

## How to Configure Skin-surface Temperature

- Applicable to  
HikCentral Professional: V1.6.0027.20200610  
pStor: 1.4.1

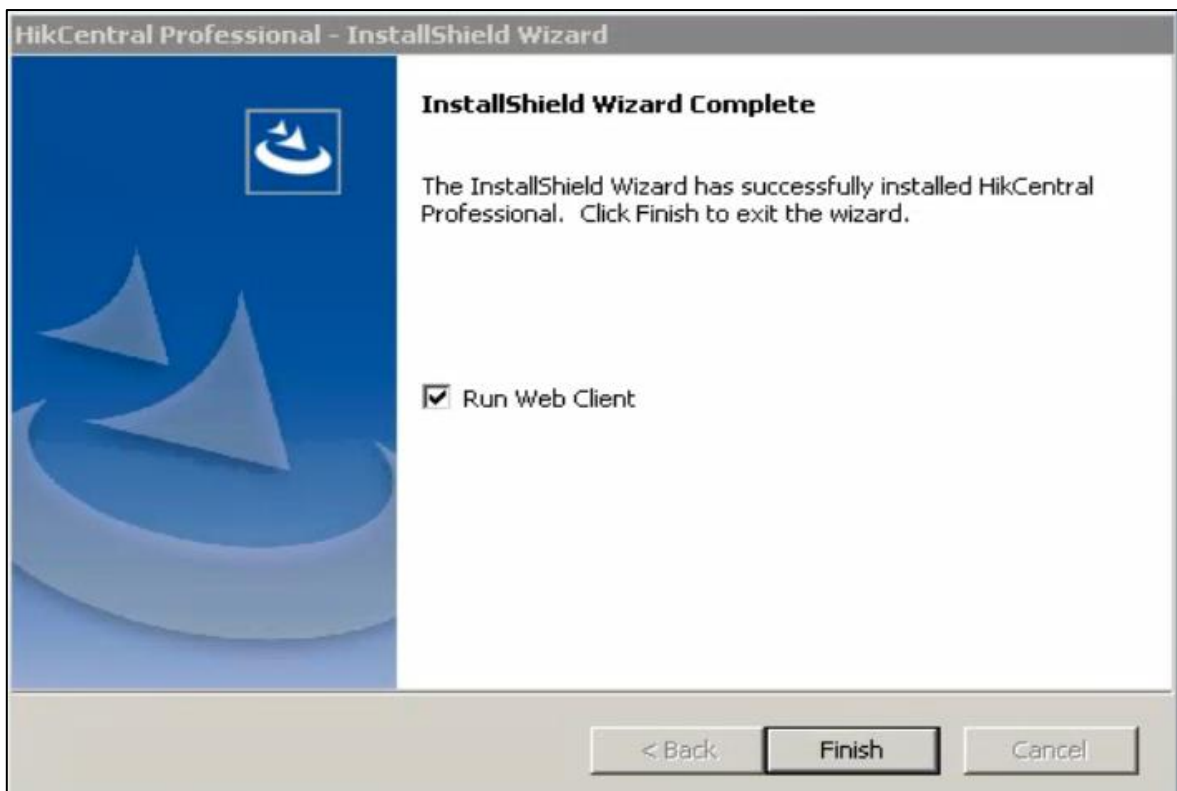
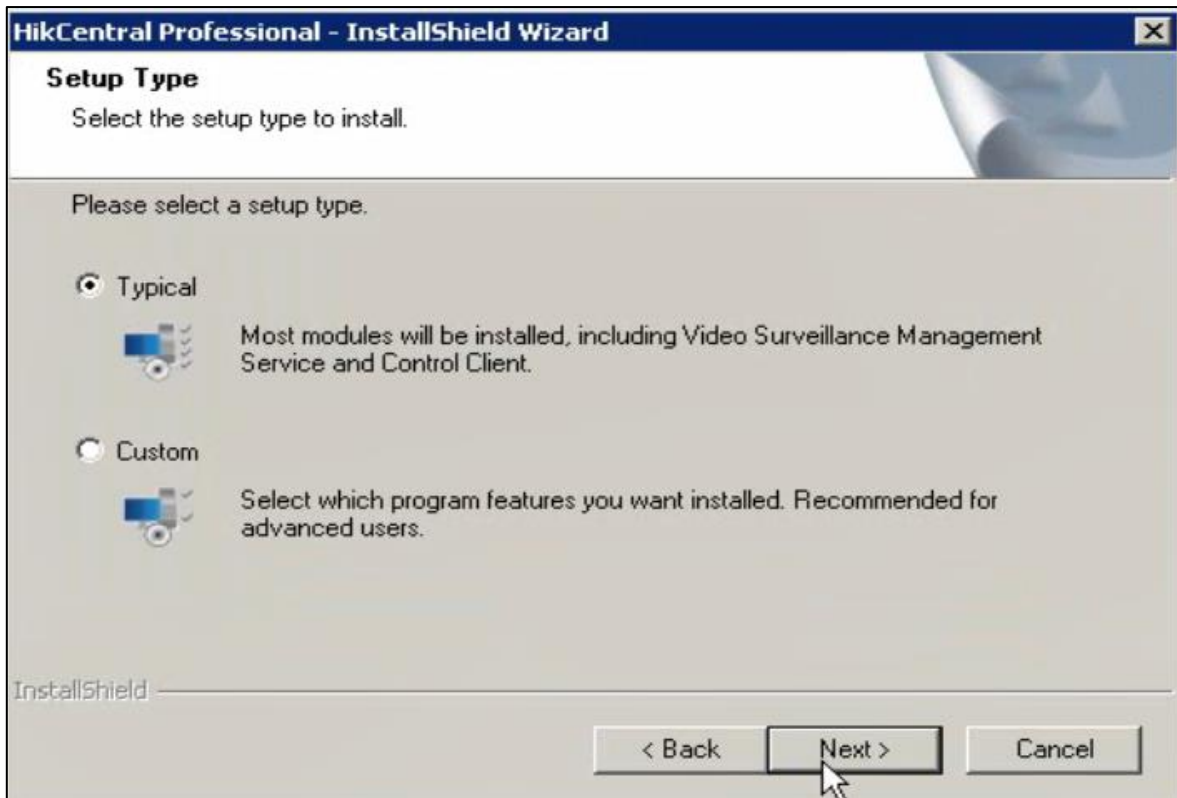
### 1. HikCentral Professional Installation

Installation

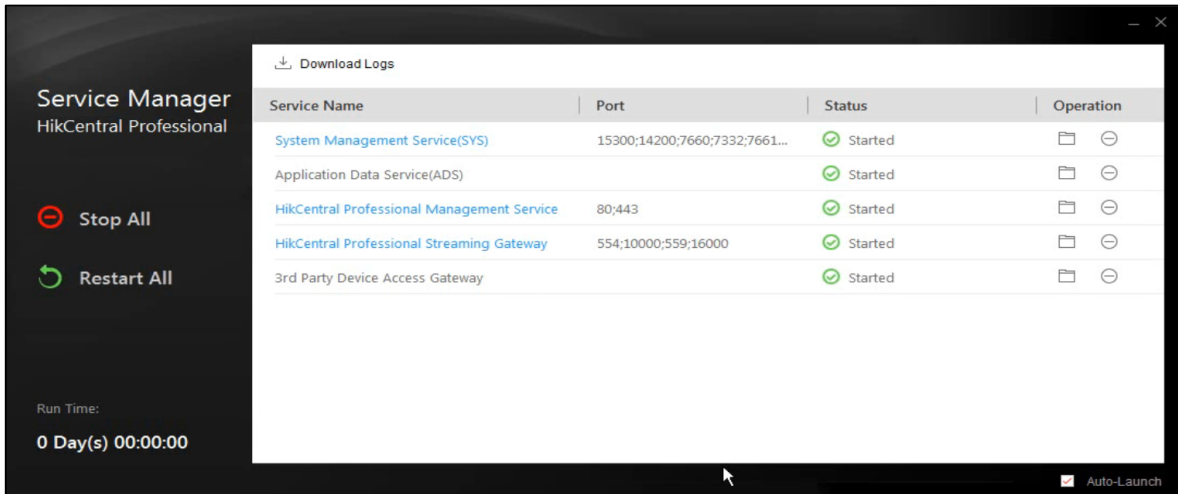
1. Run the installation package with administrator permission



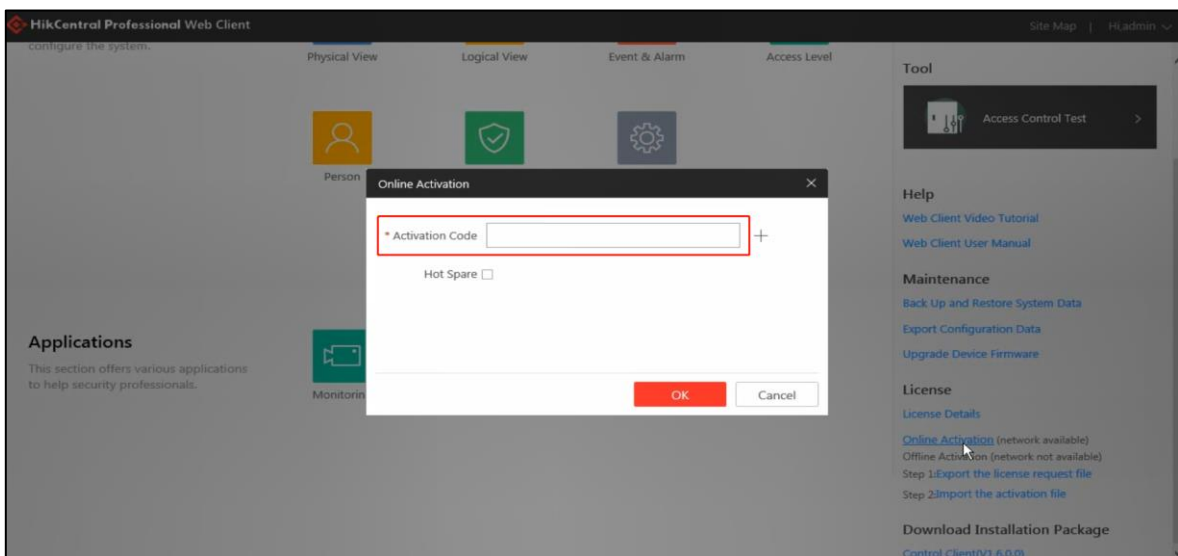
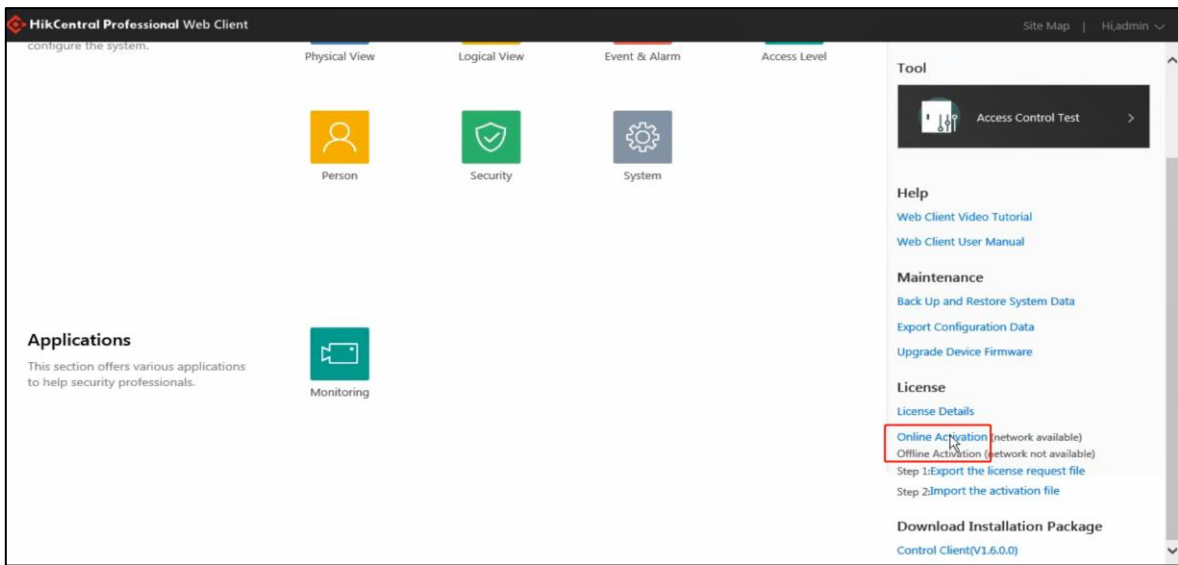
2. Select 'Typical' mode and follow the Wizard



