePic/20	
2020-11-21	192.168.1	Male	Youth	Not weari	Wearing m		0 E:/Test/eE:/Test/easy7/FacePic/20	

Figure 5.7.4

Click "  " to export all retrieved results.

5.8. Data statistics



Click the data statistics icon  on home page to enter the data statistics interface.

5.8.1. Face statistics

Face statistics supports to carry out statistics by age group, by gender, by the number of people, by whether wear glasses, by whether wear mask and by body temperature measurement.

5.8.1.1. Statistics by age group

According to age group, the face statistics can be divided into junior, youth, middle age and old age to display. The platform supports list and graphic display, as shown in below figure.

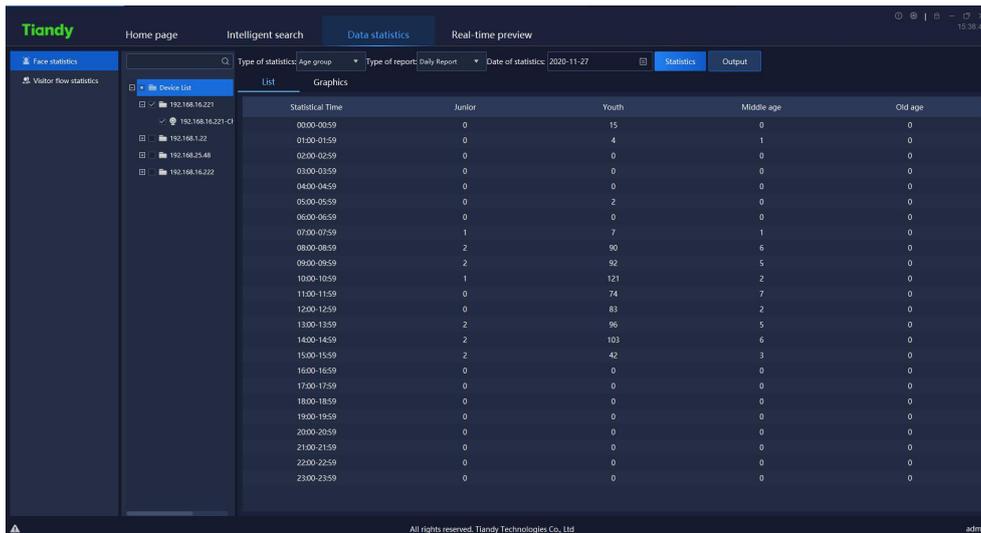


Figure 5.8.1.1

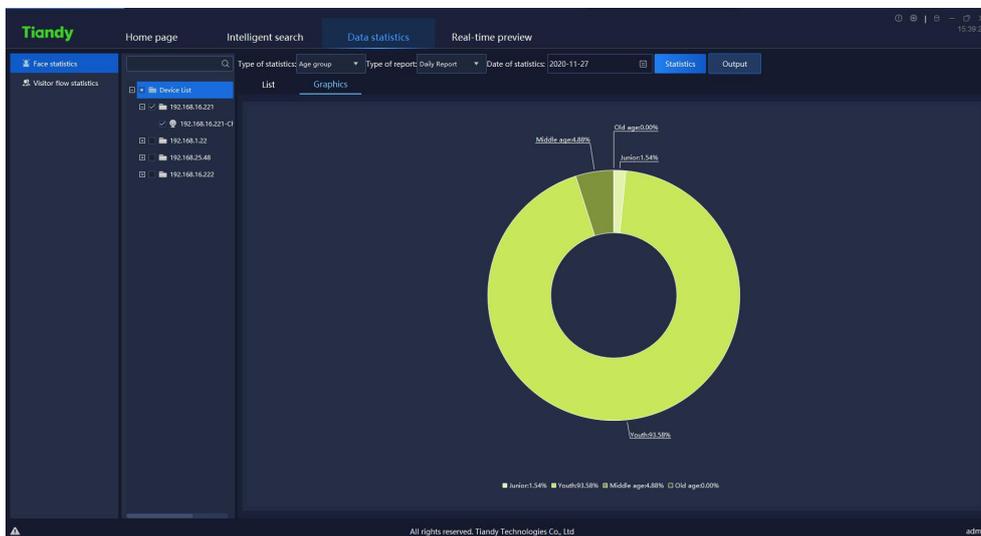


Figure 5.8.1.2

5.8.1.2. Statistics by gender

According to gender, the face statistics can be divided into male, female and unknown to display. The platform supports list and graphic display, as shown in below figure.

【Note】 :When the device detects people shape but does not detect face, it will display "unknown".

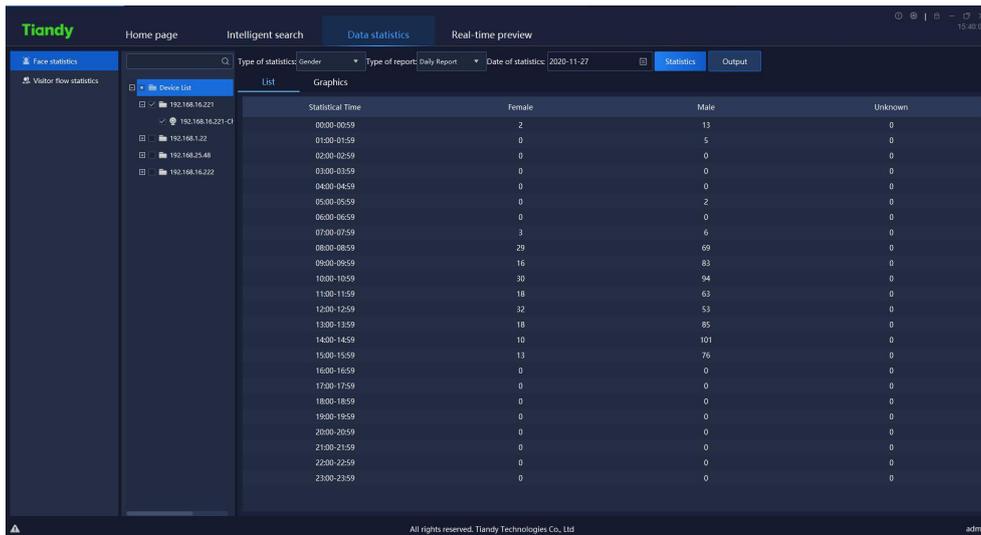


Figure 5.8.1.3

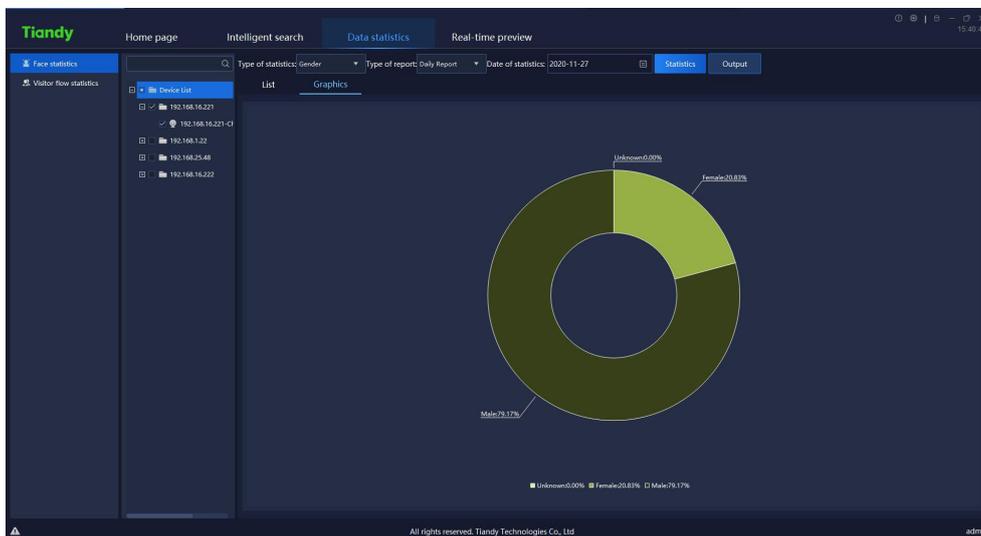


Figure 5.8.1.4

5.8.1.3. Statistics by the number of people

The statistics of the number of people every hour in face statistics. The platform supports list and graphic display, as shown in below figure.

