Tiandy

Easy7 Smart Client Express (Windows)

User Manual



ISO 9001:2008 ISO 14001:2004

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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 the exactly the same as real products, real products shall prevail in terms of practical application.

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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:

O Easy7 Smart Client Express Win64 V8.2.exe

Figure 3.1.1

2) Double click and enter installation program, as shown in the

figure below:

Install Guide		- ×
	Tiandy	
Select Language :	English ~ Next	

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:

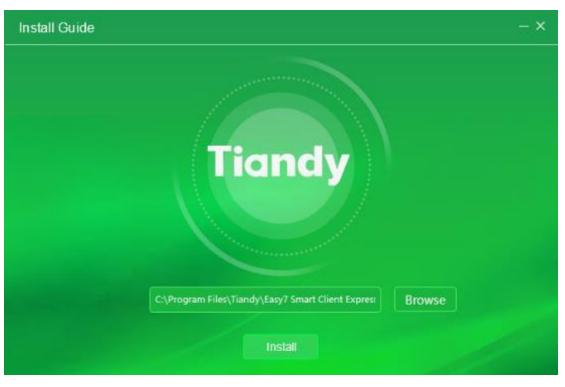


Figure 3.1.3

4) If it's necessary to change installation directory, click "Browse" to

select customized installation directory, as shown in the figure below:

elect a fold	er in the list below, then dick OK.	
	Files (x86)\Tiandy\Easy7 Smart Client Express V	/in6
>	Notepad++	^
>	- Oray	
	QQMailPlugin	
>	Realtek	
>	Reference Assemblies	
>		
	Swallow6.0	
>		
~	- Tiandy	
	Easy7 Smart Client Express Win6	4
<	- + 3	

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:

Install Guide		
	Tiandy	
	Finish	

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:

Tiandy	^	
Easy7 Smart Client Express		
TortoiseSVN	-⇔ Pin to Start	
v –	More	>
	🔟 Uninstall	

Figure 3.2.1

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:

Easy7 Sma	art Client Express Unins	tall	×
?	Are you sure you want Client Express and all		Easy7 Smart
		Yes	No

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:

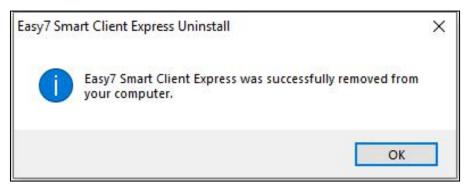


Figure 3.2.4

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:

	liandy	
💄 admin		
Please ent	ter password	
🔓 Please ent	ter the password again	
	Confirm	

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:

			×
← Password	protection		
	 Please set the security question 		
	Please choose question one		
	Please enter the answer to question 1		
	Please choose the second question	•	
	Please enter the answer to question 2		
	Please choose question 3		
	Please enter the answer to question 3		
	Confirm		
English 🔻			

Figure 4.1.2

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

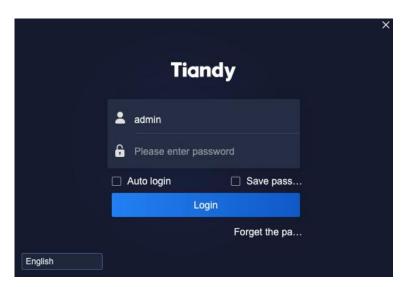


Figure 4.1.3

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

Parameter	Description				
Auto login	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.				
	Cancel automatic login: System configuration -> Common				

	Settings->Login Settings->Automatic Login Software.
Save	Tick and enable the check box. If the user name and
password	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	Click enable and click to enter the password verification
password	page. After the password security question is successfully
	verified, you can re-enter the initial password setting page to
	set the password.
English ▼ 简体中文 English pycский 한국머 ไทย Tiếng việt Le français lingua italiana عربی	Support shifting between multiple languages.
\times	Click and enable it. Click to close Easy7 login interface.

Table 4.1.1

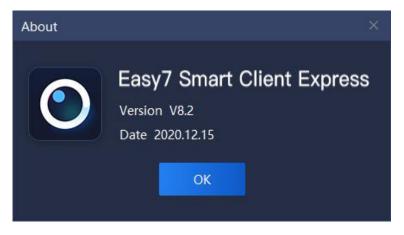
4.2. Framework setting

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:

Tiandy	Home page							0	0 ⁹ X 16.43.11
Commor	n functions								
	Real-time preview View the live images at the m point	nanitaring	Video playback Search and play the re monitoring point	cording file at the	Equipment management General management of mo devices to facilitate addition	nitoring	System configuration Typical operation an client configuration		
	Alarm management Real-time indication of unit i message to facilitate access t exception	alarm xo unit							
Basic fur	nctions								
	User management	Operation logs	Data statistics	Alarm configuration	(@) Intelligent search				
A				All rights reserved. Tiandy	Technologies Co., Ltd				admin

Figure 4.2.1

After entering the interface, click "①" on the right upper corner of the interface to display version information and date, as shown in below figure:





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:

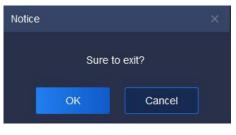
Software Delocking	
Delocking user name	admin
Delock password	
	Jnlock



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 " \Box / \Box " on the right corner of interface to restore/maximize the program; click " \times " 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 " \times " is clicked to quick the program, a notice will pop up to confirm whether to quit the program, as shown in below figure:





If " \times " 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 "

192.168.15.149-Channel 1	Intelligent analysis of video case diagnostics(NO.9)	Alarm removal		4Grade 😐
192.168.15.149-Channel 1	Intelligent analysis of video case diagnostics(NO.9)	Event		4Grade 🧕
	Intelligent analysis of perimeter(NO.2)	Alarm removal		4Grade 🧶
10.30.10.19-Channel 1	Intelligent analysis of not wearing the mask(NO.1)	Event		4Grade 🧕
192.168.15.149-Channel 1	Intelligent analysis of video case diagnostics(NO.9)			4Grade 🗢
	192.168 15.149-Channel 1 192.168 15.149-Channel 1 10.30.10.7-Test 10.30.10.19-Channel 1	192 163, 15 149-Channel 1 Intelligent analysis of video case diagnostics (IVO.9) 192 163 16 149-Channel 1 Intelligent analysis of video case diagnostics (IVO.9) 103 30 10 79-Channel 1 Intelligent analysis of not warring the maxi(VO.1) 10 30 10 79-Channel 1 Intelligent analysis of not warring the maxi(VO.1)	192 168, 15 149-Channel 1 Intelligent analysis of voloc case diagnostics(IhO 9) Aam removal 192 168, 15 149-Channel 1 Intelligent analysis of voloc case diagnostics(IhO 9) Event 103, 161, 07-Tool Intelligent analysis of partnet/NIhO 2) Aam removal 10, 30, 10, 7-Tool Intelligent analysis of not warring the mack/IhO 1) Event 10, 30, 10, 7-Tool 1 Intelligent analysis of not warring the mack/IhO 1) Event	192 tels 15 149-Channel 1 Inteligent analysis of voleo case diagnostics(biO 9) Aam removal 192 tels 15 140-Channel 1 Inteligent analysis of voleo case diagnostics(biO 9) Event Play 10 30 10 7-tool Inteligent analysis of permeter(biO 2) Aam removal Intelligent analysis of not warring the mack(biO 1) Event Play 10 30 10 10-Channel 1 Intelligent analysis of not warring the mack(biO 1) Event Play



"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

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:

Tiandy	Home page								
Device Group									
Encode device(4)	Q Auto Sea	∠ Modify	🗐 Delete	🖸 Output		linvert Selec	Q Refresh		
									R
									Ę
					192.168.25.4				5
									F
A				All right	Total 1 Page 20 ts reserved. Tiand	iece/Page < Technologies Co., I	1 > To 1	Page	admin

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,



on home page to enter the

	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.
L	·]

Table 5.1.1.1

5.1.1.1. Auto search of encode device

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

Add [Device			>
+	- Add C Refres	1		
 Image: A start of the start of	Device Type	IP address	Port	Channel No.
~	TD-DVR	192.168.15.194	3000	20
\checkmark	TD-S	192.168.15.30	3000	
\checkmark	TD-S	192.168.15.188	3000	2
\checkmark	TD-S	192.168.15.52	3000	2
\checkmark	TD-S	192.168.15.197	3000	
\checkmark	TD-S	192.168.15.199	3000	
\checkmark	TD-DVR	192.168.15.215	3000	5
\checkmark	TD-S	10.30.10.51	3000	2
\checkmark	TD-S	192.168.15.63	3000	2
\checkmark	TD-DVR	192.168.15.159	3000	10