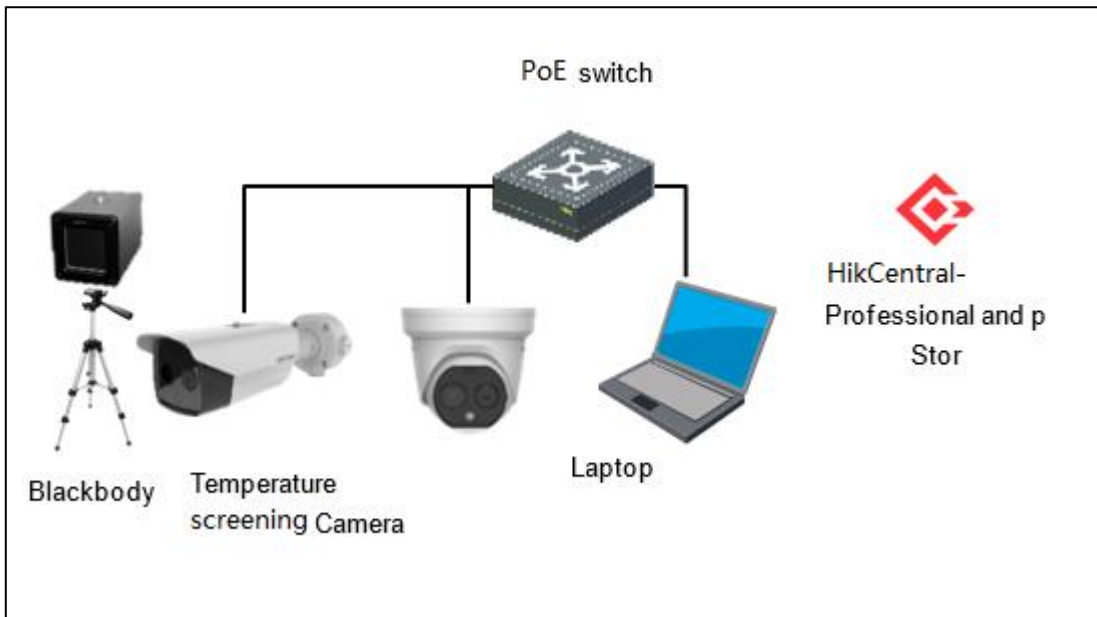
3. Check running status



4. Activate HikCentral with activation code.

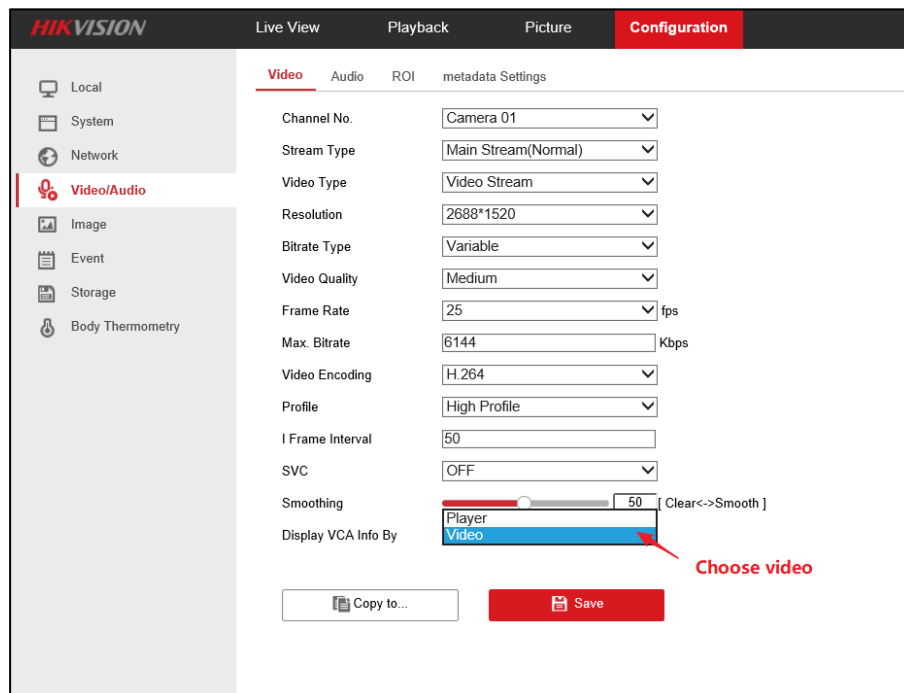


## 2. Configuration for Temperature Screening with Fast Deployment

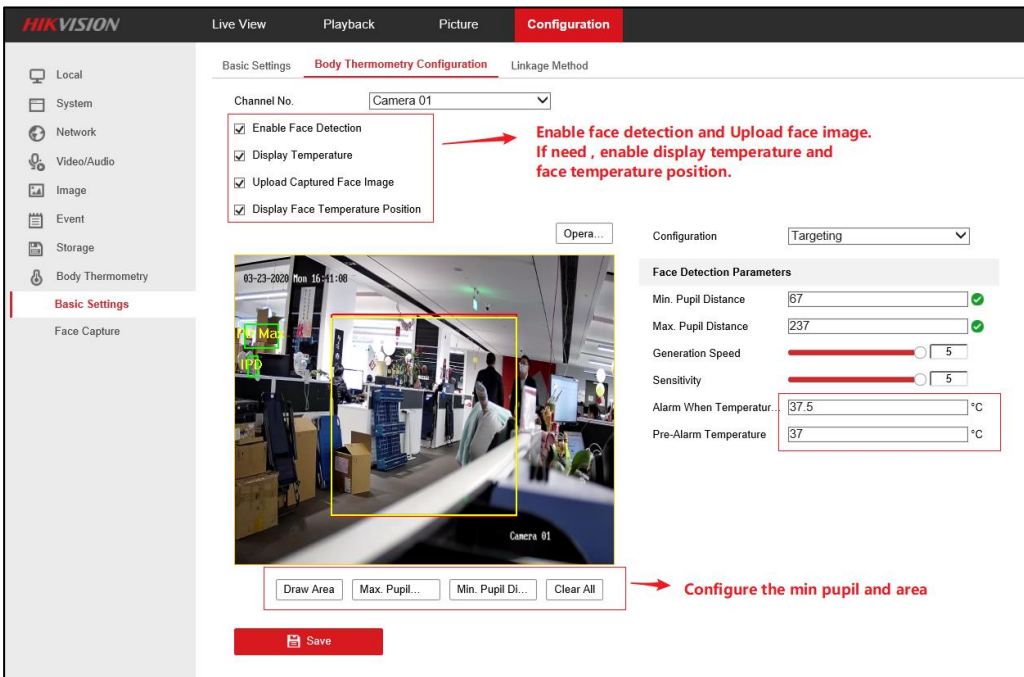
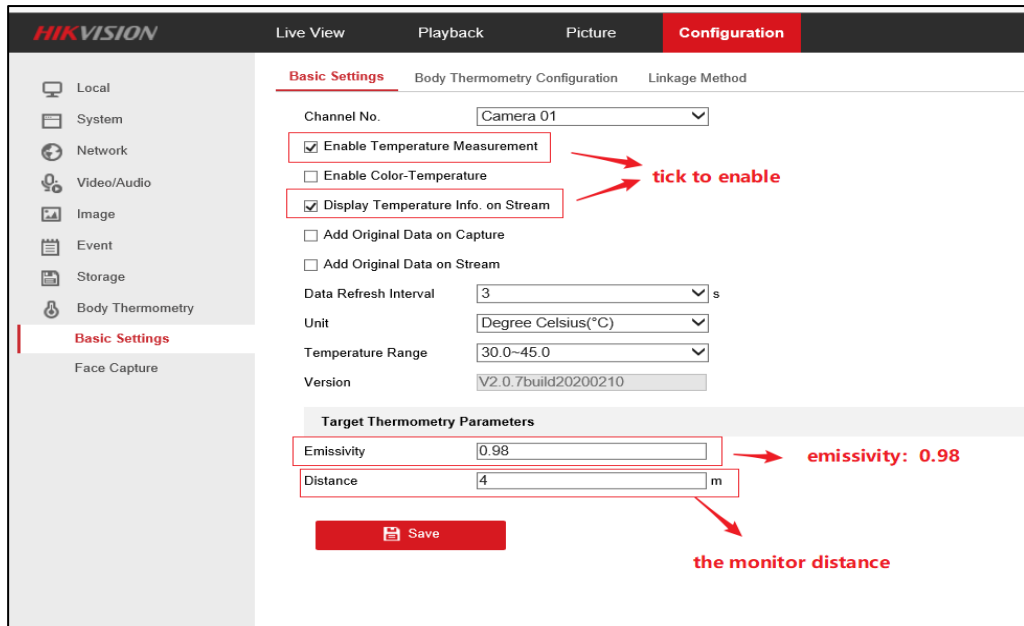


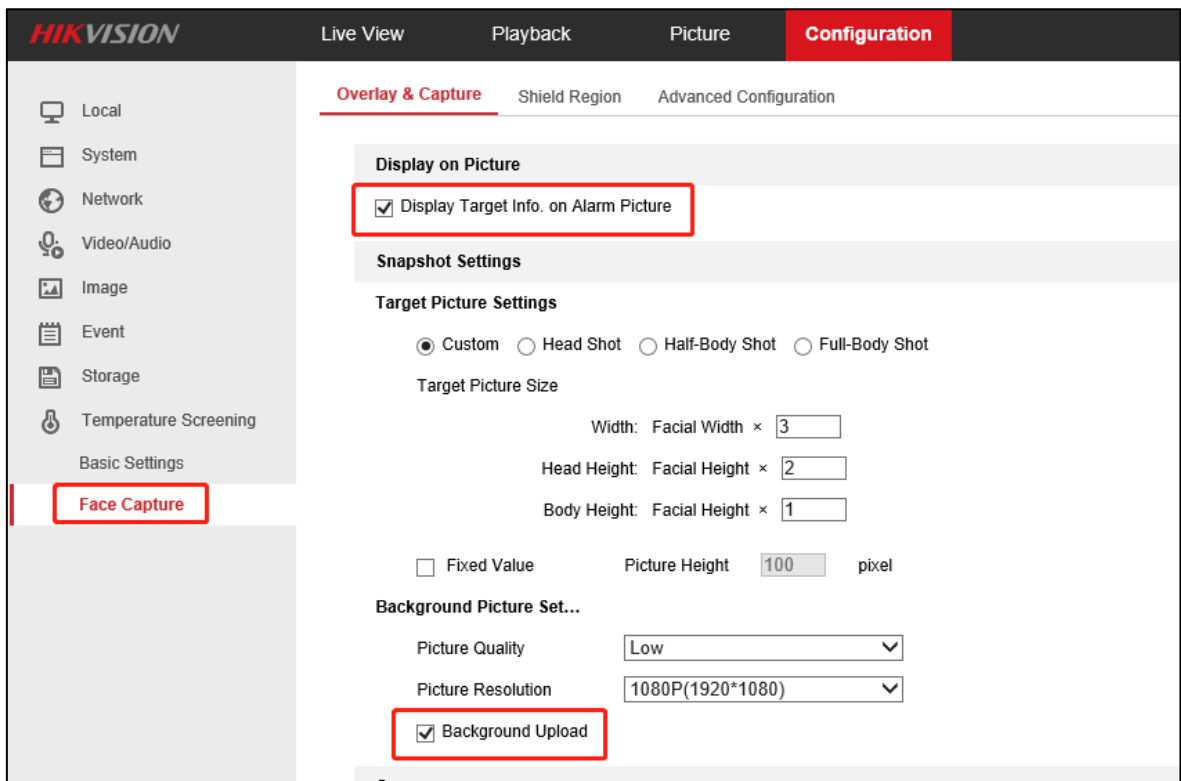
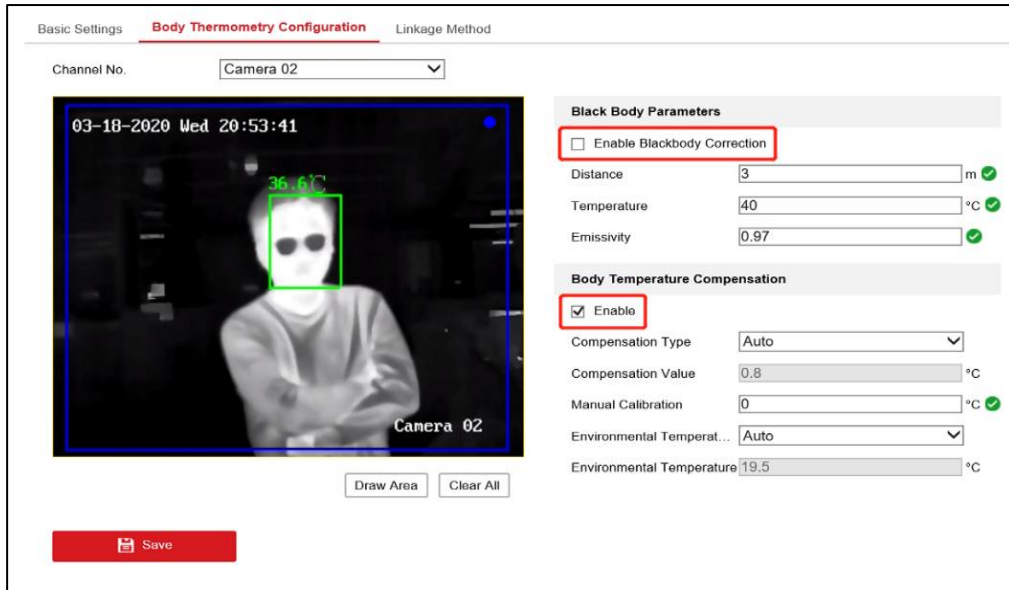
### 2.1 Configuration on Thermal Camera Device