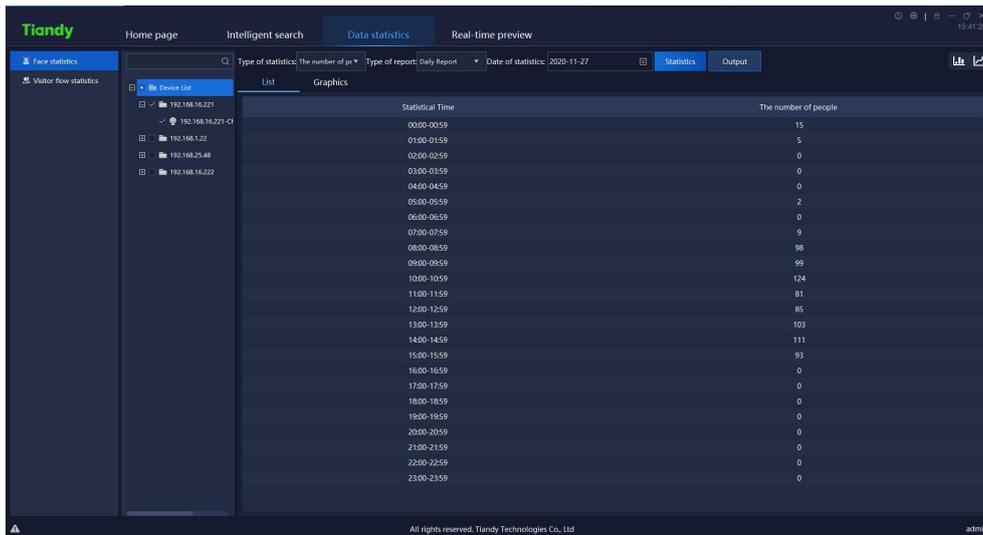


Figure 5.8.1.5

In graphic interface, click "" to switch to line chart display, click "" to switch to bar graph display.



Figure 5.8.1.6



Figure 5.8.1.7

5.8.1.4. Statistics by whether wearing glasses

The statistics of whether wearing glasses in face statistics, can be divided into not wearing glasses and wearing glasses to display. The platform supports list and graphic display, as shown in below figure.

The screenshot shows the 'Data statistics' page with 'Type of statistics' set to 'Wearing glasses'. The 'Device List' on the left includes 192.168.16.221, 192.168.1.22, 192.168.25.48, and 192.168.16.222. The main area displays a table with the following data:

Statistical Time	Not wearing glasses	Wearing glasses
00:00-00:59	2	10
01:00-01:59	4	0
02:00-02:59	0	0
03:00-03:59	0	0
04:00-04:59	0	0
05:00-05:59	0	1
06:00-06:59	0	0
07:00-07:59	1	6
08:00-08:59	29	59
09:00-09:59	30	61
10:00-10:59	29	83
11:00-11:59	25	45
12:00-12:59	35	43
13:00-13:59	39	61
14:00-14:59	28	81
15:00-15:59	35	57
16:00-16:59	0	0
17:00-17:59	0	0
18:00-18:59	0	0
19:00-19:59	0	0
20:00-20:59	0	0
21:00-21:59	0	0
22:00-22:59	0	0
23:00-23:59	0	0

Figure 5.8.1.8

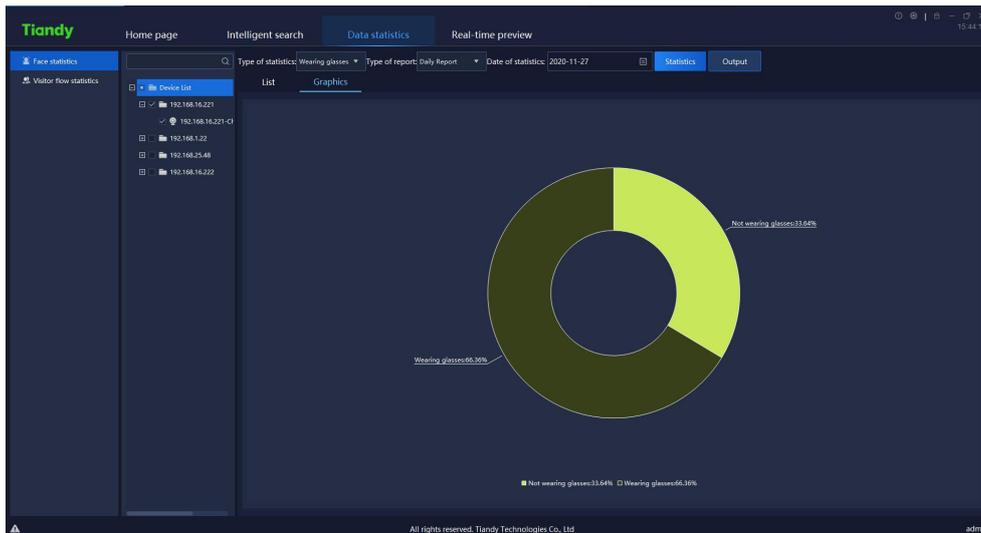


Figure 5.8.1.9

5.8.1.5. Statistics by whether wearing mask

The statistics of whether wearing mask in face statistics, can be divided into no mask and wearing mask to display. The platform supports list and graphic display, as shown in below figure.