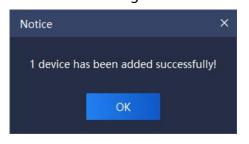
Figure 5.1.1.2

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:

Add Device		×
Add Mode	ІР Туре	
User Name	admin	
Password ••••		
✓ Import to Group		
OK Cancel		

Figure 5.1.1.3

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





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

5.1.1.2. Encod	. Encode device addition				
Click " + Add " to en	" to enter device addition interface, as shown in below figure:				
Add Device	×				
Add Mo	de IP				
	✓ Off-line Add				
Device Na	me Please enter device name				
Device Ty	TD series				
Device	Please enter device IP				
P	ort 3000				
User Na	me admin				
Passwo	ord ••••				
Video Cha					
	✓ Import to Group				
	Add Cancel				

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	
	Select different add type: IP type, Standard domain	
Add Mode	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.
	This information needs to be typed in when enabling
	the P2P adding model.
	Find [Device ID] via Device IE->Config>System
Device ID	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
DNS OSEI Hame	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.
	Tick, then the system will automatically add the device
Import to Group	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:

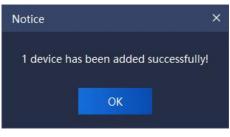
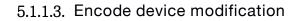


Figure 5.1.1.6



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

Modify Device		×
Add Mode	IP	
Device Name	192.168.25.48	
Device Type	TD series	
Device IP	192.168.25.48	
Port	3000	
User Name	admin	
Password	••••	
Video Chan	1	
	Modify Cancel	



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:

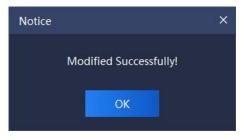


Figure 5.1.1.8

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:

Notice	×
Sure to want to del	ete the selected host?
ОК	Cancel

Figure 5.1.1.9



Check the device that needs to be added and handled, click the

button" Could the device ". Only after the password verification could the device information be output, as is shown in below figure:

Verify password		
User Name	admin	
Password		
	Confirm	

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:

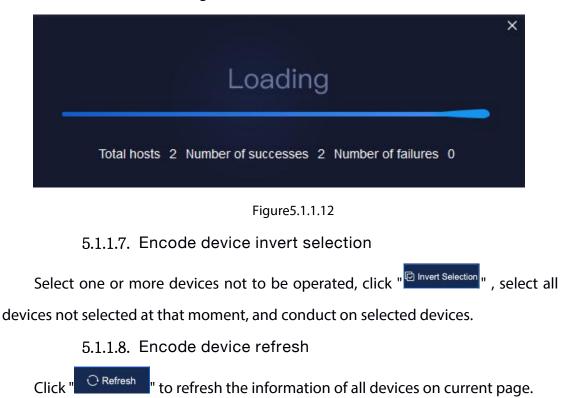
admin_Equipment list.csv
 admin_Organization chart.csv
 admin_Organization relationship table.csv



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:



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:

Ti	andy	Home page	System configuration		0 ● ⊕ − ♂ × 17:21:46
Device	Group				i i i i i i i i i i i i i i i i i i i
	Device List			Customized List	
					٩
	🗈 📃 💭 My device			🗆 🖿 Device List	l i
				D 🗈 192.168.16.221	i i
	192.168.1			🕑 🗆 🖿 192.168.1.22	i i
	192.168.1			0 192.168.25.48	i i i
	192.168.2			🖸 🗆 192.168.16.222	i i i
					i i i
					i i i
			A Import		i i
					i i
					i i i
					i i
					i i
					i i
					i i
					i i
					i i i
					i i i
					i i i
▲				All rights reserved. Tiandy Technologies Co., Ltd	admin

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.				
C Get Device Name	Get the front-end channel name of on-line channel in Device list.				
∠ Modify Group	Select a group in Customized list, click to modify the group name.				
+ Add Group	Select the list needs to create sub-group in Customized list, click to add a group.				
☐ Delete 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.				
져 import	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.				
レ Export	Tick and select the channel in Customized list group, click to export that channel.				
Q	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.				
ſ	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:				
С	Get the name, move the mouse to Device list channel node, click to get the front-end channel name of single				

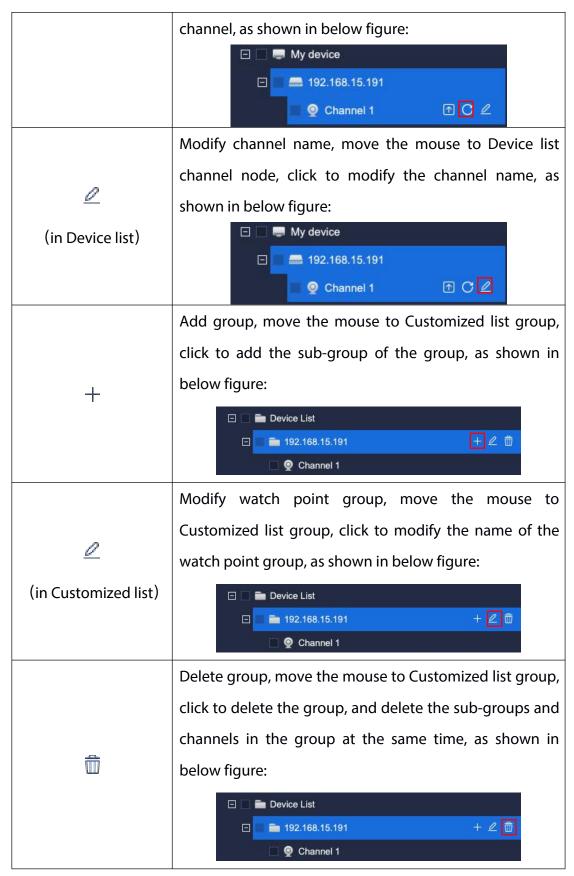


Table 5.1.2

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

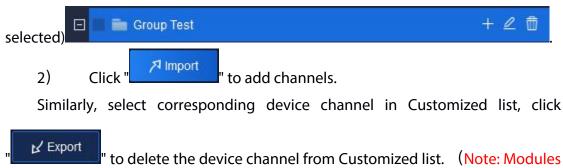
devices and their channels automatically generated by the system. The right Customized list is the group information customized by users themselves. To facilitate user's management, users may add the encode device on the left to the Customized list on the right as necessary. For example, to add all channels 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

🛨 🗹 🛲 10.30.10.12

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





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 " \square " 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 " 2 " 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 Click the 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:

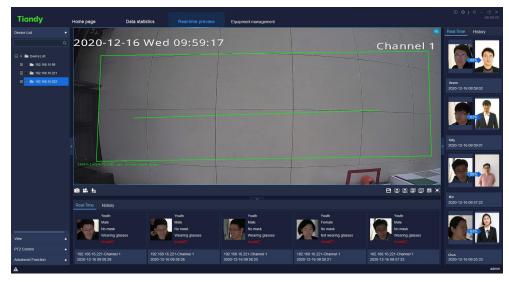


Figure 5.2

5.2.1. Device list

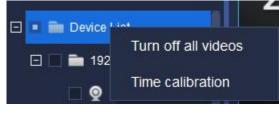
Click "Device list" on the left to display all customized group list and input key information in search blank, double click to check device watch point, as shown in below figure:



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:





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:

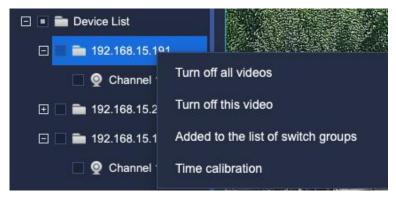


Figure 5.2.1.2

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	Add selected encode device to automatic switch group
switch groups	list.
	Conduct time calibration on on-line devices in selected
Time calibration	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:

🖃 🔳 Device List	
🖂 🗔 💼 192.168.15.191	
📃 🧕 Channel 1	
	Login to the affiliated host computer
🖃 🔜 💼 192.168.15.14	Log off the affiliated host computer
🗌 🧕 Channel 1	Turn off all videos
	Main code stream
192.168.15.14 🖿 🖿 🖿	Subcode stream
	Video interruption
🛨 🔳 💼 192.168.15.18	Start intercom
⊡ 📄 192.168.15.52	Stop intercom
🕀 📃 💼 192.168.15.18	
	Time calibration
	Change channel name