1. Log into the website of thermal camera.
2. Go to Video/Audio page, set Display VCA Info By to video.



### 3. Skin-surface Temperature Setting



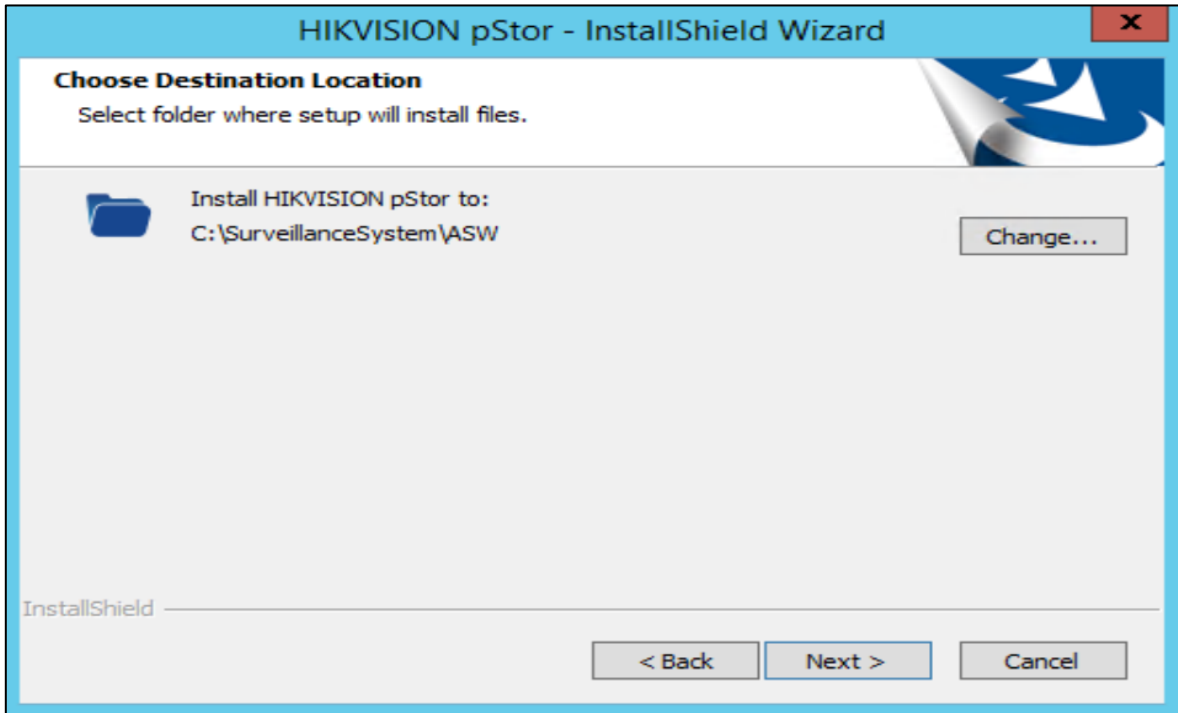


## 2.2 Configuration on Web Client

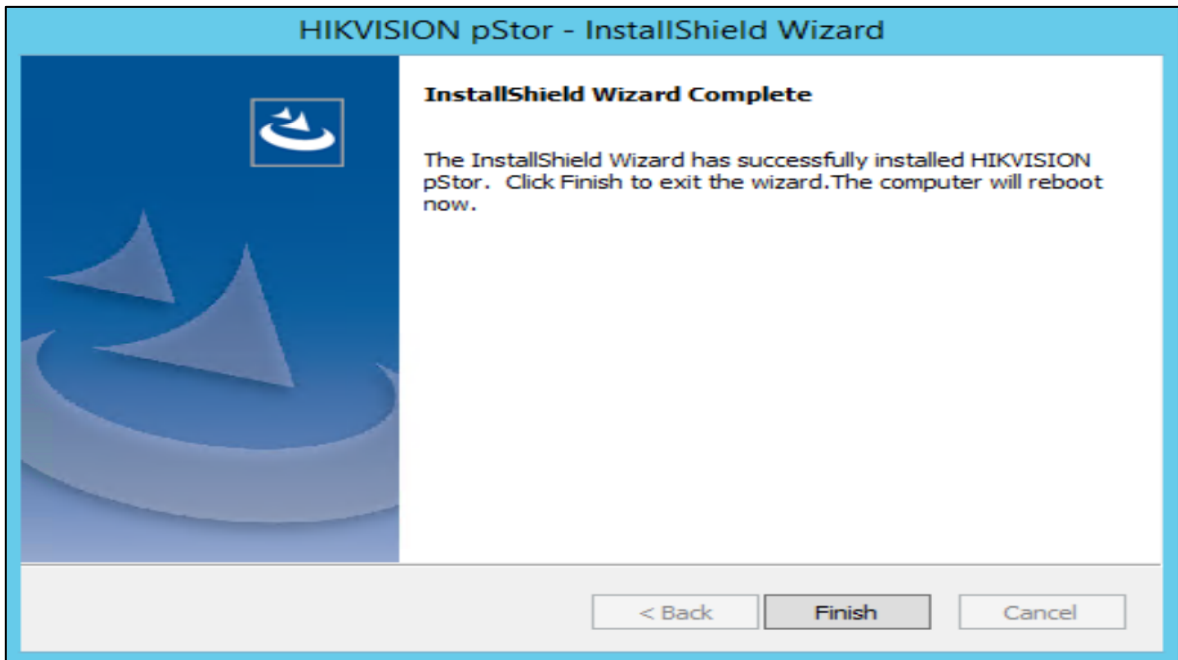
### 2.2.1 pStor Configuration (Optional)

#### 1. Installation

1. Run the installation package of pStor with administrator permission.



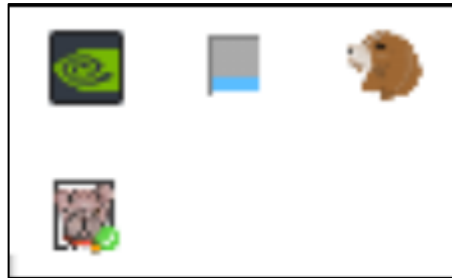
2. Finish installation



Note:

1. pStor has an independent Watchdog, which supervises two services, Hikvision pStor and Hikvision pStor Stream Media Service. You can check those two servers running in Services.

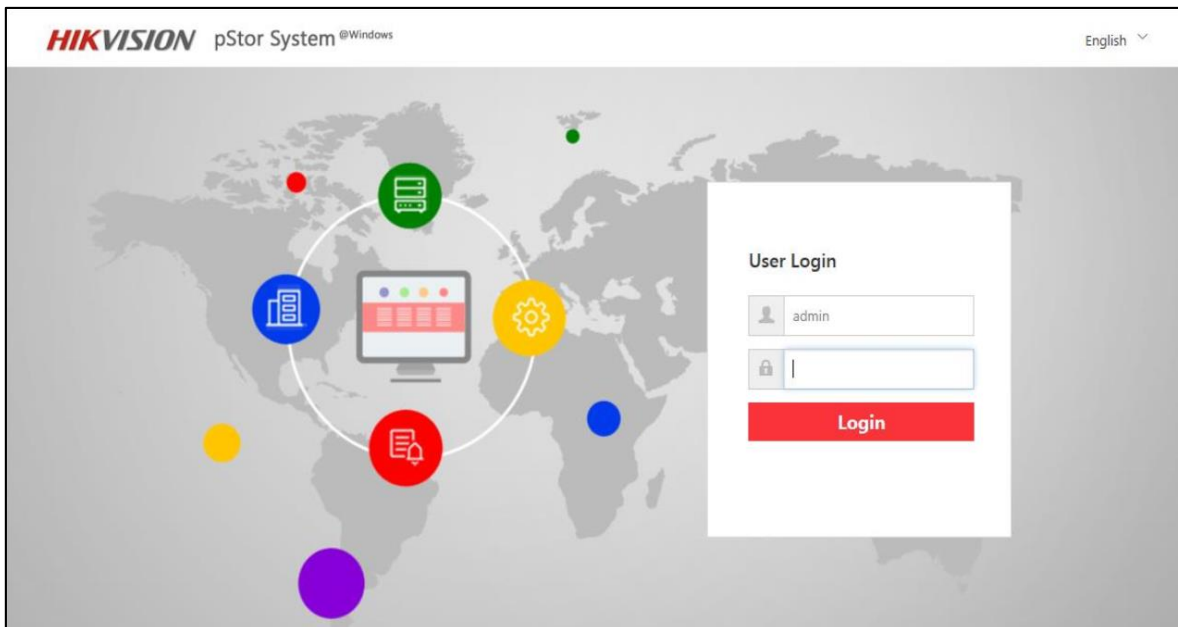
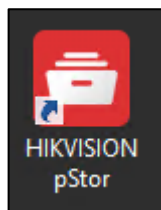
2. pStor's Watchdog and HikCentral Watchdog do not affect each other when they are deployed on the same server.