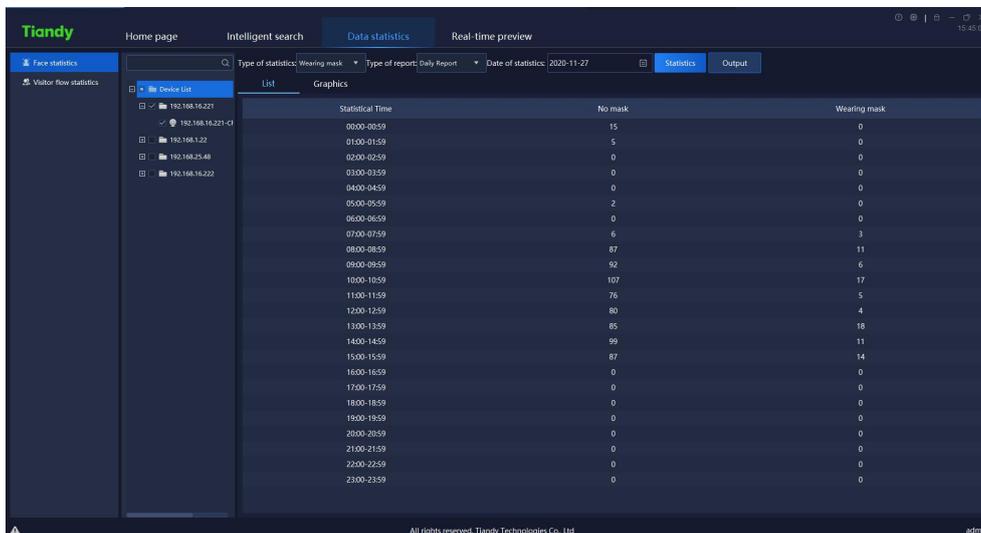


Figure 5.8.1.10

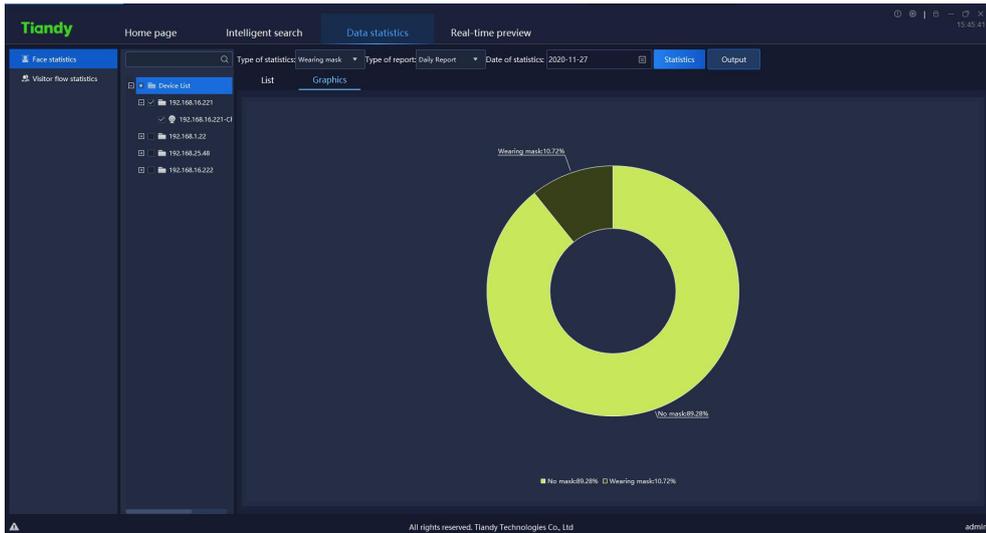


Figure 5.8.1.11

5.8.1.6. Statistics by body temperature measurement

The face statistics will conduct statistics of the number of people with abnormal body temperature every hour by time. The platform supports list and graphic display, as shown in below figure.

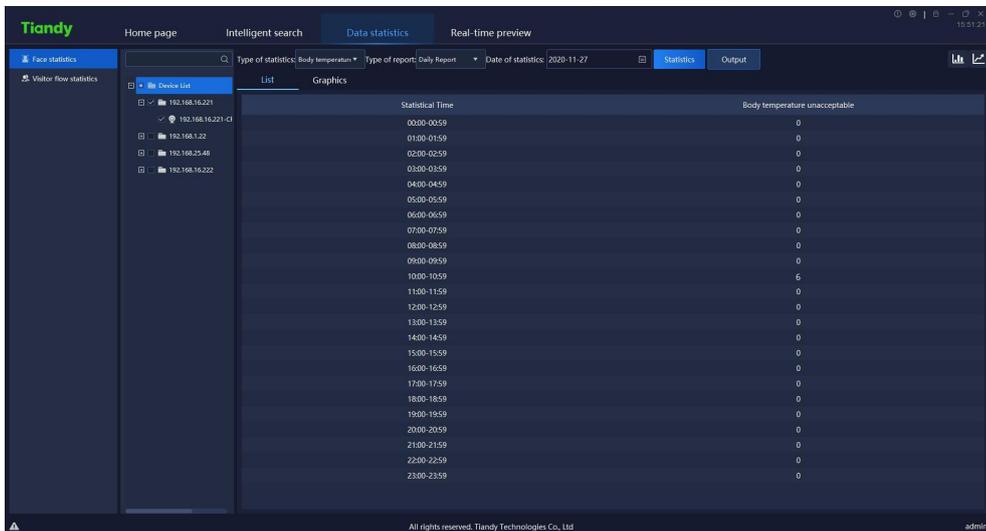


Figure 5.8.1.11



Figure 5.8.1.12

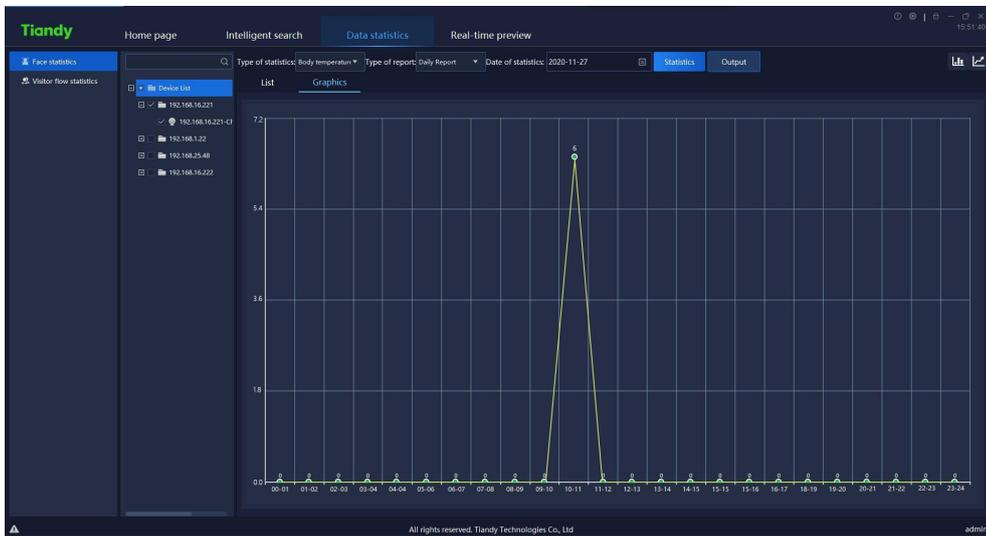


Figure 5.8.1.13

5.8.2. Visitor flow statistics

Guest flow statistics supports two methods namely real-time statistics and report statistics. Real-time statistics can monitor the real-time guest flow according to the established area, and give an alarm when the number of person hikes too much; the report statistics can count the number of people entering, leaving and passing by in the established area, and display them with a list or a graph, as is shown in below figure:



Figure5.8.2.1

5.8.2.1. Real-timeStatistics Device List

Enter the device list bar, type in the key information in the search box, and double-click to locate the guest flow equipment, as is shown in below figure:

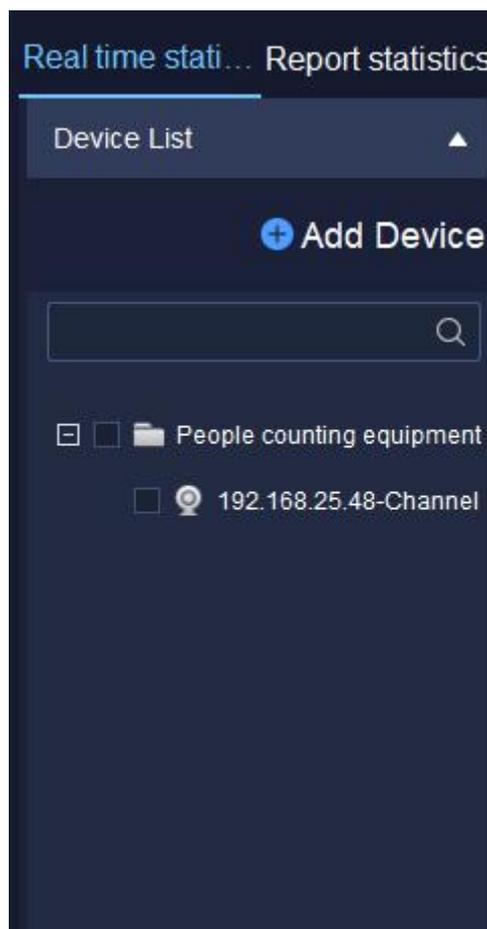


Figure5.8.2.2

Select the device in the guest flow device list and right-click to pop up the right-click menu of guest flow device list, as is shown in below figure:

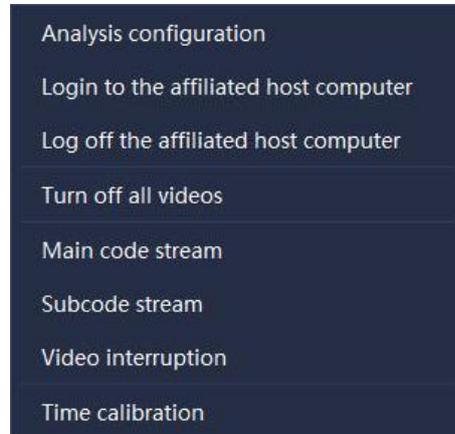


Figure5.8.2.3

Select “ Analyse Config.” to enter configuration tool page to view the configuration of each present channel, as is shown in below figure:

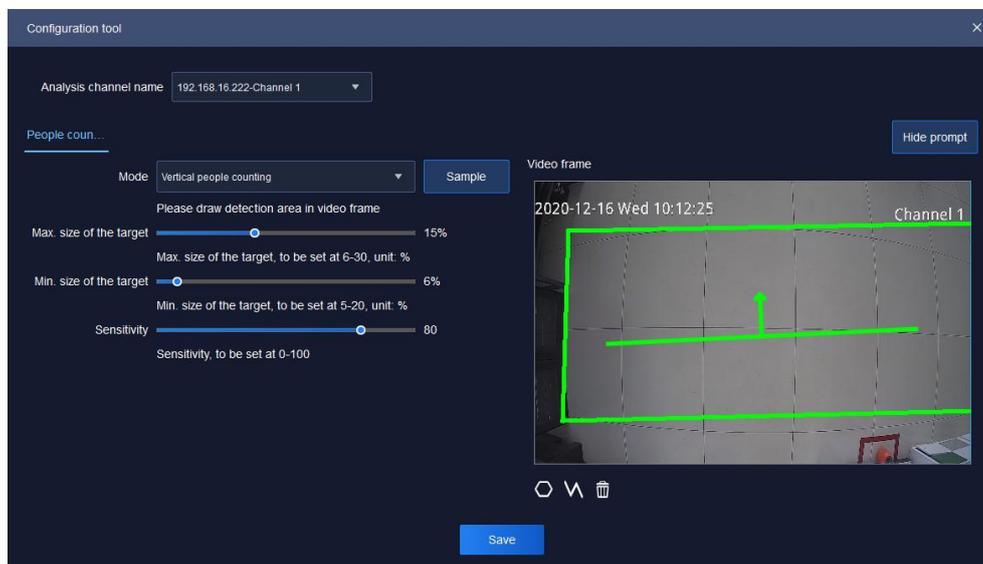


Figure 5.8.2.4

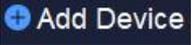
Relative parameters explanation of the interface is as below:

Parameters	Explanation
Analysis channel name	Switch channels and analyse the configuration of each channel.

Mode	Read the algorithm supported by the front-end device and draw it in the right video frame or directly in the video frame.
Sample	Display the effect sketch shown in the video box.
Max. Size of the target	Display the maximum size of the target, and the range can be set from 6% to 30%
Min. Size of the target	Display the minimum size of the target, and the range can be set from 5% to 20%
Sensitivity	Set the detection sensitivity. The higher the sensitivity, the more sensitive it is. The range can be set from 0 to 100.
Video frame	Display the video and its algorithm under the channel.
Hide prompt	Hide the prompts in the configuration information on the left.
	Redraw the statistical area in the video graph.
	Redraw the statistical lines in the video graph.
	Eliminate the lines.

Table 5.8.2.1

Other right-click menu button 5.2.1 device list.

Click " Add Device" in device list to enter guest flow camera configuration page, as is shown in below figure:

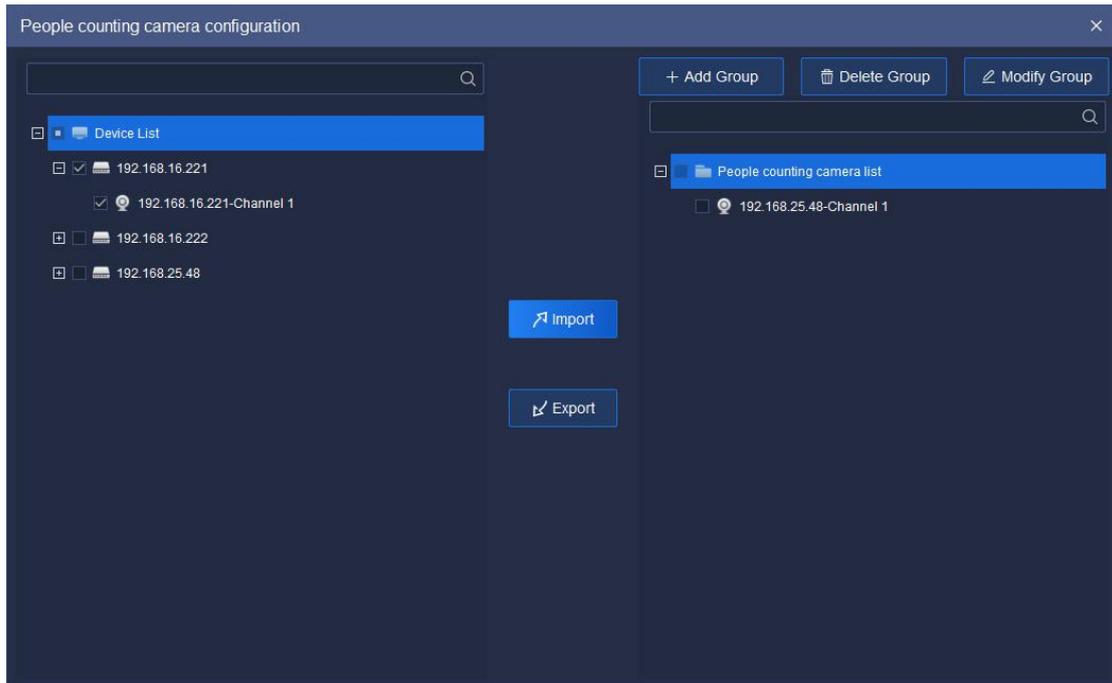


Figure 5.8.2.5

Relative parameters explanation of the interface is as below:

Parameters	Explanation
	In the left device list, select the device or device channel. In the right guest flow camera list, select a group, and click to add the device or device channel to the guest flow camera group.
	In the right guest flow camera list, select a group or device channel, and click to delete the group and its device channel or device channel from the guest flow camera list.
	In the right guest flow camera list, select the node and click to add the guest flow group.
	In the right guest flow camera list, select a group and click to delete the guest flow group.
	In the right guest flow camera list, select the node and click to modify the guest flow group name.