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

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:

Name	Device Type	IP address	Port	Video Channel	Connection status	C 🖃 🖿 Device List
192.168.15.191	TD series	192.168.15.191	3000		On-line	In the second
192.168.15.213	TD series	192.168.15.213	3000			Channel 1
192.168.15.149	TD series	192.168.15.149	3000			 Image: 192.168.15.213 Image: 192.168.15.149
192.168.15.144	TD series	192.168.15.144	3000			🗌 🧟 🗖 Channel 1
192.168.15.148	TD series	192.168.15.148	3000			🖻 🗹 💼 192.168.15.144
192.168.15.139	TD series	192.168.15.139	3000			🗈 🛄 💼 192.168.15.148
192.168.15.184	TD series	192.168.15.184	3000	20		🖬 🔳 🖬 192.168.15.139
192.168.15.52	TD series	192.168.15.52	3000	2		192.168.15.184
192.168.15.188	TD series	192.168.15.188	3000	2	On-line	 Image: 192.168.15.52 Image: 192.168.15.188
192.168.15.197	TD series	192.168.15.197	3000			192.168.15.197
192.100.15.197	TD series	192.100.15.197	3000			

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:

Log off the affiliated host

		Name	Device Type	IP address	Port	Video Channel	Connection status	
computer		192.168.15.191	TD series	192.168.15.191	3000			9 192.168.15.191
co p. c		192.168.15.213	TD series	192.168.15.213	3000			Channel 1
		192.168.15.149	TD series	192.168.15.149	3000			International Science (192,168,15,149)
		192.168.15.144	TD series	192.168.15.144	3000			Q Channel 1
		192.168.15.148	TD series	192.168.15.148	3000			🖭 🗹 💼 192.168.15.144
		192.168.15.139	TD series	192.168.15.139	3000			🖽 🗔 💼 192.168.15.148
		192.168.15.184	TD series	192.168.15.184	3000	20		 ■ 192.168.15.139 ■ 192.168.15.184
		192.168.15.52	TD series	192.168.15.52	3000			 ■ 192.168.15.52
		192.168.15.188	TD series	192.168.15.188	3000			
		192.168.15.197	TD series	192.168.15.197	3000			
Turn off all videos	Tu	ırn off a	ll video	s connec	ted at	that m	oment.	

_	In the channel of login encode device, click this button to
Main code stream	connect the main code stream video of the channel.
Subcode stream	In the channel of login encode device, click this button to
	connect the subcode stream video of the channel.

	disconnect the video of the channel.
	In the channel of login encode device, click this button to talk
	to the video source of the channel. Click this button in the
Ctart intercom	channel of DVR/NVR device, the intercom box "Talking to
Start intercom	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.
Ctop intercom	In the channel of login encode device, click this button to stop
Stop intercom	the intercom with video source of the channel.
Time calibration	To conduct time calibration on this on-line device.
Change channel	Change the name of surroutly selected shapped
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:

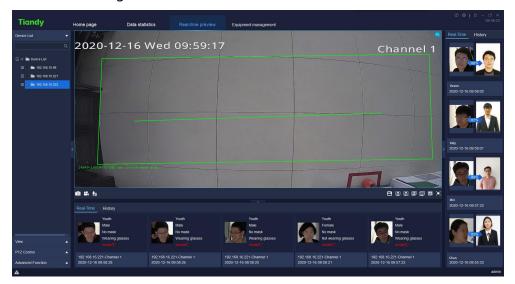


Figure 5.2.2.2

5.2.2.1. Toolbar in video preview interface

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

lcon	
` 0`	Capture all, to capture windows of all connected videos
	at current screen.

	Start all recording, record windows of all connected	
	videos at current screen.	
L	Intercom list, display current intercom status.	
8	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].	
<u>[]</u>	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	
못	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
0	video。
00 101	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:

Turn off the video	
Audio pre-view	
Snap shot	
Adjust the video's aspect ratio	✓ Filled
Switching of main code and subcode streams	4:3
Video parameter	16:9
Time calibration	16:10
Change channel name	9:16
Full screen	
Clear alarm hint	NORMAL RUNCH



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.
	Click on the single video window of connected
Audio pre-view	video to listen to the audio of video channel in the
	window.
Chan shot	Click on the single video window of connected
Snap shot	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
Switching of main code and subcode streams	and 9: 16 supported. 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.
Video parameter × * Brightnese Contrast Saturation Hue * Restore Default	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:

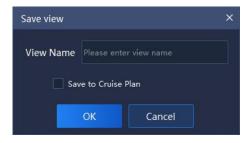


Figure 5.2.2.4 39

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:

Device List	▲	
View	▼	
test-face	Name change Added to the regular rotating switch program Delete	

Figure 5.2.2.5

3) Set rotating display plan:

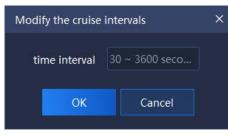
Click " I in preview interface toolbar in bottom right to enter to List of view rotating display plan interface, as shown in below figure:

View Cruise Pla	n List		×
∠ Modify	🛱 Delete	져 Move u	ピ Move d
	View Name	Time inter	val(s)
	westdoor	30	
	Clo	ose	

Figure 5.2.2.6

(1) Change the rotating display intervals: tick and select the view to be

modified, click " Modify " too change the rotating display interval (the range of



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



(2) Delete: tick and select the view to be deleted, click " Delete " to delete

the view, as shown in below figure:

Notice	×
Sure to delete the v pla	view from the cruise In?
ОК	Cancel



(3) Move upwards/Move down: tick and select the view to be moved, click

"A Move upward I 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:

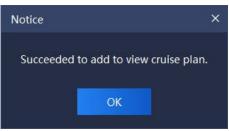


Figure 5.2.2.9

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:

Group Switching List			×
Group Switchir	ng Interval(s) β0 ☐ Delete	\$	
	Group Name	Split screen of the group	
	192.168.16	-X-	
	ОК	Close	



(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:

①Click " Modify " 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:

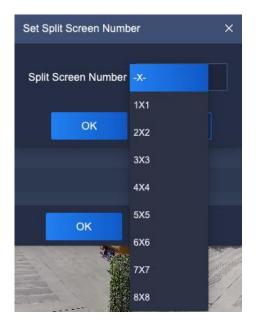


Figure 5.2.2.11

11) Turn on/Turn off group switching:

Click "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:

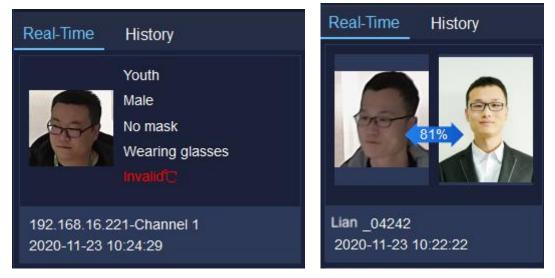


Figure5.2.2.12

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:

Name change
Added to the regular rotating switch program
Delete

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	Click to add the view to the regular rotating switch plan
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:





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

lcon	Description
	8-direction key, press corresponding direction key to control PTZ to rotate in the direction accordingly; the center button is scan shortcut key.
⊴,⊕	Zoom control button, press " \bigcirc " to control the device to perform zoom-out operation, the field of view angle becomes larger and the scene becomes smaller; press " \bigcirc " control device to perform zoom-in operation, the field of view angle becomes smaller and the scene becomes larger.
^b t [−] ^b t [−] ^c t [−]	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.
0,0	Aperture control button, press " ¹ ⁽¹⁾ " to control the

	device to perform aperture reduction operation,	
	press " \odot " to control device to perform aperture	
	enlargement operation.	
Spood	The slider can adjust the rotation speed of the	
Speed —	device.	
Preset 1	Set the preset number for calling.	
٢	Call the preset. Select saved preset, click to call and	
۷	the screen will jump to the preset part.	
	Set the preset. Select the preset number to be saved,	
7	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:

Advanced Fund	ction 🔻
Light	
Open	Close
Power	
Open	Close
Wiper	
Open	

Figure 5.1.5

The description of related parameters is as follows:

Parar	Parameter		Description	
Light			Or an /ala as light	
Open Close			Open/close light.	