## 2. Configuration for pStor

### 1. Login

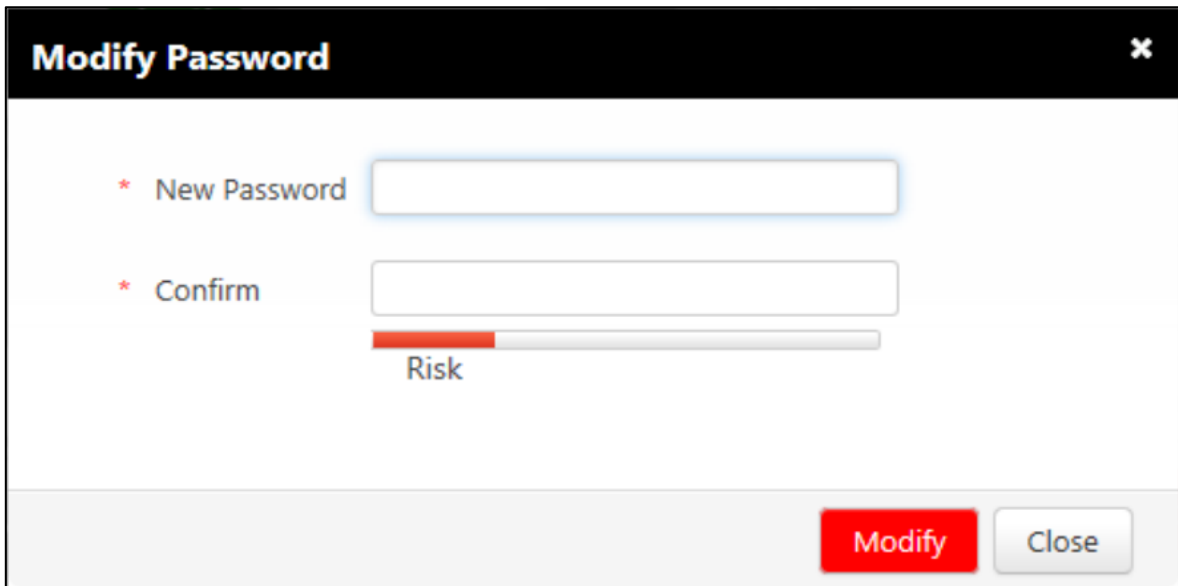
1.1 Open a browser and access the web client of pStor through [https:// server IP:6060](https://server IP:6060). Or you can open the web client by double-clicking the pStor icon on the desktop



1.2 The default password is HIK88075998. After input, it will be prompted to reset the password. The strength of the new password needs to reach Strong, and it cannot



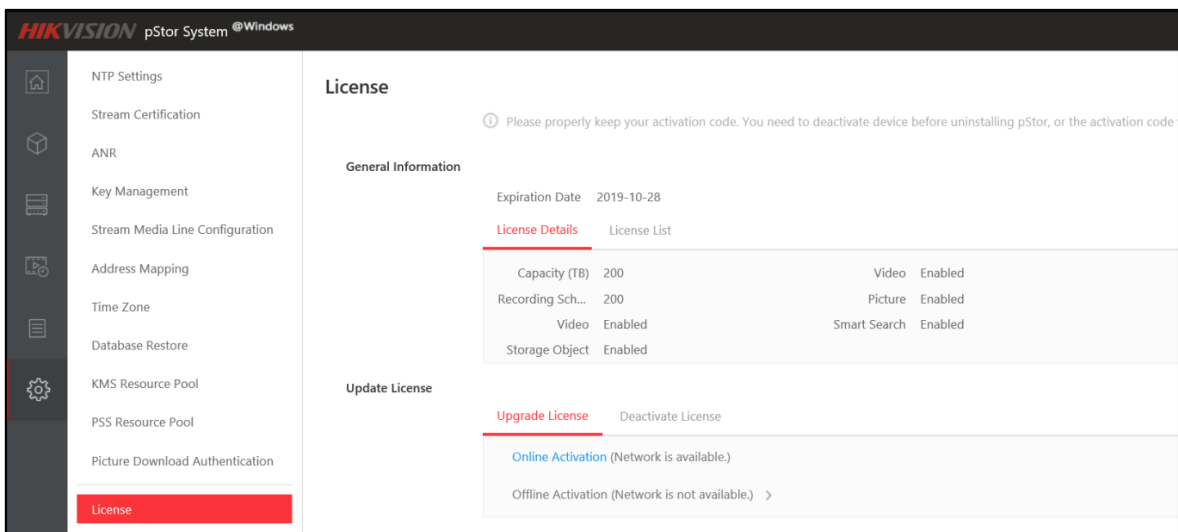
be the same as the original default password.



### 1.3 Check the license of pStor

#### System Management -> License

**Note:** The newly installed pStor has a one-month trial period. It supports 20TB storage space and 8 recording schedules. The activation operation is same as HikCentral. The license in the project should be obtained from the corresponding pre-sale.



## 2. Define Storage Space

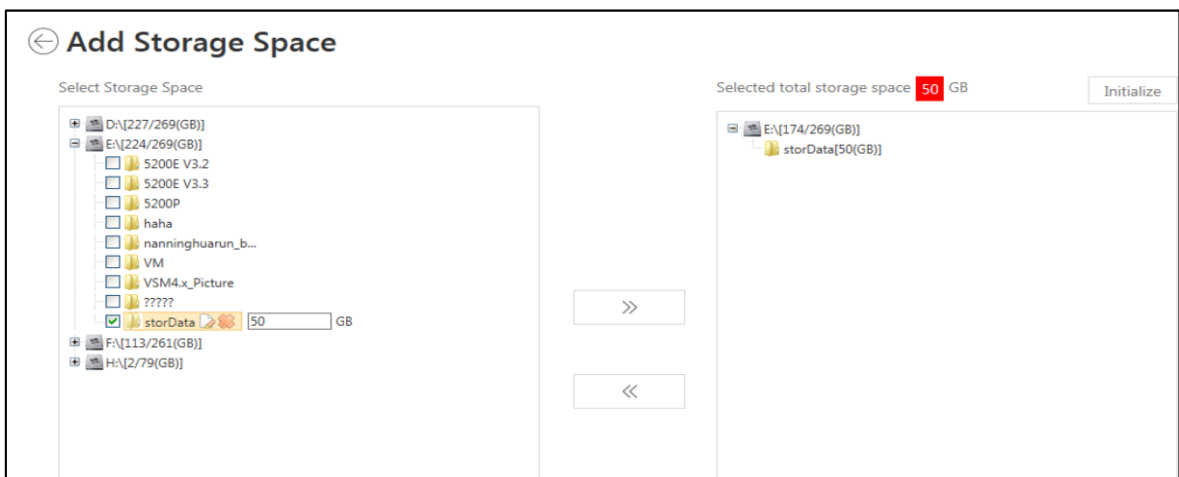
Click **Wizard** -> **Add Storage Space**.



Select a disk name and double-click it. A flag appears after that. Click on a new folder. The default name is 'storData'. Or expand the disk directory to select the existing folders (only the first-level folders with English or numeric names are displayed here), and then enter the capacity in GB. The folder can also be renamed

(does not support Chinese/:\*? "< > |). Click the button  to

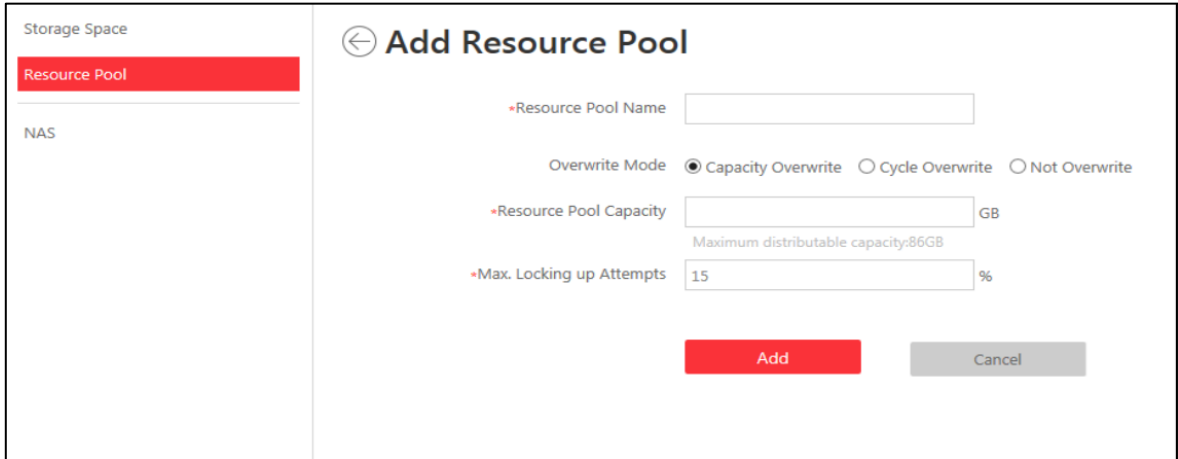
move the folder to the selected storage space on the right, and click **Initialize** to format this folder and create the space to storage



### 3. Define Resource Pool

Click **Wizard** -> **Add Resource Pool** -> Enter the name of the resource pool -> Select the Overwrite mode -> Enter the corresponding parameters.

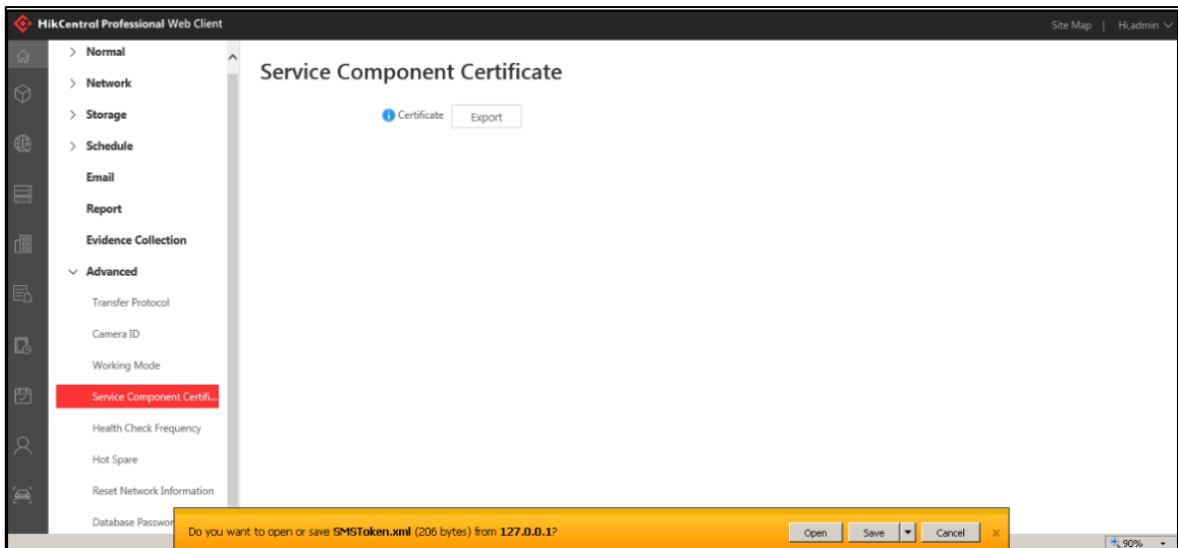
**Note:** Some of the capacity is reserved, and the available pool capacity is about 90% of the total storage space. **Max. Locking up Attempts** is the lock upper limit, which means that only n% at most of the videos can be locked.