Table 5.8.2.2

5.8.2.2. Real-time Statistics Area List

Enter the area list to shift area scene, as is shown in below figure:

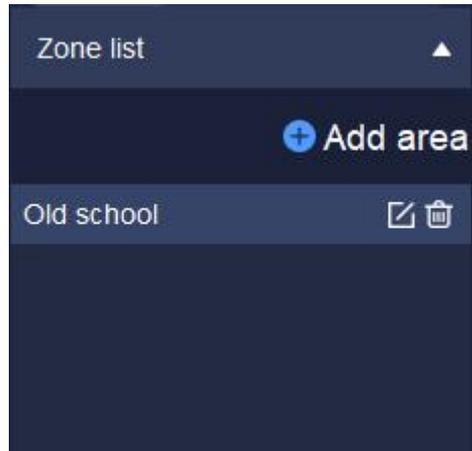


Figure5.8.2.6

In the area list, click “ Add area” to enter the area configuration page to set information of area detection time, capacity, number of people surge, whether or not to enable alarm, detection device channel, etc, as is shown in below figure:

Figure 5.8.2.7

Relative parameters explanation of the interface is as below:

Parameters	Explanation
Area name	Set the name of the detection area to facilitate the rapid positioning of the area.
Start time/End time	Set the time of starting and finishing of statistics.
People capacity	Set the upper limit of the capacity. This is required.
Rapidly increased number of people	Set the upper limit of the increase of the number of people in the unit time (10 minutes, 30 minutes, 1 hour, 2 hours). This is a required field.

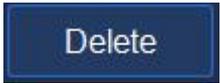
Alarm interval	Set alarm interval, supporting 10, 20, 30, 40, 50, 60 minutes.
Number of people staying	Set the current number of existing people.
	Set the detected channel video to be detected. Multiple channel videos adding is possible.
	Select the channel video to be deleted. Multiple channel videos deletion is possible.

Table 5.8.2.3

5.8.2.3. Real-time Data of Real-time Statistics

Select the area to be viewed in the area list, and the configuration information of the area can be viewed at the bottom of the interface, as is shown in below figure:



Figure 5.8.2.8

Relative parameters explanation of the interface is as below:

Parameters	Explanation
Recount	Click to eliminate the recorded number of people.
Peak	Record the maximum number of people in current area.
Current number of people	Record the number of people at current time. If the number exceeds the one that can be accommodated, it will turn into a red box; otherwise, it will be a green box.
Enter/Leave/Passing	Record the number of people in three status namely entering / leaving / passing by. At the same time, the color of each case is distinguished. Red colour represents entering, green leaving, and blue passing by.

Real-time Line Chart	The number of people is displayed in real time according to minutes. Red represents entering, green represents leaving, and blue represents passing.
	Capture, capture picture save path can be changed from [system settings] > [common settings] > [path settings].
	Start all videos. The video download and save path can be changed from system Settings > Common Settings > Path Settings.
	Set the number of pictures, supporting picture display amount 1, 4, 9, 36, 49, 64.
	Full screen, full screen display of video page and real-time data page. Click again to cancel the full screen.

Table 5.8.2.4

5.8.2.4. Video Page of Real-time Statistics

View the video effect of real-time preview in video page, as is shown in below figure:



Figure 5.8.2.9

Refer to 5.2.2 Video Preview Window for page-related parameters. :

5.8.2.5. Report statistics

On the report statistics page, count the number of people in a selected area. It supports the statistics of the number of people entering, leaving and passing by

according to the detailed time, as is shown in below figure:

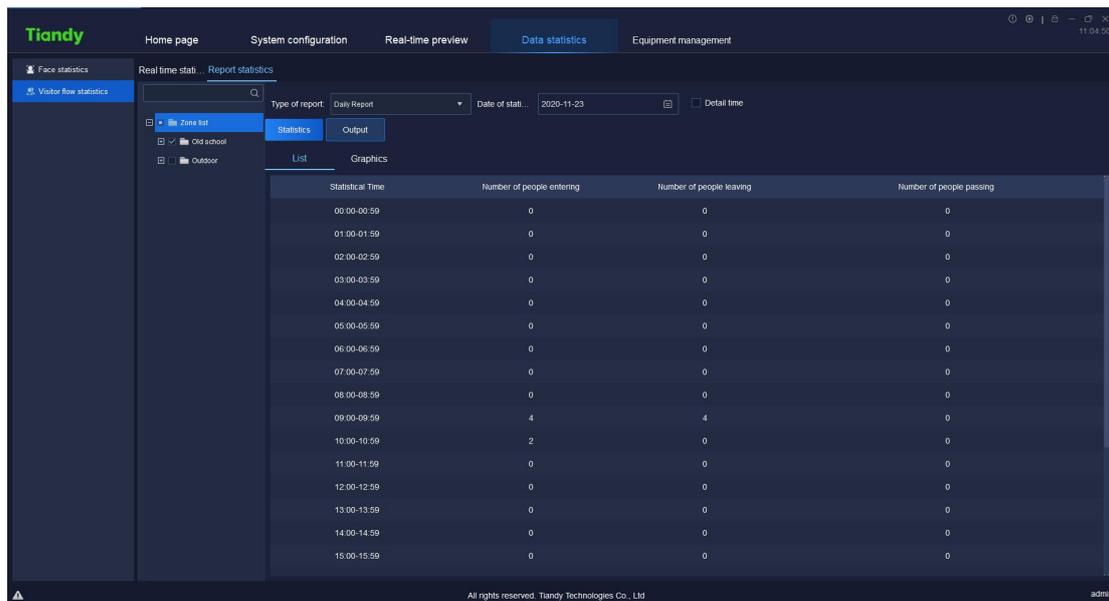


Figure 5.8.2.10

Select the report type and statistical time. If statistics need to be made according to the detailed time, enable the "detailed time" check box, and the statistics of the number of people in the detailed period will be displayed during the statistics. Click "export" to export the statistical data to the machine, as is shown in below figure.

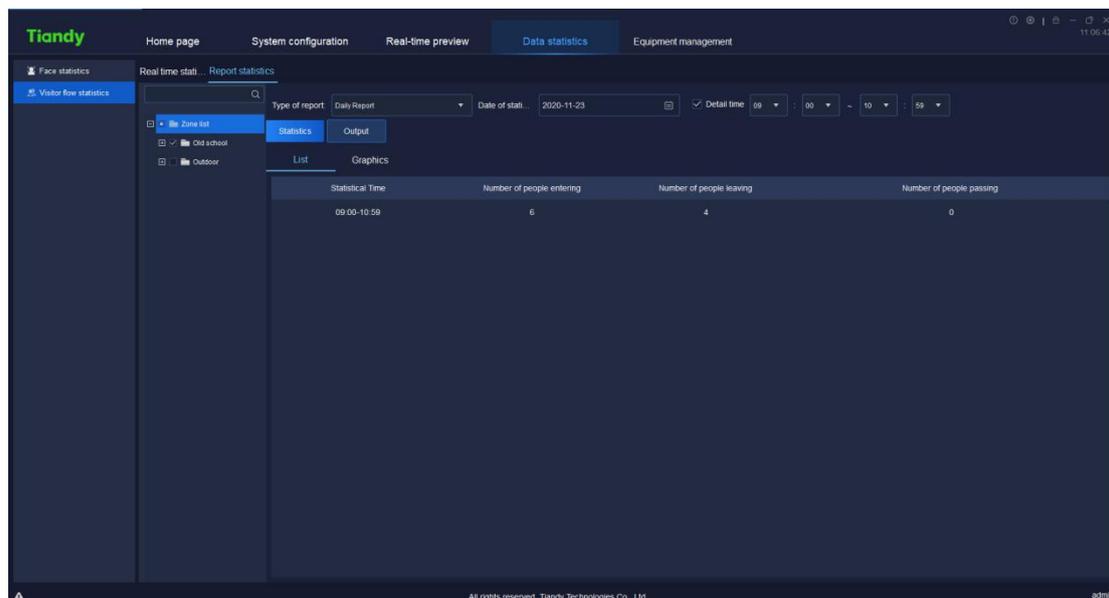


Figure 5.8.2.11

The data can be displayed in the two forms namely list or graph. The graphic

form supports line chart and bar chart, as shown in below figure:

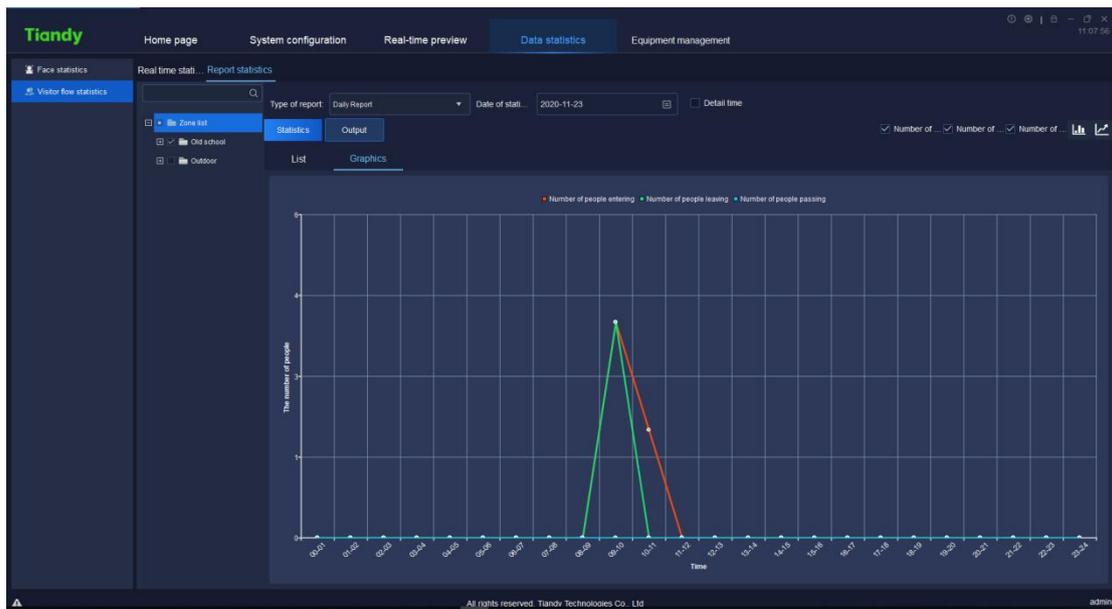


Figure 5.8.2.12

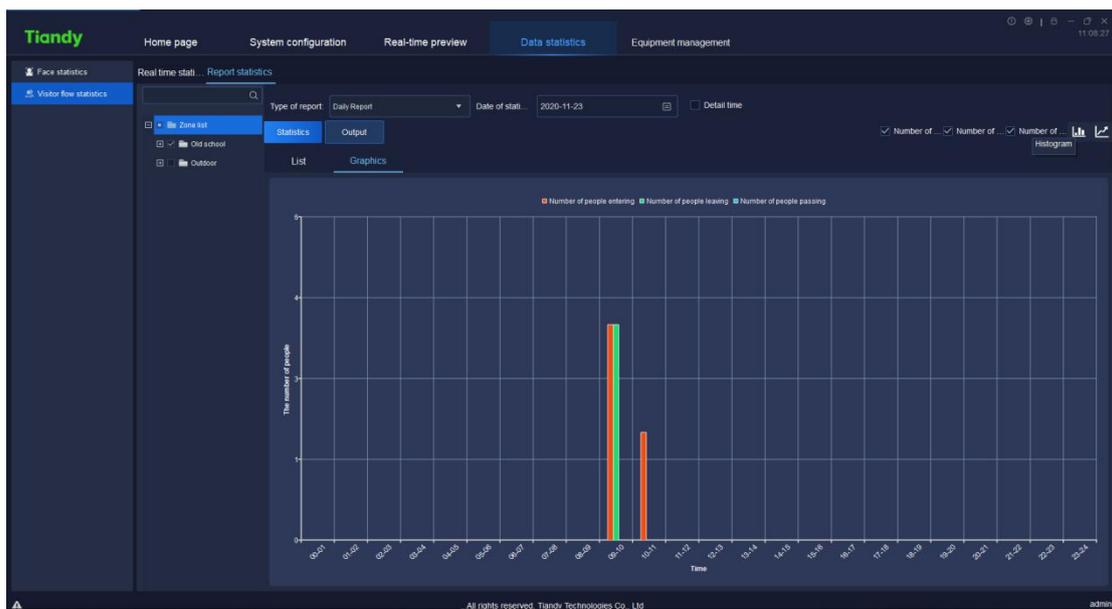


Figure 5.8.2.13

5.9. Alarm configuration

Click the alarm configuration icon  on home page to enter the alarm configuration interface. To conduct alarm configuration on watch point and device respectively is supported.

5.9.1. Alarm configuration of watch point

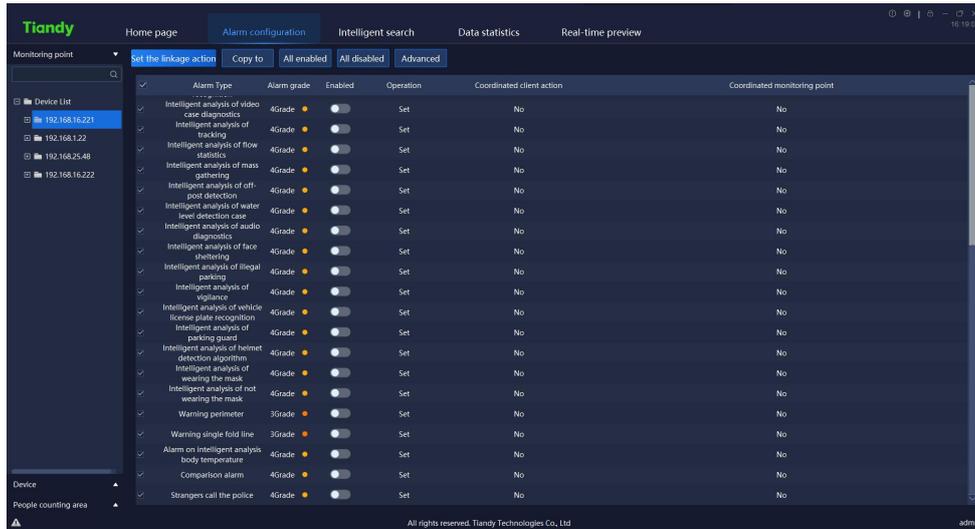


Figure 5.9.1.1

Select the channel needs alarm configuration in the watch point on the left, tick and select required alarm type, set whether to enable "", click "set" or "**Set coordinated action**" to set the operation of coordinated alarm or coordinated recording in corresponding alarm type, as shown in below figure:

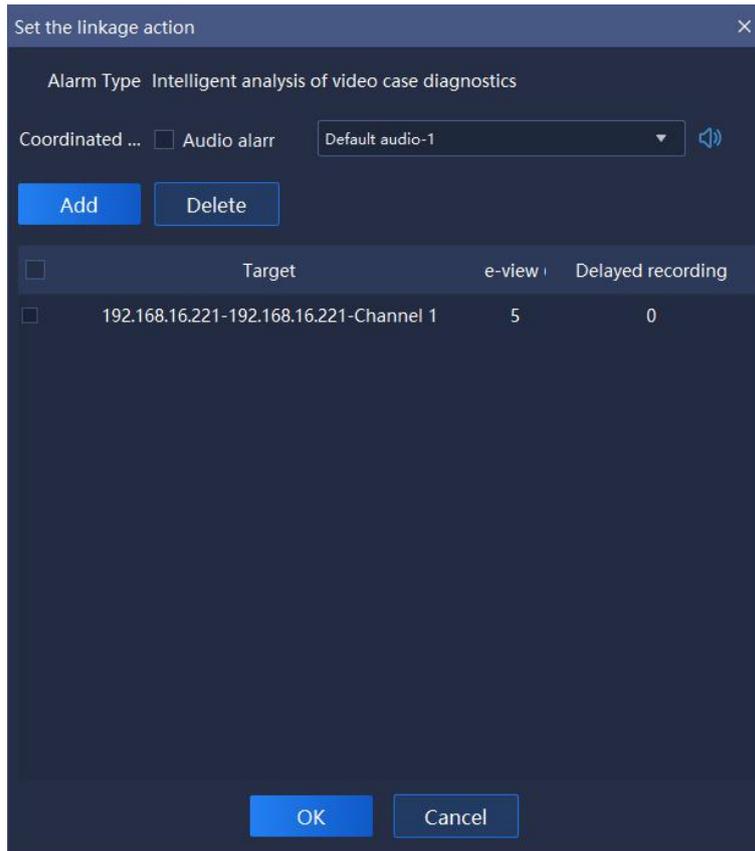


Figure 5.9.1.2

5.9.1.1. Set coordinated alarm

Tick and select the check box ahead of "Audible alarm", select alarm audio effect in the drop-down list, customized alarm audio supported (supported audio format is .wav), alarm audio audition supported.

5.9.1.2. Set coordinated recording

Click Add and set "Coordinated monitoring point", as shown in below figure:

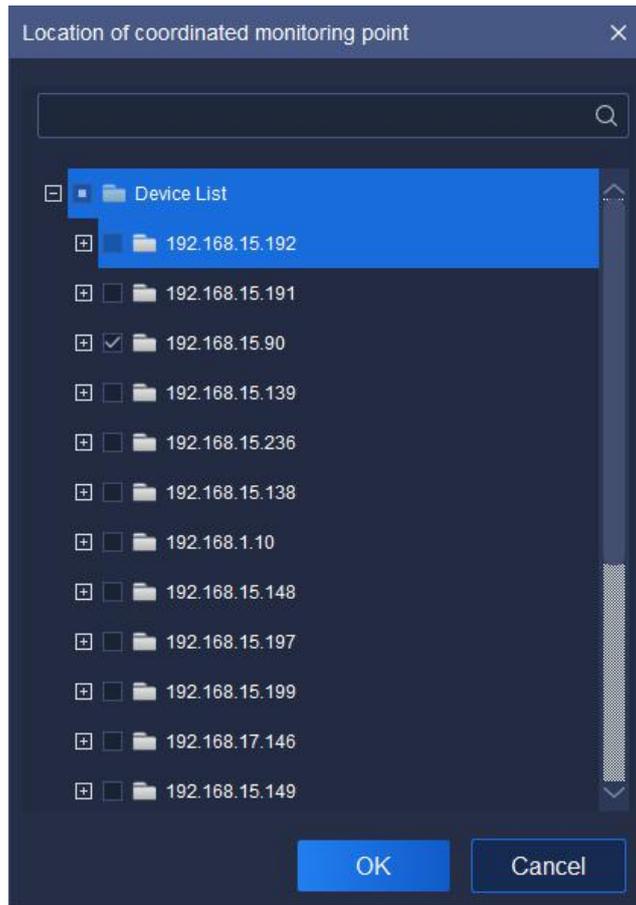


Figure 5.9.1.3

Select the channel needs to set recording, click " **OK** " to add the target channel of coordinated recording, click " **Cancel** " to restore to last parameter setting. Click the number below or " **Advanced** " to continue to set "Pre-recording" and "Delayed recording" time, as shown in below figure:

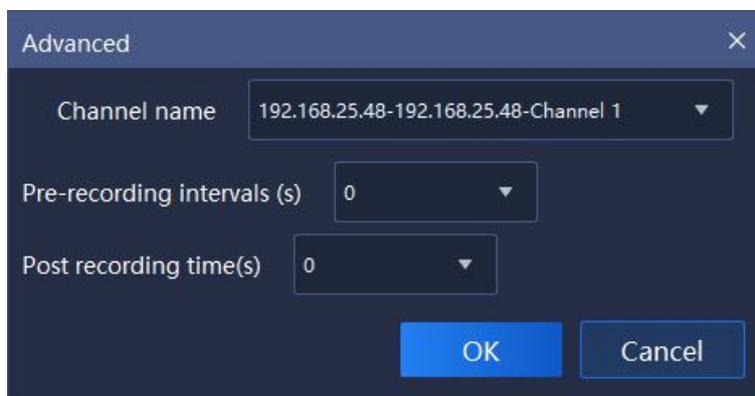


Figure 5.9.1.4

Pre-recording and delayed recording interval supports the time setting of 0s,

5s, 10s, 15s, 25s and 30s, click " **OK** " to save time setting, click " **Cancel** " to restore to last parameter setting.

5.9.1.3. Copy to other channel

Click and select the type of alarm, click " **Copy to** " to copy the parameter of Enabled status, Coordinated client action and Coordinated monitoring point of the selected copy to other channel, as shown in below figure:

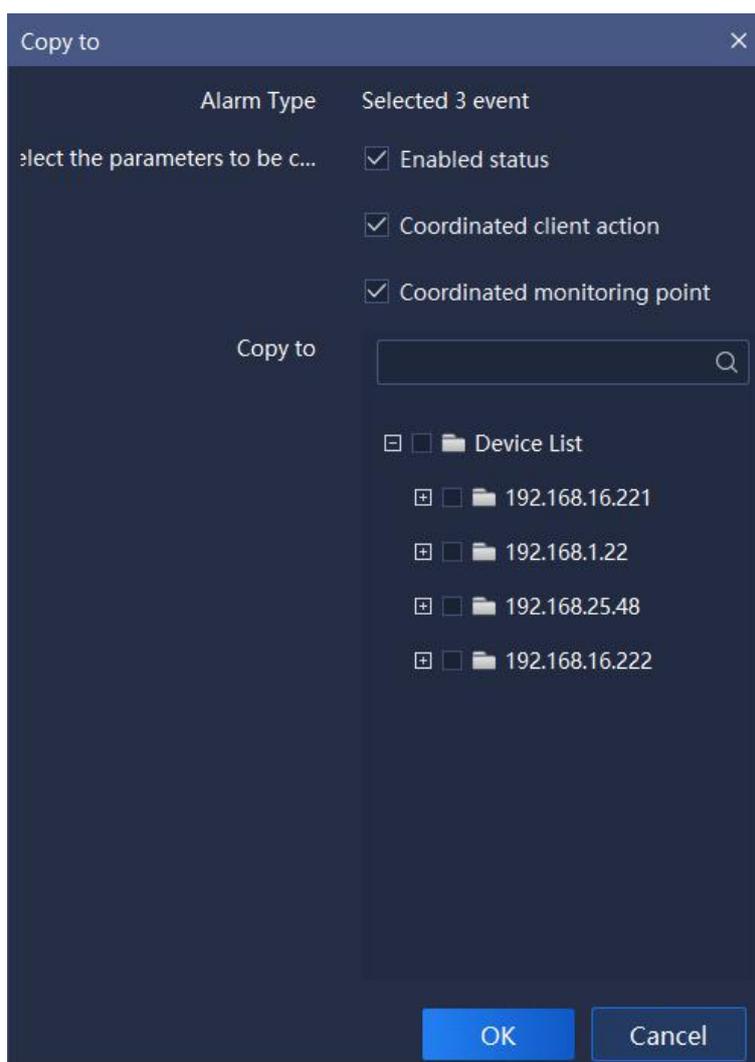


Figure 5.9.1.5

5.9.1.4. All enabled/All disabled

Click " **All enabled** " or " **All disabled** " to enable/disable all types of alarm in the channel.