Close	Open/close power.	
	Open wiper.	
	Close	

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:

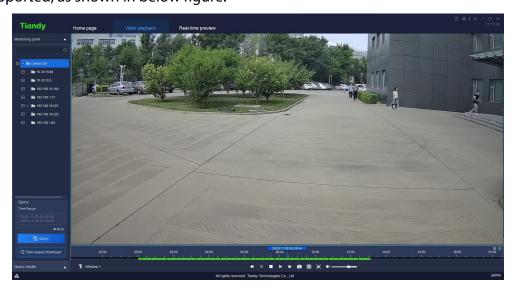


Figure 5.3

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 " There " to set storage type, stream type and other screening conditions for query, then click " More " again to hide detailed screening condition, as shown in below figure:

Monitoring point 🗸	Monitoring point 🗸
Q	Q
🖃 💼 Device List	🖸 🔳 Device List
🛨 🔳 💼 10.30.10.80	王 🔳 10.30.10.80
🗈 🗹 💼 10.30.10.5	H 🗹 💼 10.30.10.5
🕒 📄 💼 192.168.15.184	192.168.15.184
🗉 📃 💼 192.168.1.31	192.168.1.31
192.168.16.221 🖬 🗹	🗉 🗹 💼 192.168.16.221
192.168.16.222	🗉 📃 💼 192.168.16.222
192.168.1.80	H 🔜 💼 192.168.1.80
	Query Time Range 2020-11-28 00:00:00 2020-11-28 23:59:59 ▼ More Storage location
Query	
Time Range	Remote storage
	Stream type
▲ More	Mainstream
🔁 Query	R Query
C Time-based download	Time-based download
Query results	Query results

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:



Click " Query results a " 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 F 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:

lcon	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.		
N I	Step forward button, click to make the video file play		
P1	frame by frame.		
_	Stop button, click to stop the playback of current video		
-	file.		
	Snap shot button, click to snap shot the selected video		
0	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.		

Window 1	Display the current control window number.	
	Video type filter button, click to filter the video time axis	
T	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:

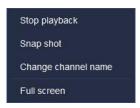


Figure 5.3.2.2

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	Click to change channel name of selected playback	
name	window.	
Full serves	Click to display the playback window at full screen. Click	
Full screen	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 "¹ to conduct batch downloading, as shown in below figure:

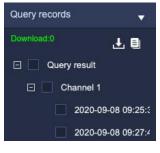


Figure 5.3.3.1

Click "]" to enter export progress list interface to check the progress of file

downloading, as shown in below figure:

Itput the list of progress	ally exporte				
File name	Size(MB)	Export time	Progress	Status	Storage pat
U00C0M2020112723	508.30	2020-11-28	(10%	Downloa	C:/Users/07378/Ap
U00C0M2020112801	508.29	2020-11-28	0%	Waiting	C:/Users/07378/A
Export total:2 Exported	d finished0				

Figure 5.3.3.2

2) Stop export:

In export progress list, select the file needs to stop export, right click this file,

select " Stop Export " to stop downloading the file, as shown in below figure:

Front-end expo Local	lly exporte				
File name	Size(MB)	Export time	Progress	Status	Storage path
U00C0M2020112723	508.30	2020-11-28	13%	Stop	C:/Users/07378/Ap
U00C0M2020112801			Re- Cle	p exporting export an Record an All	<i>с:.</i> /Users/07378/Ар

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:

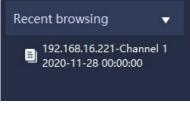


Figure 5.3.4

5.4. System Configuration

Click the system configuration icon 💴 on home page to enter system

settings interface.

5.4.1. Common settings

Tiandy	Home page 53		Real-time preview	
Common Settings	Login Settings Automatic Login Soft	tware		
Storage management Intelligent application P2P setting	Path Setting Save path of capture photo Video Download Save Path			
	system Language Skin			
	Data backup Data backup	Backup Rec		
	Log Settings Period of keeping operatio Period of keeping alarm lo			
			Restore Defa. San	
			All rights reserved. Tiandy Technologies Co., Ltd	ad

Figure 5.4.1.1

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

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

		starts.	
	Save path of capture	The save path of capture, preview and	
Path Setting	photo	playback photo.	
Path Setting	Video Download Save	The save path of video download.	
	Path		
	Language	Set the language of software system,	
System	Language	effective after restart.	
Jystem	Skin	Set the skin of software system, effective	
	5611	after restart.	
Data backup	Data backup path	Back up, recover, clean up and re-index	
		software database backup files.	
	Period of keeping	Set the save time of each operation log.	
Log Settings	operation log	Set the save time of each operation log.	
Log Settings	Period of keeping	Set the save time of each alarm log.	
	alarm log	Set the save time of each alarm log.	
		Restore the configuration of current	
Res	tore Default	page to the configuration information	
		when initially installed.	

Table 5.4.1

5.4.2. Video Settings

Tiandy	Home page	System configuration	Real-time preview								
Common Settings											
🖬 Video Settings	Automatically i	Automatically restore the st									
Alarm grade	Switch between Main and S 🖲 Automatic 🗅 Manual										
Storage management											
📦 Intelligent application	Automatic Swite	thing Scree 16									
P2P setting	Manual Default	Connection Substream									
	Play property se	tting Good fluency									
	Decoding mode	setting Software decode									
	Video download	format SDV format									
			Restore Defa Save								
A			All rights reserved. Tiandy Technologies Co., Ltd	admin							

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	Software decode and hardware decoding are supported,
setting	effective after restart.
Video download	The download recording may set SDV (private format)
format	and MP4 (general format).

Table 5.4.2

5.4.3. Alarm grade

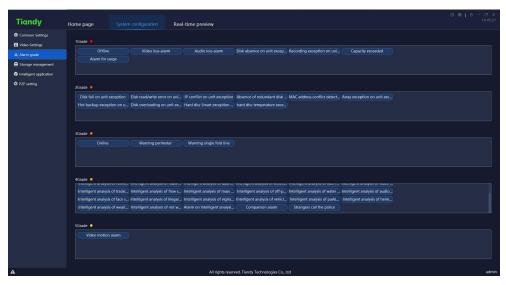


Figure 5.4.3

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

Findly Nome page System configuration Real-time preview Contribution recording time Real-time preview Real-time preview Contribution recording time Real-time preview Real-time preview

5.4.4. Storage management

Figure 5.4.4

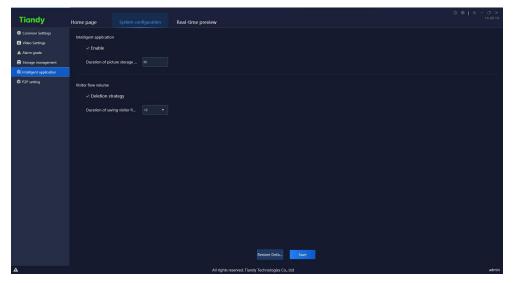
The description of related parameters in the interface is as follows:

Parameter	Description
Continuous recording	Set the time of continuous recording (recording
time (min)	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





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

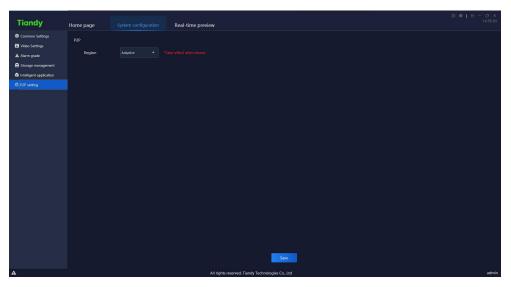


Figure 5.4.6

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:

	eal-time preview	back	Video playb	uration	System config		Home page	Fiandy
							History alarm	
Grade 2 🗕 🗹 Grade 3 🍨 🗹 Grade 4 🔶 🗹 Grade 5	Fliter level 🛛 Select all 🖂 Grade 1 😐							Check
Comment	m grade	ew /	Previo	Alarm status	Alarm Type	Source of alarm	Time of alarm	
	rade 🧧		Play	Alarm	Strangers call the	2.168.16.221-192.168.16.221	020-11-28 13:58:41	
				Alarm removal	Strangers call the		020-11-28 13:58:40	
				Alarm removal	Video sheltering	68.15.184-yzj监仓单曰人脸	020-11-28 13:58:39 19	
					Strangers call the		020-11-28 13:58:32	
					Video sheltering	68.15.184·yzj监仓单目人脸	020-11-28 13:58:27 19	
				Alarm	Comparison alarm	68.15.184-yzj监仓单目人脸	020-11-28 13:57:52 19	
				Alarm removal			020-11-28 13:57:50	
	rade 🧕				Video motion alarm		020-11-28 13:57:38	
	rade 🧕			Alarm removal	Video motion alarm		020-11-28 13:57:09	
				Alarm removal	Video sheltering	i68.15.184-yzj监仓单目人脸	020-11-28 13:57:08 19	
				Alarm removal	Strangers call the		020-11-28 13:57:08	
	rade 😐			Alarm	Strangers call the		020-11-28 13:57:00	
					Video sheltering	168.15.184-yzj监仓单曰人脸	020-11-28 13:57:00 19	
				Alarm removal	Intelligent analysis	68.15.184-yz]监仓单目人脸	020-11-28 13:56:59 19	
				Alarm removal	Intelligent analysis	68.15.184-yzj监仓单曰人脸		
	rade 😐			Alarm	Intelligent analysis	i68.15.184-yzj监仓单日人脸	020-11-28 13:56:58 19	
	rade 🧧						020-11-28 13:56:58	
	rade 😐			Alarm removal	Intelligent analysis	i68.15.184-yzj监仓单目人脸	020-11-28 13:56:57 19	
					Intelligent analysis	68.15.184·yz]监仓单目人脸		
	rade 😐			Alarm removal	Intelligent analysis	68.15.184-yzj监仓单目人脸	020-11-28 13:56:57 19	
					Intelligent analysis	168.15.184-yzj监仓单日人脸		
	rade 📍			Alarm	Intelligent analysis	68.15.184·yzj监仓单目人脸	020-11-28 13:56:56 19	
				Alarm removal			020-11-28 13:56:52	
	rade 🏓			Alarm	Offline		020-11-28 13:56:44	



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

Parameter	Description
	Tick and select alarm records need to be checked, click
	to fill in handling suggestion, the checked alarm records
Check	will be removed from real-time alarm, the handing
	suggestion and checking status will update to the
	history alarm record of corresponding alarm record.
Audio	Click to turn on/off alarm audio.
	Click to play the video 10s before and after the time of
Play	alarm, if there's no video, real-time preview will be
	displayed.
	Tick and select filter level, the selected level will be
Filter level	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:

									History alarm	eal-time alarr
							:59:59 🛱	End time 2020-11-28 23	2020-11-28 00:00:00 🗐	
				Query Res	•			Status check Al		Source of ala
🕨 🗹 Grade 4 😐 🗹 Grade !	rade 2 😐 🗹 Grade 3 🕯	Z Grade 1 😐 🗹 G	er level 🗹 Select all 🗄	Filt					Output	
				Alarm grade			Alarm Type		Time of alarm	
			Not confirmed	4Grade 🔍	Play	Alarm	Comparison alarm	2.168.16.221-192.168.16.221	020-11-28 13:59:30 19	
			Not confirmed	4Grade 😐		Alarm removal	Strangers call the	2.168.16.221-192.168.16.221	020-11-28 13:59:30 19	
			Not confirmed	4Grade 😐		Alarm	Strangers call the	2.168.16.221-192.168.16.221	020-11-28 13:59:30 19	
			Not confirmed	4Grade 😐			Intelligent analysis	168.15.184-yzj监仓单曰人脸	020-11-28 13:59:29 192	
			Not confirmed	5Grade 🔍		Alarm	Video motion alarm	2.168.16.222-192.168.16.222	020-11-28 13:59:26 19	
			Not confirmed	4Grade 😐			Intelligent analysis	168.15.184-yzj监仓单曰人脸	020-11-28 13:59:24 192	
			Not confirmed	4Grade 😐		Alarm removal	Intelligent analysis	168.15.184-yzj豈仓单曰人脸	020-11-28 13:59:24 192	
				4Grade 🧕			Intelligent analysis	168.15.184-yzj监仓单目人脸	020-11-28 13:59:22 192	
			Not confirmed	4Grade 🧕		Alarm	Intelligent analysis	168.15.184-yzj监仓单曰人脑	020-11-28 13:59:21 192	
				4Grade 🧕			Intelligent analysis	168.15.184-yzj监仓单曰人脸		
			Not confirmed	4Grade 🧕		Alarm removal	Intelligent analysis	168.15.184-yzj监仓单目人脸	020-11-28 13:59:14 192	
			Not confirmed	4Grade 😐			Intelligent analysis	168.15.184-yzj监仓单曰人脸		
			Not confirmed	4Grade 😐		Alarm removal	Intelligent analysis	168.15.184-yzj监仓单目人脸	020-11-28 13:59:12 192	
				4Grade 😐			Intelligent analysis	168.15.184-yzj监仓单曰人脸	020-11-28 13:59:10 192.	
			Not confirmed	5Grade ♀		Alarm removal	Video motion alarm			
				5Grade 🔍			Video motion alarm		020-11-28 13:58:57 19	
			Not confirmed	5Grade 🔍		Alarm removal	Video motion alarm		020-11-28 13:58:45 19	
									020-11-28 13:58:44	
			Not confirmed	1Grade 😐			Offline		020-11-28 13:58:44	
			Not confirmed	Alignada 🔴		Alarm ramoval	Stranger call the	2 168 16 221-192 168 16 221-	020-11-20 12-50-42 10	

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		
Source of alarm	query, search by key word supported.		
Ctatus ab a du	Available to set the checking status of history alarm		
Status check	query, including all, unchecked and checked.		
User check	Available to set the checking user of history alarm query		
0	Click to search history alarm information conforms to		
Query	search condition.		
Reset	Click to restore to default query condition.		
	Tick and select alarm records need to be checked, click		
Check	to fill in handling suggestion. Update verification status,		
Check	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.
	Click to play the video 10s before and after the time of
Play	alarm, if there's no video, real-time preview will be
	displayed.

Та	ble	5.5	.2
	NIC.	2.2	•

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:

				0 0 8 - C ×
Tiandy	Home page	User management	Real-time preview	14.01:24
Add	Edit Delete			
	User Name			Description
	admin01		Adminstrater	
			Operator	
	admin		Super Administrator	
4			All rights reserved. Tlandy Technologies Co., Ltd	admin

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:

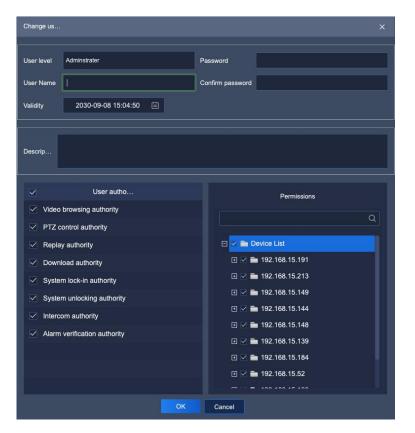


Figure 5.6.1

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 "^{Edit}" to enter Change users interface, as shown in below figure:

Change users	3		×			
User level	Operator	Password				
User Name	Adminstrater001	Confirm password				
Validity	2030-09-08 15:04:50					
Descrip	admin testing Descrip					
\mathbf{Z}	User autho		Permissions			
Video	browsing authority		Q			
🗹 PTZ o	ontrol authority					
🗹 Repla	y authority	E 🗹 🚞 Device List				
🗹 Downl	load authority	Image: Market and the state of the				
System	m lock-in authority	⊡ I92.168.15.213 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □				
🗹 Syster	m unlocking authority		192.168.15.149			
Interco	om authority		192.168.15.144			
🗹 Alarm	verification authority		192.168.15.139			
			192.168.15.184			
			192.168.15.52			
	ок	Cancel				

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 "Delete" and a notice box will pop up, as shown in below figure:

Notice)		×
	Sure to delete the	e selected user	?
	Cancel	ОК	

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

Tiandy	Home page		Data statistics	Real-time prev	riew			
2 Face retriev		Start time 2020-1	1-27 00:00:00 📼	End time	2020-11-27 23:59:59 📼	Gender Al		Age group Al 👻
	□ ■ Device List □ ✓ ■ 192.168.16.22 □ ■ 192.168.122 □ ■ 192.168.25.43	Wearing mask All		Wearing glasses		Body temperature measurement Al		Retrieve
	D 🗖 🖿 192.168.16.223	Snapshot Time 2020-11-27 15:23:4	Channel 1		Wearing glasse:Wearing masks Wearing No mask glasses No mask	perature meas 0	Operation Details Playback	
		2020-11-27 15:23:3 2020-11-27 15:22:4	Channel 1 192.168.16.2 Channel 1 Mal		Not wearing glasses No mask Wearing glasses No mask		Details Playback Details Playback	
		2020-11-27 15:22:1 2020-11-27 15:21:5	Channel 1 102 169 16 2		Not wearing glasses No mask Wearing No mask glasses No mask		Details Playback Details Playback	
		2020-11-27 15:21:5 2020-11-27 15:21:2	Channel 1 102 169 16 2		Wearing No mask glasses No mask Wearing No mask glasses No mask		Details Playback Details Playback	
			tion 169 16 0		Wearing No mask glasses No mask Wearing No mask glasses No mask		Details Playback Details Playback	
			Channel 1 102168162		Not wearing glasses No mask Not wearing Wearing glasses mask		Details Playback Details Playback	
		2020-11-27 15:205	4 192.168.16.2 Mai Channel 1		Not wearing Wearing glasses mask Not wearing glasses No mask		Details Playback Details Playback	
			102169162	ale Youth	Not wearing glasses Mot washing			Ļ
				Total798Pie	ce Total54Page < 1	2 3 → To 1 Page		
4			All rights r	reserved. Tiandy Tech	nologies Co., Ltd			admin