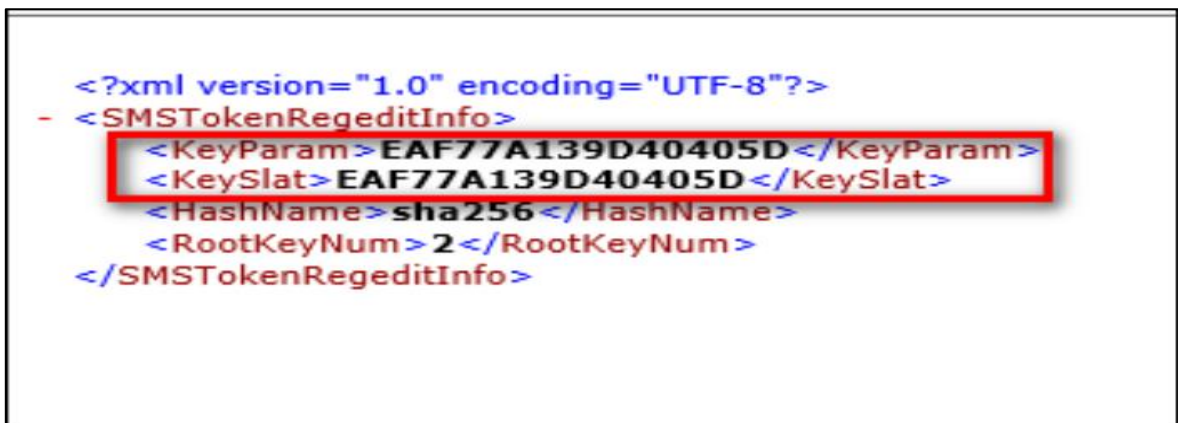
4. Stream encryption settings on pStor

4.1 Go to HikCentral web client on the server installed with HikCentral

System -> Advanced -> Service Component Certificate -> Export -> Open

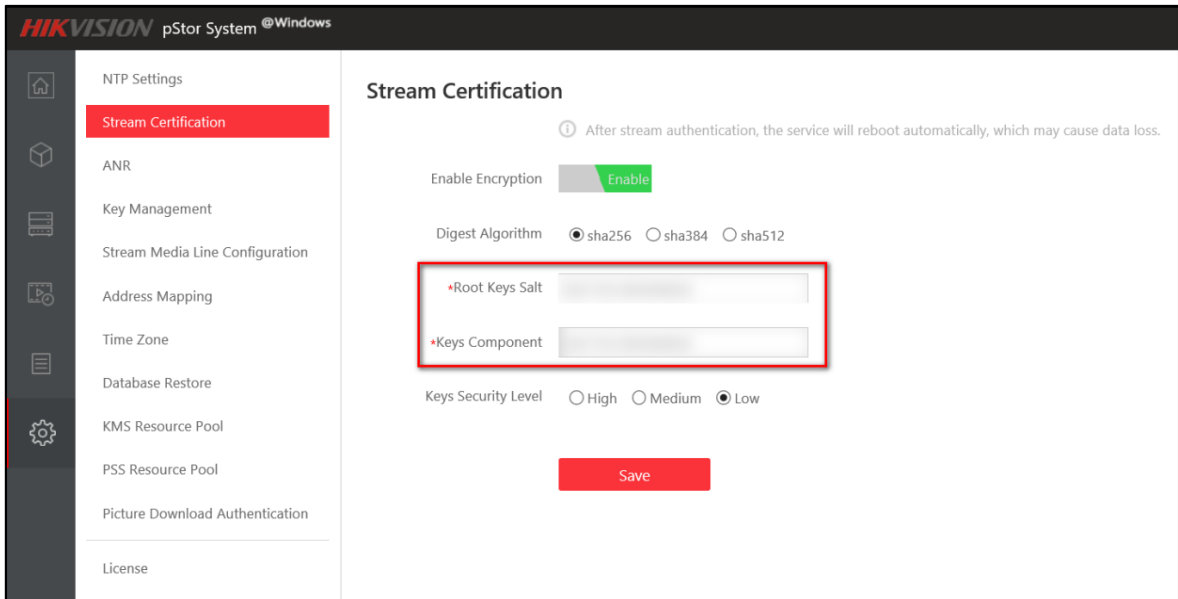


Copy the following two parameters (KeyParam & KeySlat).



4.2 Go to pStor web client

System Management -> Stream Certification -> Turn Enable Encryption switch to ON -> Set the Digest Algorithm to sha256 -> Paste KeyParam into Root Keys Salt box -> Paste KeySlat into Keys Component box -> Set Keys Security Level to Low



4.3 Click Save

## 5. Add pStor to HikCentral

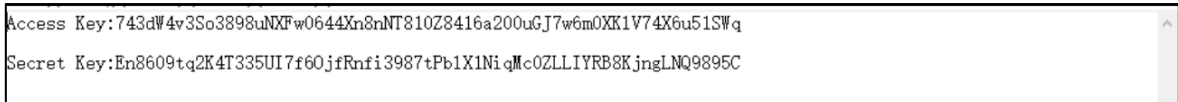
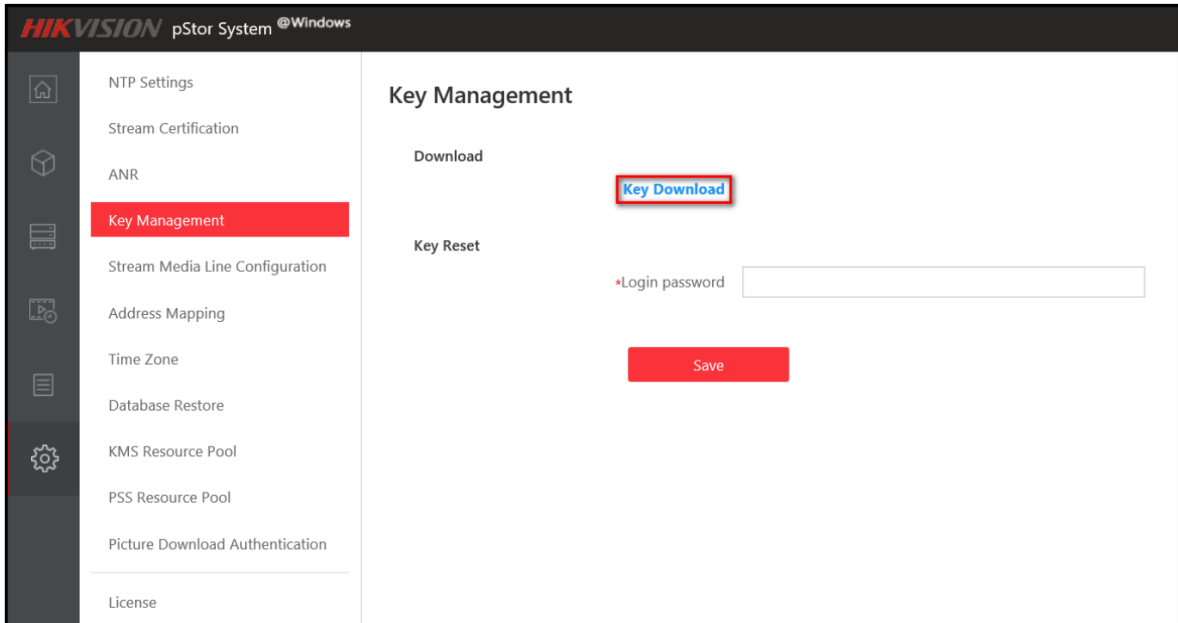
Go to HikCentral web client

Physical View -> Recording server -> Add. Fill in the appropriate parameters.

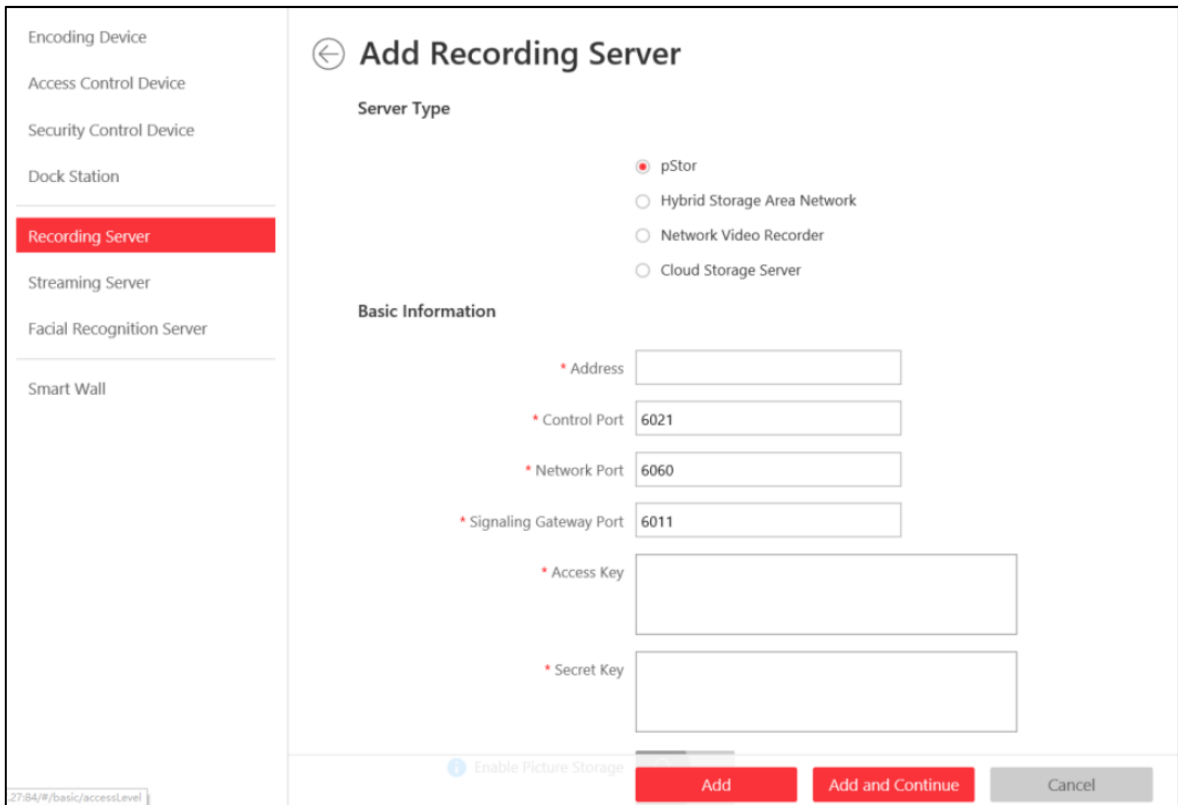
- Get Access Key & Secret Key

Go to pStor Web page

System Management -> Key Management -> Key Download -> Open



Copy these two parameters (Access Key and Secret Key) and then paste them into corresponding box of Add page.