5.9.2. Alarm configuration of the device

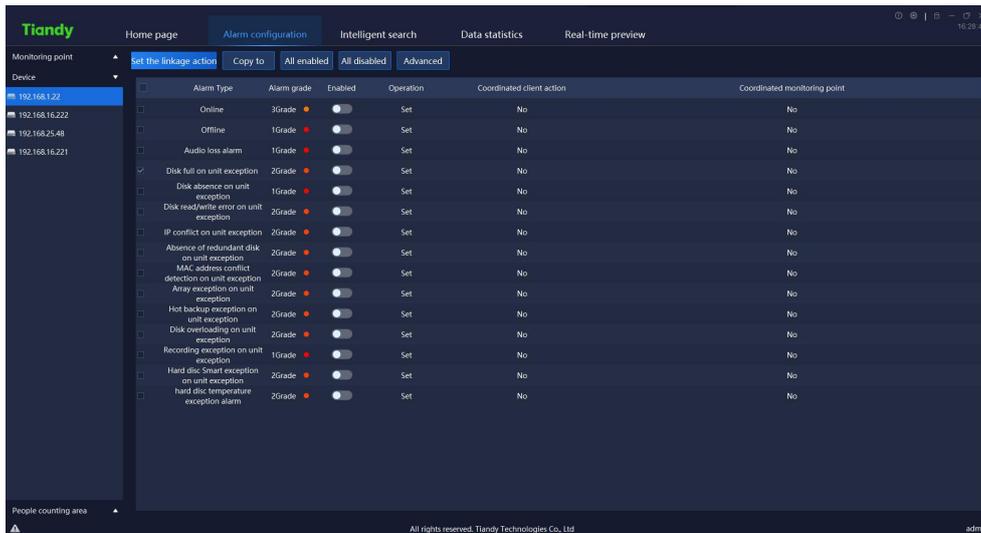


Figure 5.9.2.1

The specific operation is the same as the alarm configuration of monitoring point.

5.9.3. Alarm configuration of people counting area

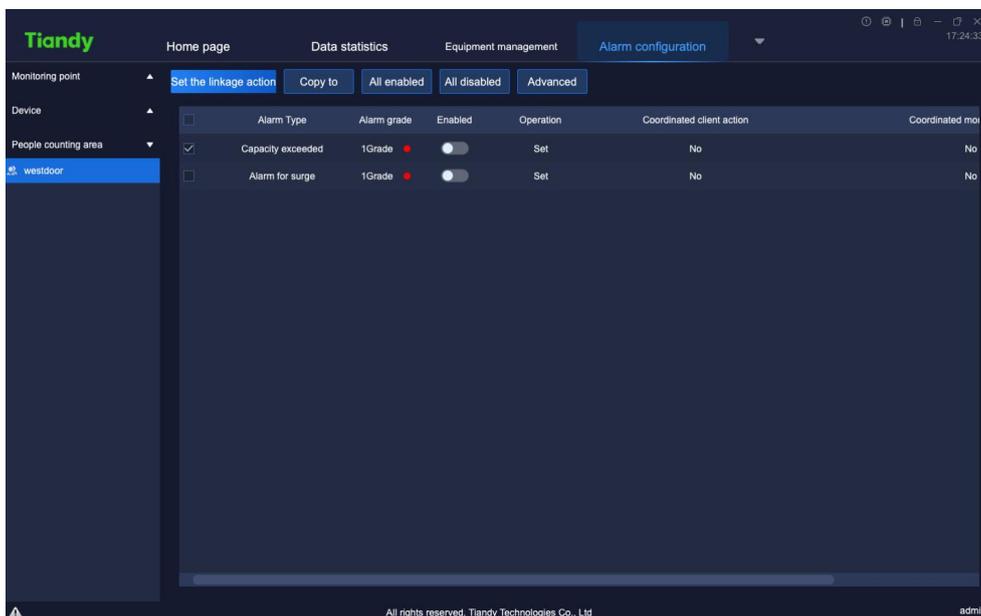


Figure 5.9.3.1

The specific operation is the same as the alarm configuration of monitoring point.

5.10. Operation logs



Click the operation log icon  on home page to enter the operation log interface. Login log, operation log and configuration log query supported, as shown in below figure:

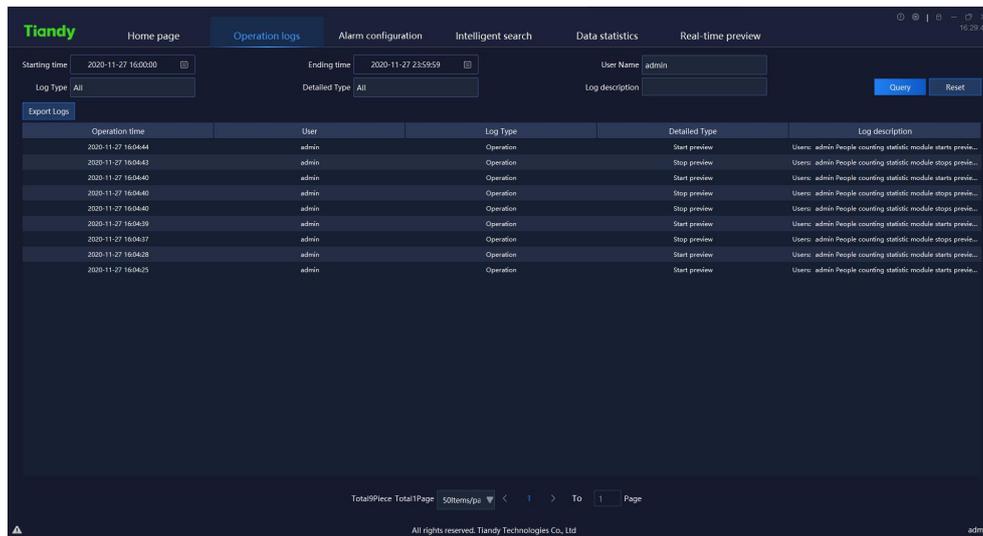


Figure 5.10

The description of related parameter in the interface is as follows:

Parameter	Description
Starting time	Available to set the starting time of log query.
Ending time	Available to set the ending time of log query.
User name	Available to query the operation record of one user. Admin-super administrator user may check the operation record of all users.
Log Type	Available to query logs by type, including all, login, operation and configuration.
Detail Type	Available to conduct detailed classified query of all, login, operation and configuration by type.
Log description	Search key word to query log information.
Export Logs	Click Export Logs, available to output and save logs.
Query	Click Query, available to query logs according to query

	conditions.
Reset	Click Reset, to restore query conditions to default status.
Total X Pages	Display how many pages does the query result has.
To X Page	Select a page to jump to the log record on that page.

Table 5.10