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:

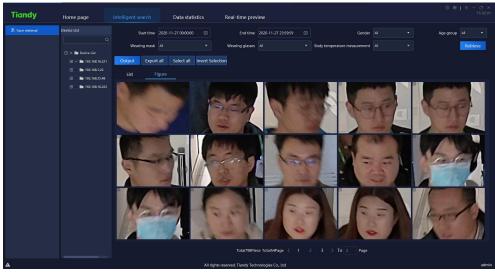


Figure 5.7.3

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

Snapshot Channel rGender	Age grou	urWearing εWearing πBod	y tempBig pictuSmall picture path
2020-11-2192.168.1Male	Youth	Wearing gNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Female	Youth	Wearing gNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Junior	Wearing gWearing π	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Wearing gNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Not weariNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Wearing gNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Not weariNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Wearing gNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Wearing gNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Wearing gNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Wearing gNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Wearing gNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Middle :	agNot weariNo mask	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Not weariWearing π	0 E:/Test/cE:/Test/easy7/FacePic/20
2020-11-2192.168.1Male	Youth	Not weariWearing π	0 E:/Test/cE:/Test/easy7/FacePic/20



Click " Export all " to export all retrieved results.

5.8. Data statistics

Click the data statistics icon 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.

Fiandy	Home page Inte	lligent search Data statis	tics Real-time preview			
E Face statistics	Q 1	ype of statistics: Age group 🔹 Type of r	eport: Daily Report 🔻 Date of statistic	🗙 2020-11-27 🗐 Statistics	Output	
S Visitor flow statistics	🗉 🗉 Device List	List Graphics				
	E 🗹 🖿 192.168.16.221	Statistical Time			Middle age	Old age
	🗹 👰 192.168.16.221-Cł	00:00-00:59				
	E 🔲 🖿 192.168.1.22	01:00-01:59				
	E 192.168.25.48	02:00-02:59				
	I 192.168.16.222	03:00-03:59				
		04:00-04:59				
		05:00-05:59				
		06:00-06:59				
		07:00-07:59				
		08:00-08:59				
		09:00-09:59				
		10:00-10:59				
		12:00-12:59				
		14:00-14:59				
		18:00-18:59				
		19:00-19:59				
		20.00-20.59				



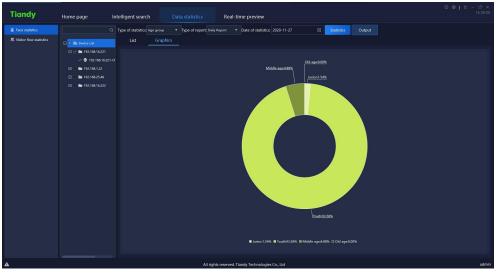


Figure 5.8.1.2

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".

Tiandy	Home page Intelligen	t search Data statistics	Real-time preview		
E Face statistics	Q Type of s	tatistics: Gender 🔹 Type of report: I	Daily Report Date of statistics: 2020-11-27	Statistics Output	
9. Visitor flow statistics	🗉 🗉 Device List	st Graphics			
	🗉 🗹 🖿 192.168.16.221	Statistical Time			
	⊻ 👰 192.168.16.221-Cł	00:00-00:59			
	E 📄 🖿 192.168.1.22	01:00-01:59			
	192.168.25.48	02:00-02:59			
	192.168.16.222	03:00-03:59			
		04:00-04:59			
		05:00-05:59			
		06:00-06:59			
		07:00-07:59			
		08:00-08:59			
		09:00-09:59			
		18:00-18:59			
		19:00-19:59			
		20:00-20:59			
		22:00-22:59			
		23:00-23:59			



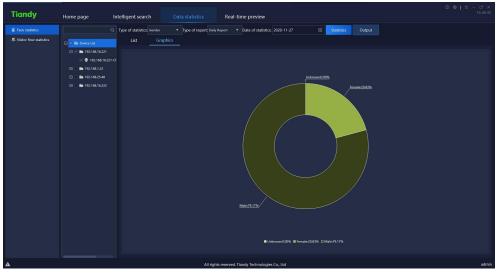
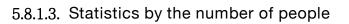


Figure 5.8.1.4



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

liandy	Home page li	ntelligent search Data statistics	Real-time preview		
Face statistics	۹.	Type of statistics: The number of pr Type of report:	Daily Report V Date of statistics: 2020-11-27	itatistics Output	LL 12
Visitor flow statistics	🗉 🖬 Device List	List Graphics			
	🗉 🗹 🖿 192.168.16.221	Stati	istical Time	The number of people	
	🗹 🔮 192.168.16.221-C	1 00	:00-00:59		
	🖽 📄 🖿 192.168.1.22		:00-01:59		
	H 192.168.25.48	02	:00-02:59		
	E 192.168.16.222		:00-03:59		
		04:	:00-04:59		
			00-05:59		
			:00-06:59		
			:00-07:59		
		08	:00-08:59		
		09:	:00-09:59		
		10:	00-1059		
			:00-11:59		
			:00-12:59		
			:00-13:59		
			:00-14:59		
			:00-15:59		
			:00-16:59		
			:00-17:59		
			:00-18:59		
			:00-19:59		
			:00-20:59		
			:00-21:59		
			:00-2259 :00-23:59		
		28	00-2859		
		ai	I rights reserved. Tiandy Technologies Co., Ltd		admin

Figure 5.8.1.5

In graphic interface, click "



" to switch to line chart display, click "

....

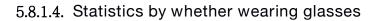
to switch to bar graph display.



Figure 5.8.1.6







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.

Tia ndy	Home page Intellige	nt search Data statistics Real-time	preview	
Face statistics	Q Type of	statistics: Wearing glasses * Type of report: Daily Report * Dat	e of statistics 2020-11-27 💿 Statistics Outp	
 Visitor flow statistics 	🗉 🗉 Device List	List Graphics	Statistics	
	⊡ ⊻ ■ 192.168.16.221	Statistical Time	Not wearing glasses	Wearing glasses
	🗹 👰 192.168.16.221-Cł	00:00-00:59		
	H _ = 192.168.1.22	01:00-01:59		
	192.168.25.48	02:00-02:59		
	192.168.16.222	03:00-03:59		
		04:00-04:59		
		05:00-05:59		
		06:00-06:59		
		07:00-07:59		
		08:00-08:59		
		09:00-09:59		
		10:00-10:59		
		12:00-12:59		
		14:00-14:59		
		16:00-16:59		
		18:00-18:59		
		20:00-20:59		
		All rights reserved. Tiandy		

Figure 5.8.1.8

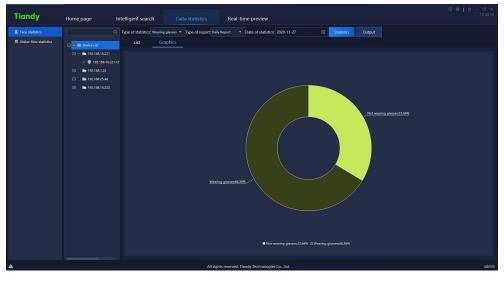


Figure 5.8.1.9

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.