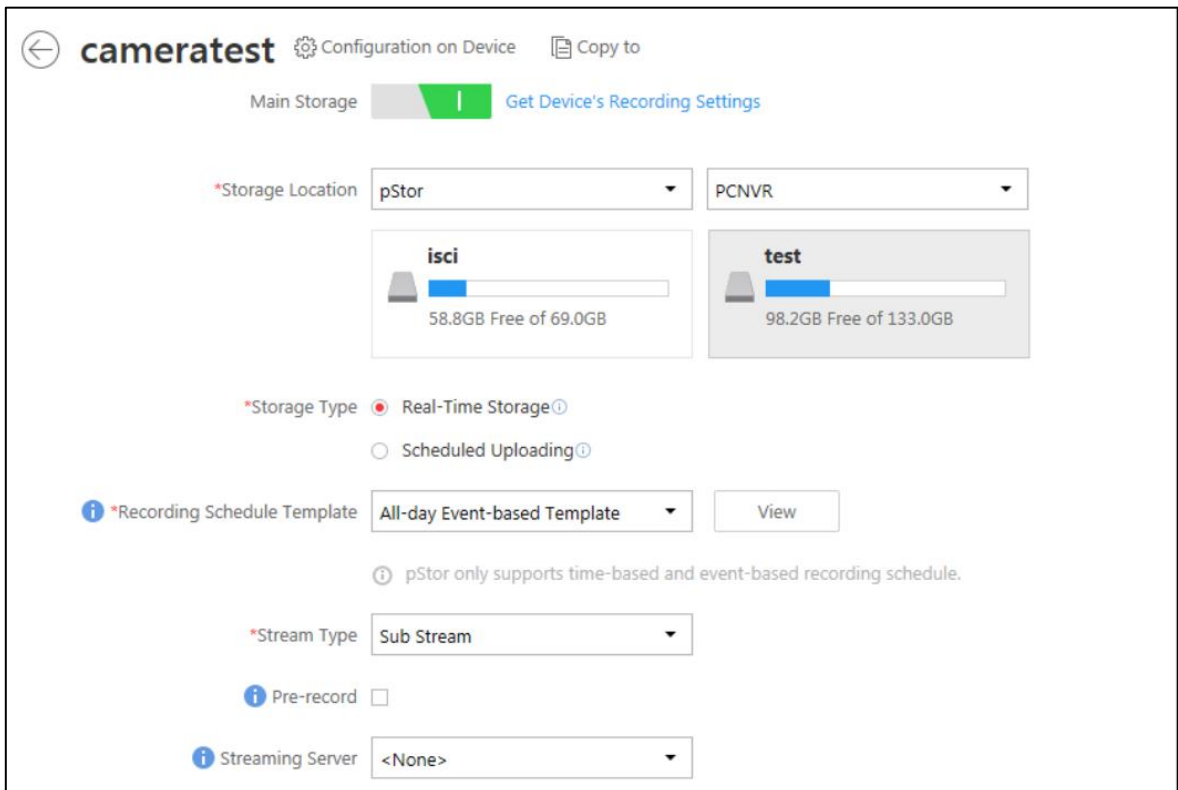


**Note:** If you need to use pStor to store pictures, open Enable Picture Storage and

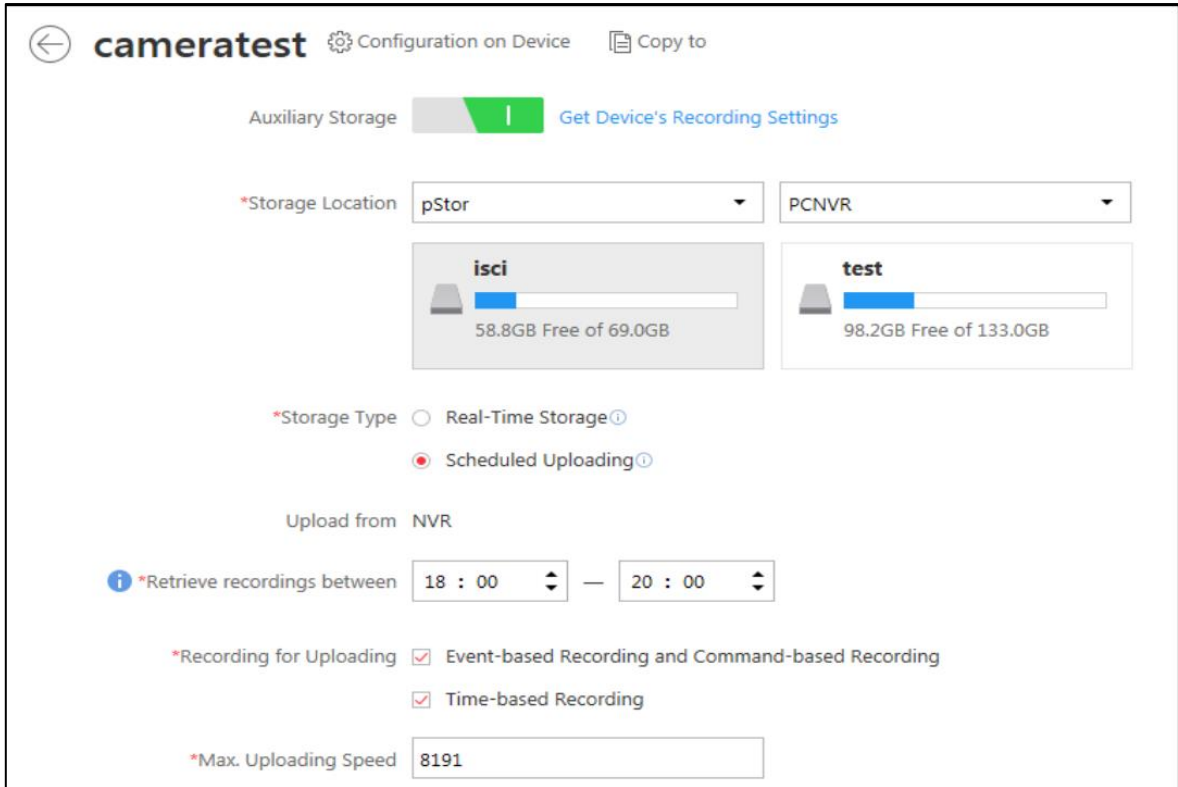
make sure that you enter HikCentral's SMS Token in the stream Certification of pStor before adding it. Otherwise the addition will fail. The addition process requires bidirectional authentication, that is, the key of pStor is the input in HikCentral, and the SMS Token of HikCentral is the input in pStor, which is indispensable.

### 6. Configure Recording Schedule

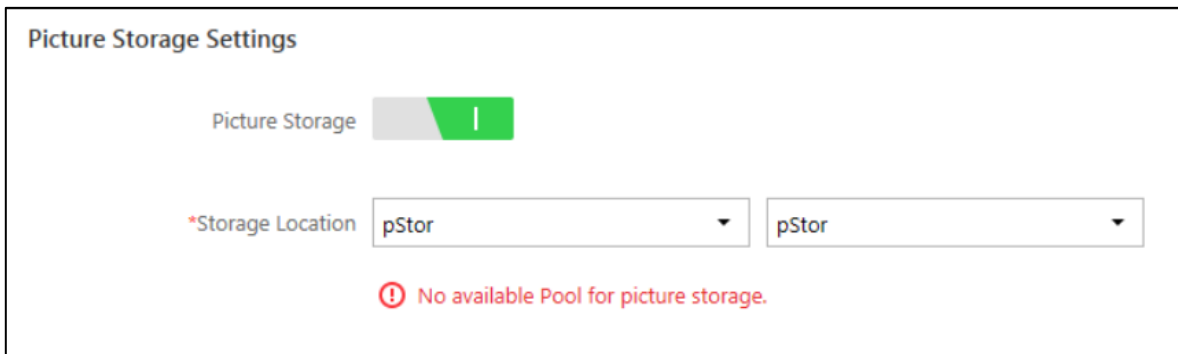
When configuring Main Storage, choose pStor. You can only choose Real Time Storage for Storage Type. Video template does not support command-based type, which is unavailable when configuring recording schedule.



Scheduled Uploading is supported for Device local returns and pStor when configuring Auxiliary Storage.



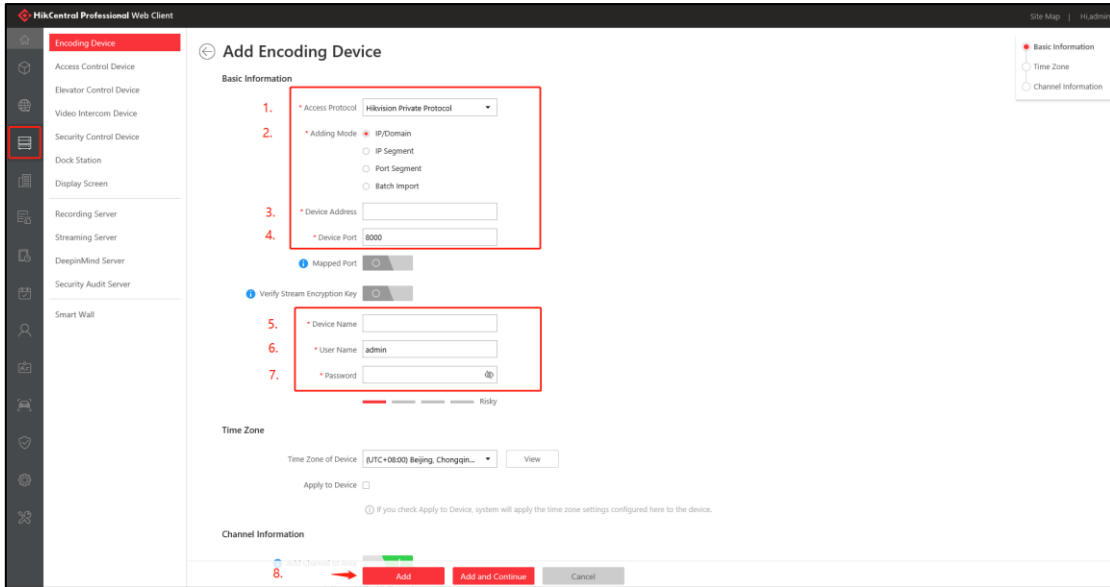
Configure the Picture Storage. If you open the Picture Storage for pStor when adding pStor, you can select pStor as the picture storage location. Otherwise, it prompts that there is no available image storage pool.



**Note:** If pStor and HikCentral are installed on the same PC and videos need to be stored on the PC, saving with 2 channels is recommended for i5-16G configuration

### 2.2.1 Add Thermal Camera

Go to Home Page/Physical View/Encoding Device. Click **Add** to add Thermal Camera

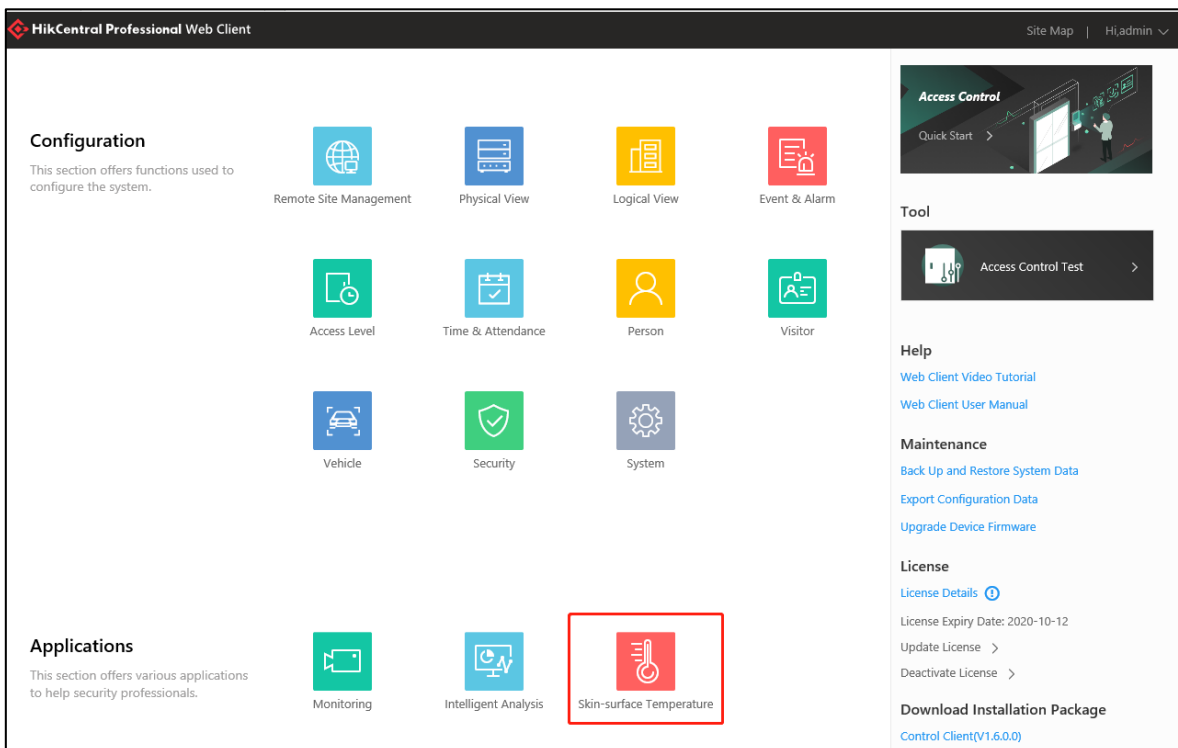


**Note:** ISUP 5.0 supports upload thermal camera's temperature screening data.

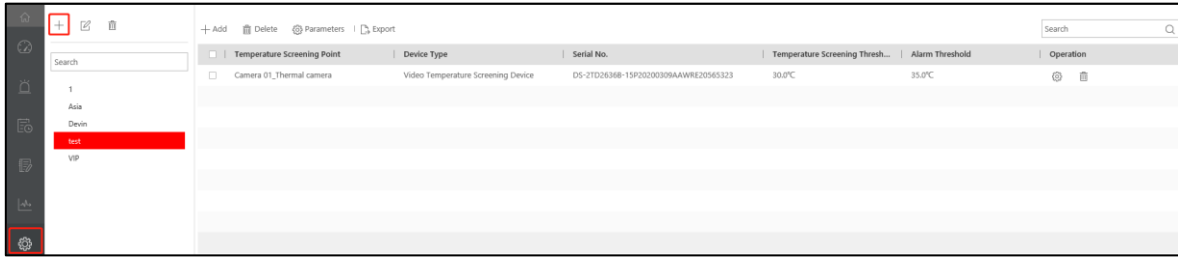
## 2.2.2 Skin-surface Temperature Configuration