Tiandy	Home page Inte	elligent search Data statistics Real-t	ime preview	© ⊜ ⊕ – ♂ × 1545.01
Face statistics	Q 1	Type of statistics: Wearing mask 🔻 Type of report: Daily Report 💌	Date of statistics 2020-11-27 🗉 Statistics Output	
2. Visitor flow statistics	🗉 = 🖿 Device List	List Graphics		
	🗉 🗹 🖿 192.168.16.221	Statistical Time	No mask	Wearing mask
	🗹 👰 192.168.16.221-CF	00:00-00:59		
	🖽 📃 🖿 192.168.1.22	01:00-01:59		
	E 192.168.25.48	02:00-02:59		
	H 192.168.16.222	03:00-03:59		
		04:00-04:59		
		05:00-05:59		
		06:00-06:59		
		08:00-08:59		
		09:00-09:59		
		10:00-10:59		
		16:00-16:59		
		18:00-18:59		
		19:00-19:59		
		20:00-20:59		
		22:00-22:59		
		23:00-23:59		
V		All rights reserved. T	iandy Technologies Co., Ltd	admi

Figure 5.8.1.10

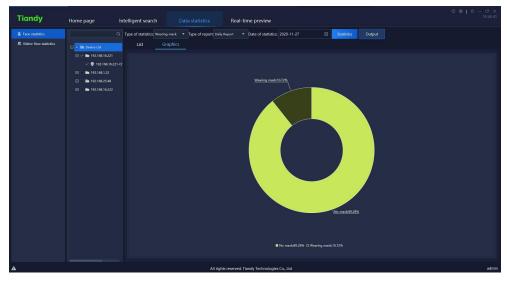


Figure 5.8.1.11

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.

Tiandy	Home page Ir	ntelligent search Data	statistics Re	al-time preview		
Face statistics	٩	Type of statistics: Body temperature *	pe of report: Daily Report	Date of statistics: 2020-11-27 Statistics		LL LZ
Solution Statistics	🗉 = 🖿 Device List	List Graphics				
	E 🗹 🖿 192.168.16.221		Statistical Time		Body temperature unacceptable	
	🗹 🧟 192.168.16.221-CI		00:00-00:59			
	192.168.1.22		01:00-01:59			
	192.168.25.48		02:00-02:59			
	192.168.16.222					
			04:00-04:59			
			05:00-05:59			
			06:00-06:59			
			08:00-08:59			
			09:00-09:59			
			10:00-10:59			
			12:00-12:59			
			16:00-16:59			
			18:00-18:59			
			19:00-19:59			
			20:00-20:59 21:00-21:59			
			21:00-21:59 22:00-22:59			
			23:00-23:59			
			2x00-2x59			
			All rights reserv	ed. Tiandy Technologies Co., Ltd		adı

Figure 5.8.1.11







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:

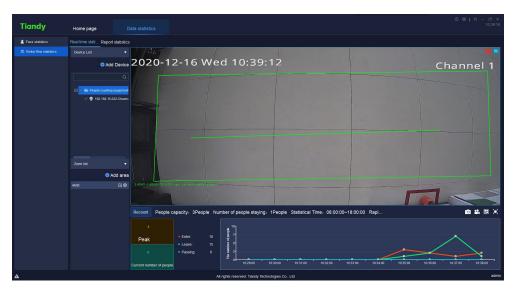


Figure5.8.2.1

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:

Real time stati Report statistics
Device List
😌 Add Device
Q
🖃 🔲 💼 People counting equipment
🗌 🧟 192.168.25.48-Channel

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:

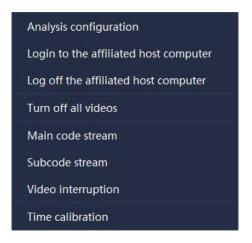


Figure 5.8.2.3

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

Configuration tool					×
Analysis channel na	me 192.168.16.222-Channel 1				
People coun					Hide prompt
Mode	Vertical people counting 🔹	Sample	Video frame		
	Please draw detection area in video frame		2020-12-16 Wed 10:12:25		Channel 1
Max. size of the target	Max. size of the target, to be set at 6-30, unit: %	15%	and the second s		
Min. size of the target	-0	6%			
Sensitivity	Min. size of the target, to be set at 5-20, unit: %	80			
	Sensitivity, to be set at 0-100				
				1	
		Save			
		1 A A			

Figure 5.8.2.4

Parameters	Explanation
Analysis channel	Switch channels and analyse the configuration of each
name	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	Display the maximum size of the target, and the range can be						
target	set from 6% to 30%						
Min. Size of the target	Display the minimum size of the target, and the range can be						
Min. Size of the target	set from 5% to 20%						
Sonsitivity	Set the detection sensitivity. The higher the sensitivity, the						
Sensitivity	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.						
0	Redraw the statistical area in the video graph.						
M	Redraw the statistical lines in the video graph.						
ŵ	Eliminate the lines.						

Table 5.8.2.1

Other right-click menu button 5.2.1 device list $_{\circ}$

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

77

People counting camera configuration				×
٩		+ Add Group	☐ Delete Group	∠ Modify Group
🗆 💶 💭 Device List				Q
🖃 🗹 🛲 192.168.16.221		🖃 📄 🖿 People counti	ng camera list	
🗹 🧕 192.168.16.221-Channel 1		🗌 🧟 192.168.2	5.48-Channel 1	
I 🔄 🚍 192.168.16.222				
· 🔲 🛲 192.168.25.48				
	A Import			
	⊮ Export			

Figure 5.8.2.5

Parameters	Explanation
	In the left device list, select the device or device channel. In
저 Import	the right guest flow camera list, select a group, and click to
Zeimport	add the device or device channel to the guest flow camera
	group.
	In the right guest flow camera list, select a group or device
⊮ Export	channel, and click to delete the group and its device channel
	or device channel from the guest flow camera list.
+ Add Group	In the right guest flow camera list, select the node and click to
T Add Group	add the guest flow group.
🛱 Doloto Croup	In the right guest flow camera list, select a group and click to
Delete Group	delete the guest flow group.
2 Modify Croup	In the right guest flow camera list, select the node and click to
∠ Modify Group	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:

Zone list	
	😌 Add area
Old school	区會



In the area list, click "⁽ⁱⁱⁱ⁾" to delete established area, click "⁽ⁱⁱⁱ⁾" to update the configuration information of present area, click "⁽ⁱⁱⁱ⁾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:

Area configuration	×
Area name	Old school ×
Start time	00:00:00 End time 23:59:59
People capacity	Enable alarm (Upper limit of people capacity)
Rapidly increase	Enable alarm Hour I I I Hour I Upper limit of increased number of peop
Alarm interval	10 v (Minute)
Number of people st	aying 1 (Current number of people)
Add	Delete
	Channel Name
	192.168.25.48-192.168.25.48-Channel 1
	Confirm Cancel

Figure 5.8.2.7

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	Set the current number of existing people.				
staying					
Add	Set the detected channel video to be detected. Multiple				
Add	channel videos adding is possible.				
Delete	Select the channel video to be deleted. Multiple channel				
Delete	videos deletion is possible.				



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:

Recount People of	apacity: 1Pe	ople Nun	mber of pe	ople staying	g: 1People	Statistical 1	Time: 00:00:	00~23:59:59	9 Rapi			ß	0 🖬	 (•)
0 Peak	 Enter: Leave: 		number of pe											
0 Current number of people	Passing:			10:51:00	10:52:00	10:53:00	10:54:00	10:55:00	10:56:00	10:57:00	10:58:00	10:59:00	11:00:0	10
		All	rights reserv	ed. Tiandy Tec	hnologies Co.	, Ltd								admin

Figure 5.8.2.8

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.

	The number of people is displayed in real time according to			
Real-time Line Chart	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			
• 0	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

Tiandy	Home page Sys	stem configuration Real-time	preview Data statistics	Equipment management	③ ④ ⊕ − ♂ × 11.04.50
Face statistics	Real time stati Report statisti				
	Q	Type of report: Daily Report Statistics Output List Graphics	Date of statt 2020-11-23	Detail time	
		Statistical Time	Number of people entering	Number of people leaving	Number of people passing
		00:00-00:59			
		01:00-01:59			
		02:00-02:59			
		03:00-03:59			
		04:00-04:59			
		05:00-05:59			
		06:00-06:59			
		07:00-07:59			
		08:00-08:59			
		09:00-09:59			
		10:00-10:59			
		11:00-11:59			
		12:00-12:59			
		13:00-13:59			
		14:00-14:59			
		15:00-15:59			
A			All rights reserved. Tlandy Technologies C		admin

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

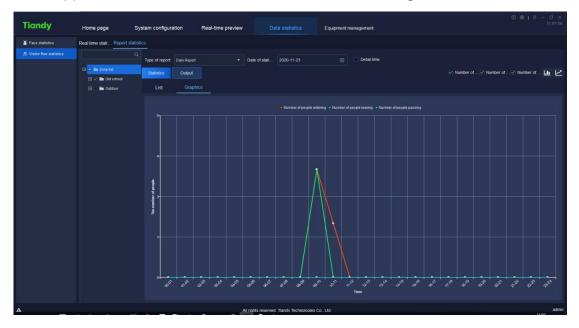


Select the report type and statistical time. If statistics need to be made according to the detailed time, enable the "detailed time" check box, and the statistics of the number of people in the detailed period will be displayed during the statistics. Click "export" to export the statistical data to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

Tiandy	Home page S	System configuration Real-time pre	view Data statistics	Equipment management	
Face statistics	Real time stati Report statis				
🙏 Visitor flow statistics	C	Type of report Daily Report Statistics Output List Graphics	Date of statt 2020-11-23	☐ ✓ Detail time 00 • : 00 •	
		Statistical Time	Number of people entering	Number of people leaving	Number of people passing
		69:0-10:59			
A			All rights reserved. Tlandy Technologies Co		admin

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

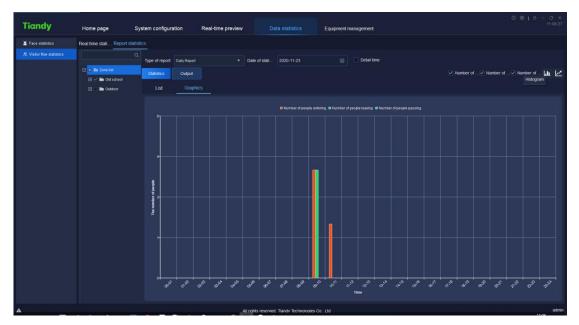


Figure 5.8.2.13

5.9. Alarm configuration

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

Tiandy	Home p	age			Intelligen	t search	Data statistics	Real-time preview	
	and the second second	linkage action	Copy to	All enable	ed All disable	d Advanced			
				Alarm grade					
Device List	~	Intelligent analys		4Grade 😐	•				
International		Intelligent an trackin	alysis of	4Grade 😐	•				
192.168.1.22 192.168.25.48		Intelligent analy statistic	sis of flow	4Grade 🧧	•				
192.105.25.40 192.168.16.222		Intelligent analy gatherir	sis of mass	4Grade 😐	•				
		Intelligent analy post detec	sis of off-	4Grade 🧕	•				
		Intelligent analys	sis of water	4Grade 😐	•				
		Intelligent analys diagnost	sis of audio	4Grade 🧧	•				
		Intelligent analy shelterir	isis of face	4Grade 😐	•				
		Intelligent analys parking	is of illegal	4Grade 😐	•				
		Intelligent an vigilanc	alysis of	4Grade 😐	•				
		Intelligent analysi license plate re-		4Grade 🧧	•				
		Intelligent an parking gi		4Grade 😐	•				
		Intelligent analysi detection alg	is of helmet	4Grade 🧧	•				
		Intelligent an wearing the	alysis of	4Grade 😐	•				
		Intelligent analy wearing the	ysis of nat	4Grade 🧧	•				
		Warning per		3Grade 😐	•				
		Warning single		3Grade 🧧	•				
		Alarm on intellige body tempe		4Grade 😐	•				
vice		Comparison		4Grade 🧕	•				
		Strangers call t		4Grade 😐	•				
pre counting alea							served. Tiandy Technologies C		

5.9.1. Alarm configuration of watch point



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:

Set the linkage action			×
Alarm Type Intelligent analysis of	f video case diagn	ostics	
Coordinated 🗌 Audio alarr	Default audio-1		▼
Add Delete			
Target		e-view (Delayed recording
192.168.16.221-192.168.16.2	21-Channel 1	5	0
ок	Cano	el	

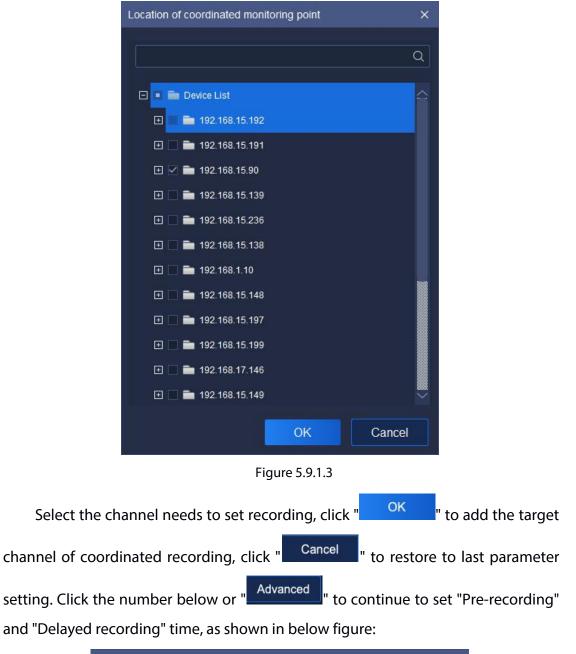
Figure 5.9.1.2

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:



Advanced				×		
Channel name	192.168.25.48-192.168.25.48-Channel 1					
Pre-recording interva	als (s)	0	•			
Post recording time(s)			•			
			ОК	Cancel		
		-				

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:

Copy to	×
Alarm Type	Selected 3 event
elect the parameters to be c	Enabled status
	✓ Coordinated client action
	Coordinated monitoring point
Copy to	Q
	🖂 🗖 Device List
	∃ 192.168.1.22
	∃ 192.168.16.222
	OK Cancel

Figure 5.9.1.5



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

Tiandy	ŀ	Home page	Alarm cor	nfiguration	Intelligent	search	Data statistics Real-time preview		0 ● ⊕ − ♂ > 16:28:4
Monitoring point		Set the linkage act	ion Copy to	All enable	ed All disabled	Advanced			
Device	•	- Ala	irm Type	Alarm grade	Enabled	Operation	Coordinated client action	Coordinated monitoring point	
192.168.1.22)nline	3Grade •		Set	No	No	
192.168.16.222			Offline	1Grade	-		No	No	
192.168.25.48									
			loss alarm	1Grade 🗕	•				
			unit exception		•				
			ception rite error on unit	1Grade 😐	•				
			ception	2Grade 😐	•				
			in unit exception	2Grade 😐	•				
		on uni	redundant disk it exception	2Grade 😐	•				
		detection o	dress conflict n unit exception	2Grade 😐	•				
		ex	eption on unit ception	2Grade 😐	•				
			p exception on exception	2Grade 😐	•				
			oading on unit ception	2Grade 😐					
		Recording e	exception on unit	1Grade 😐	•				
		Hard disc 9	Smart exception	2Grade 😐					
		hard dise	c temperature ation alarm	2Grade 😐	•				
eople counting area									
						All rights re	served. Tiandy Technologies Co., Ltd		adı

5.9.2. Alarm configuration of the device



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

Tiandy	Home page	lome page Data statistic		Stics Equipment management		Alarm configuration		
Monitoring point	Set the linkage a	action Copy to	All enabled	All disabled	Advanced			
Device		Alarm Type	Alarm grade	Enabled	Operation	Coordinated client a	action	Coordinated mor
People counting area	✓ Ca	apacity exceeded	1Grade 🛑	•	Set	No		No
🙁 westdoor		Alarm for surge	1Grade 😐	•	Set	No		No
A			All rights re	eserved. Tiandy Teo	chnologies Co., Lt	d		admir

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 ion home page to enter the operation log

interface. Login log, operation log and configuration log query supported, as shown in below figure:

-							
Tiandy	Home page	Operation logs	Alarm configuration	Intelligent search	Data statistics	Real-time preview	
Starting time	2020-11-27 16:00:00	Endin	g time 2020-11-27 23:59:59		User Name	Imin	
Log Type Al		Detane	d Type All		Log description		Query Reset
	Operation time			Log Type		Detailed Type	Log description
	2020-11-27 16:04:44						Users: admin People counting statistic module starts previe
	2020-11-27 16:04:40			Operation		Start preview	Users: admin People counting statistic module starts previe
	2020-11-27 16:04:40	admin		Operation		Stop preview	Users: admin People counting statistic module stops previe
							Users: admin People counting statistic module starts previe
	2020-11-27 16:04:37	admin		Operation		Stop preview	Users: admin People counting statistic module stops previe
			Total9Piece Total1Page	50ltems/pa ▼ < 1 >	To 1 Page		
A			All righ	ts reserved. Tiandy Technologies C	o, Ltd		adm

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