### 1. Add Thermometry Point Group

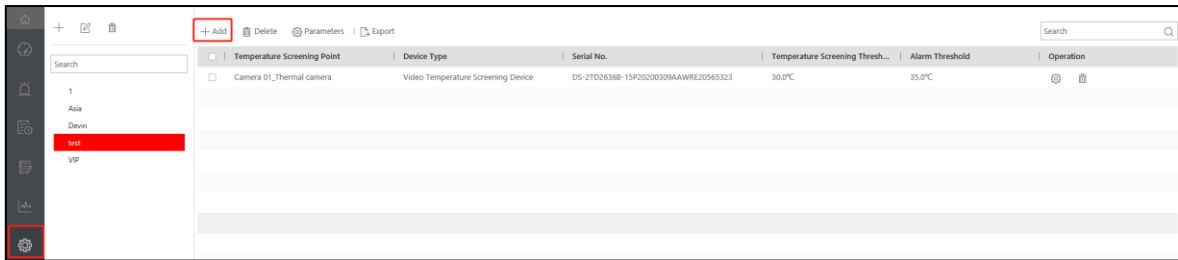
Go to **Home page/Skin-surface Temperature/Configuration**, add Temperature Screening Point Group



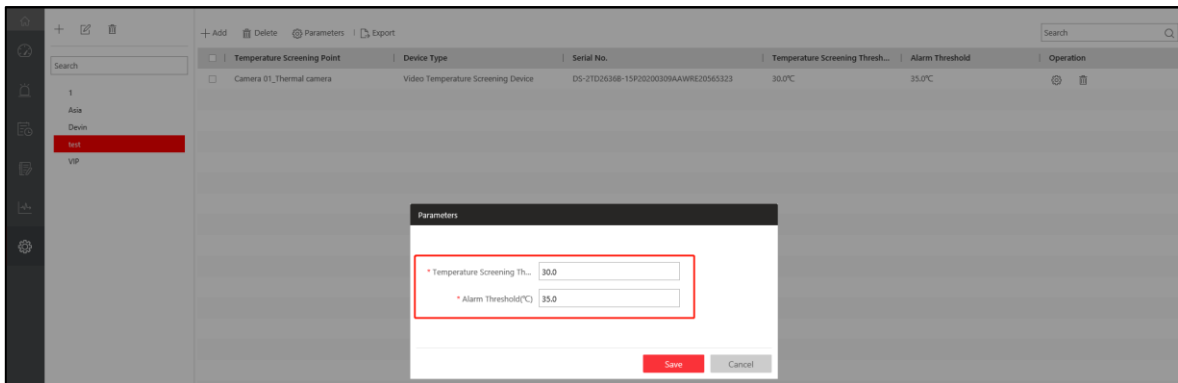
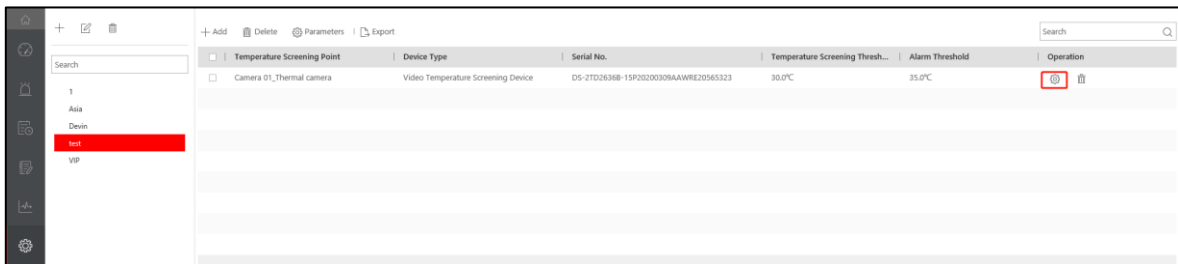




## 2. Add Temperature Screening Point



Click remote configuration and set temperature Threshold



**Temperature Screening Threshold:** When Temperature is above this Threshold, device will upload Temperature data to the Platform.

If the Temperature is between Thermometry Threshold and Alarm Threshold, device will upload Temperature data to Platform as Normal Temperature.

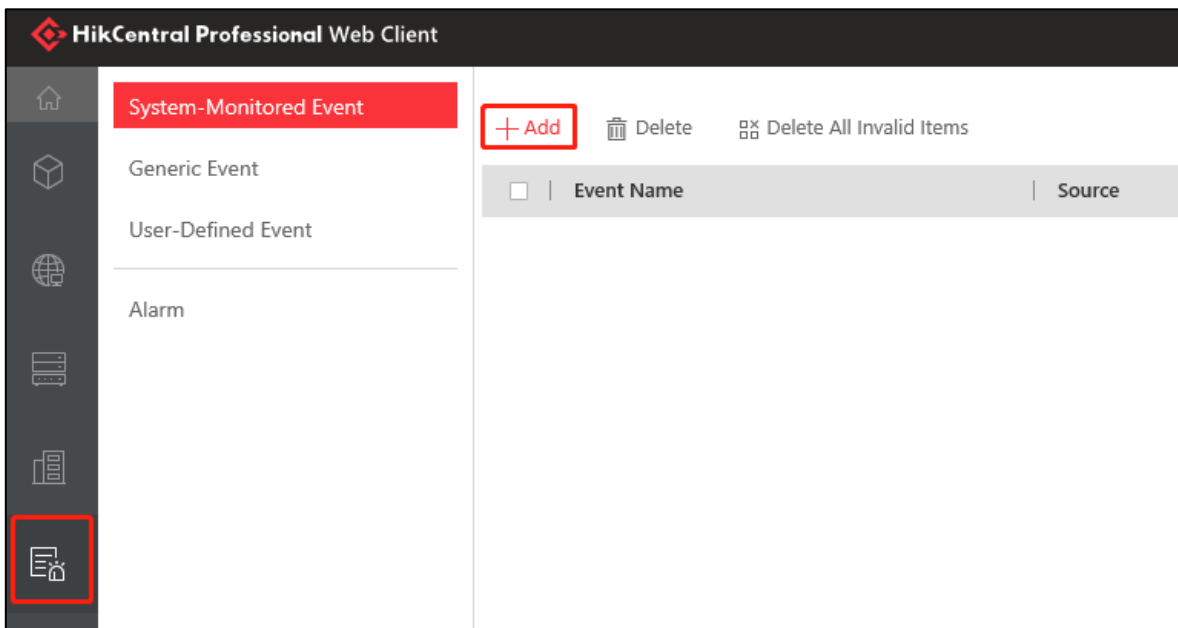
**Alarm Threshold:** When Temperature is above this Threshold, device will upload

Temperature data to Platform as alarm. It means the Temperature is Abnormal.

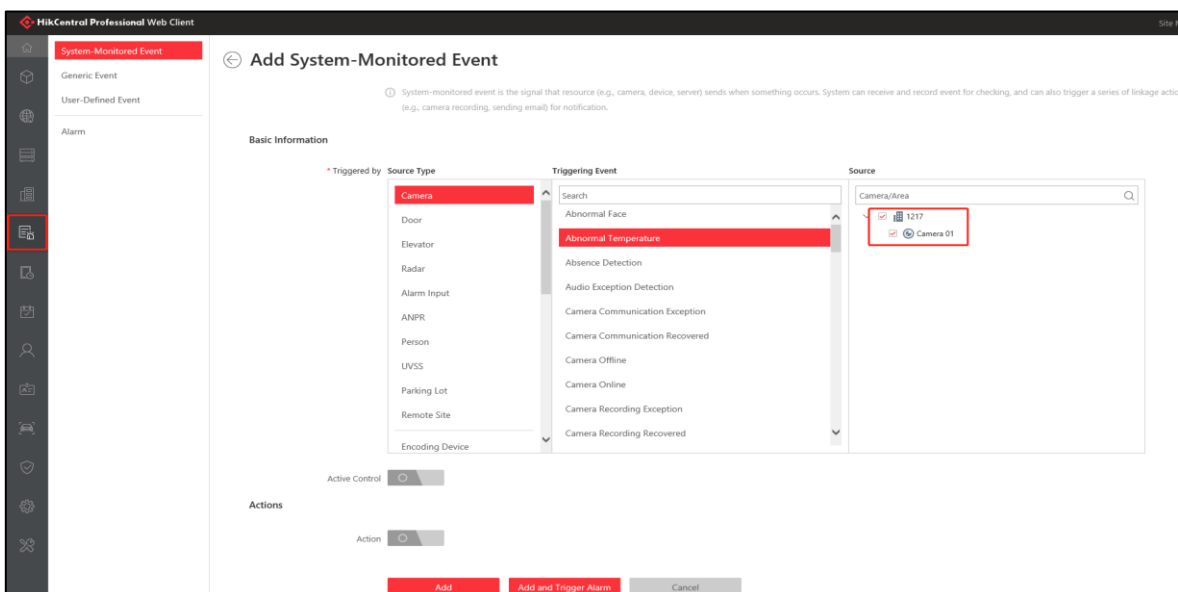
**Note:** If the point you are adding is the channel of DeepinMind NVR, setting threshold is not supported here. Please configure the settings on camera website.

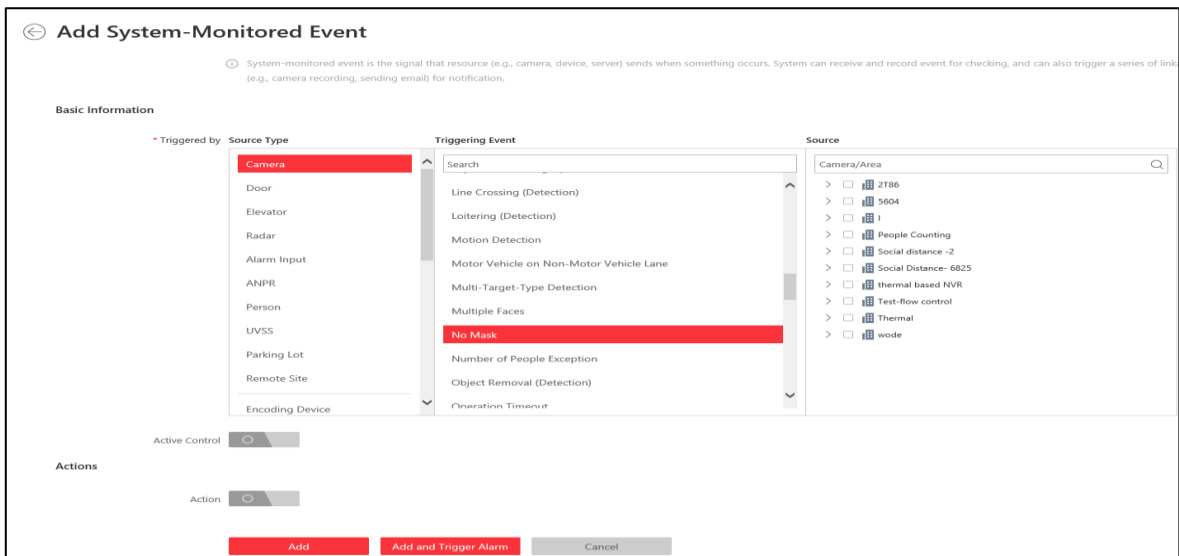
### 2.2.3 Event & Alarm Configuration

Go to Home Page/Event & Alarm/ System-monitored event. Click Add.

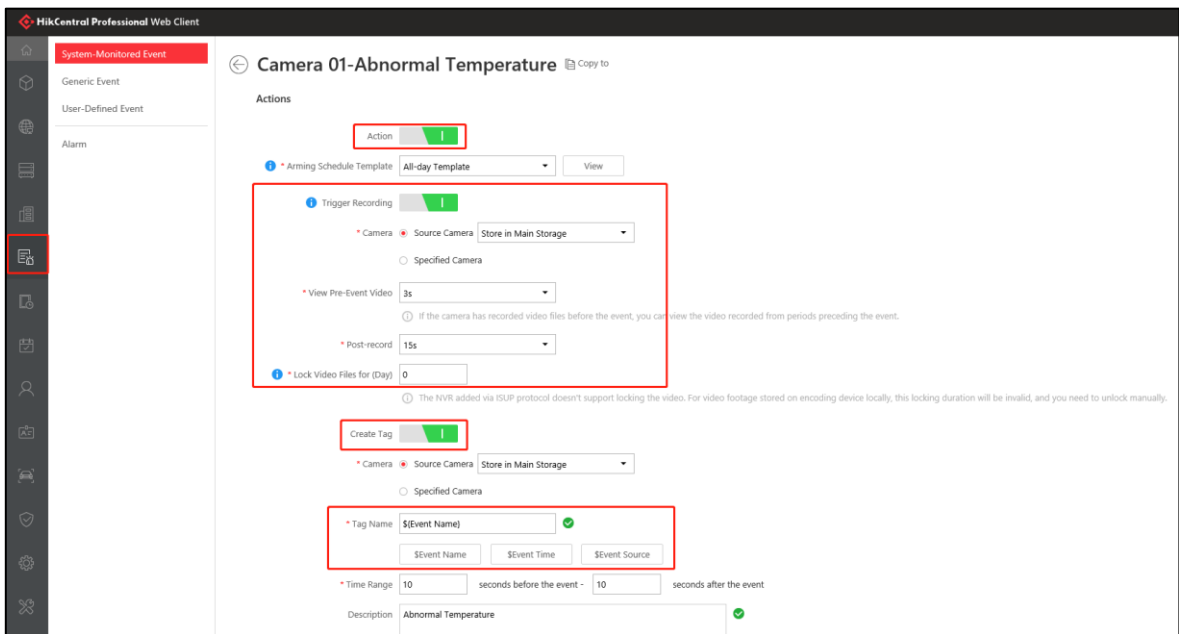


Select Camera of Source Type, select Abnormal Temperature/No Mask of Triggering Event, select camera of Source, then click Add and Trigger Alarm button to add alarm

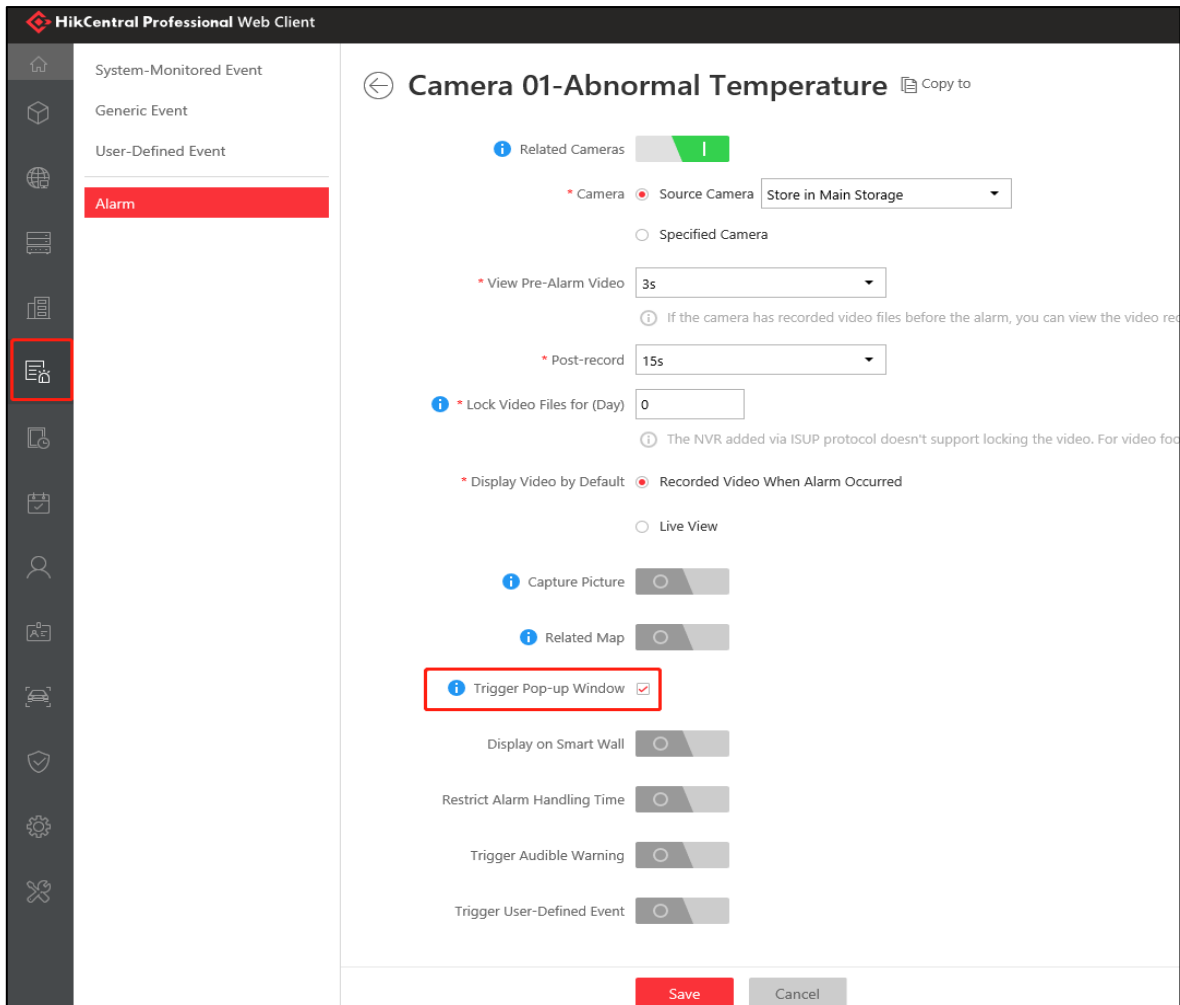




If you want to save video when alarm occurs, Enable Action and Trigger Recording, and you can enable Create Tag also, then you can search the video by tag on Control Client.



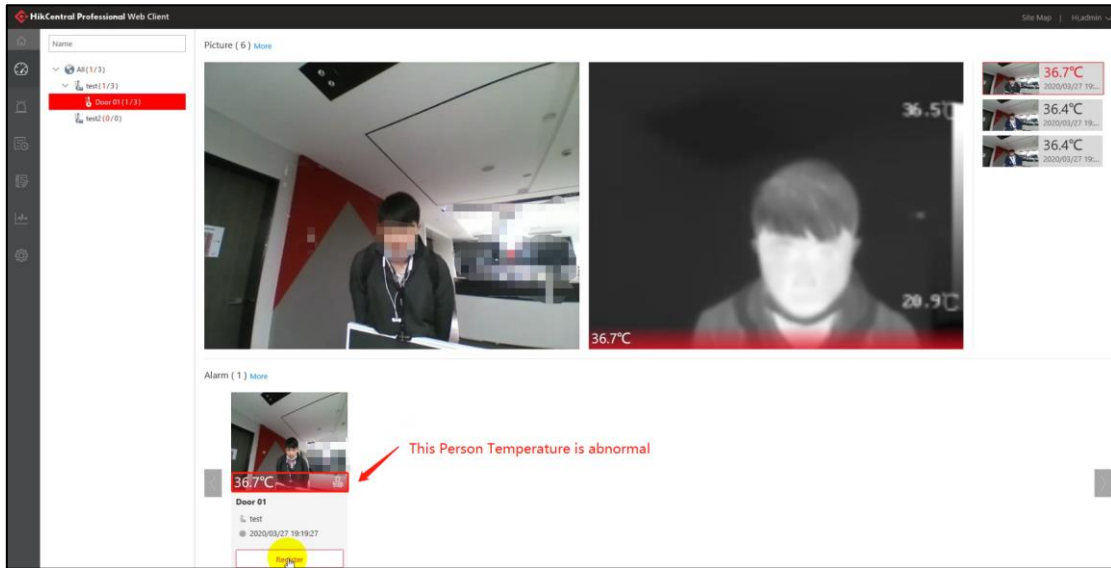
After configuring Event, click Trigger Alarm button to add alarm to continue, and if you need Pop-up Window when alarm occurs, you can enable Trigger Pop-up Window.



## 2.3 Function Operation

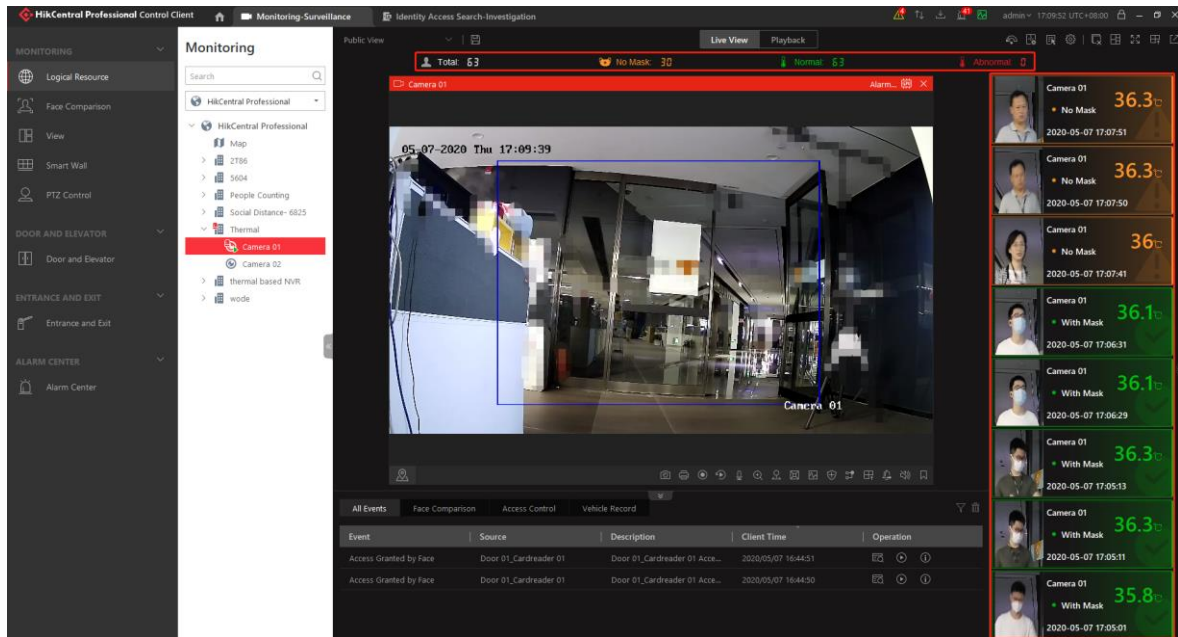
### 2.3.1 Real Time Temperature Measurement Results

Go to Home Page/Skin-surface Temperature/Skin-surface Temperature. You can see all the real time temperature measurement results, and the abnormal temperatures will be marked red color which is abnormal



Note: If you switch to other menu and come back to this menu, the data will be refreshed  
Go to **Control Client/Monitoring**. The interface can show the number of detected person totally, the number of No Mask person, the number of Normal Temperature person, and the number of Abnormal Temperature person.

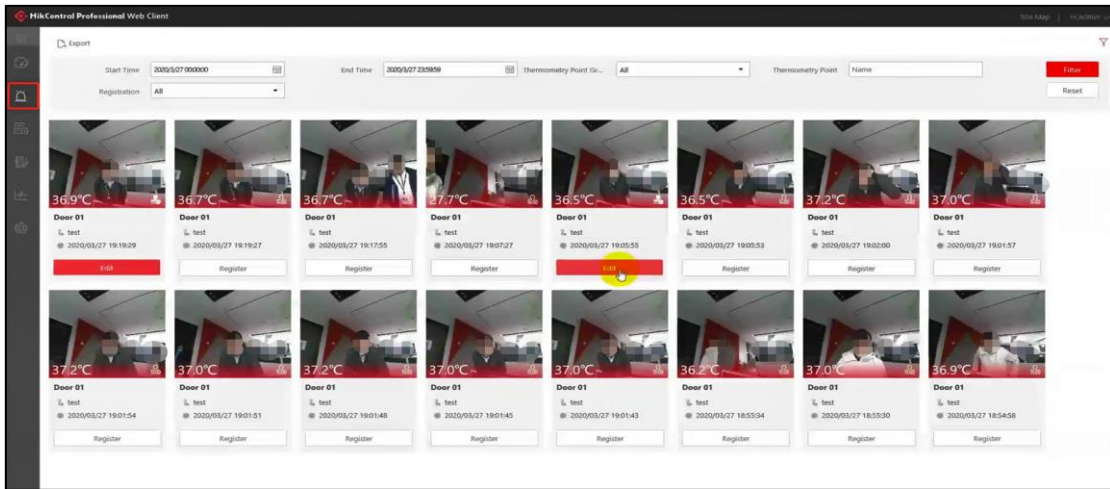
And all the face captured results will display on the right.



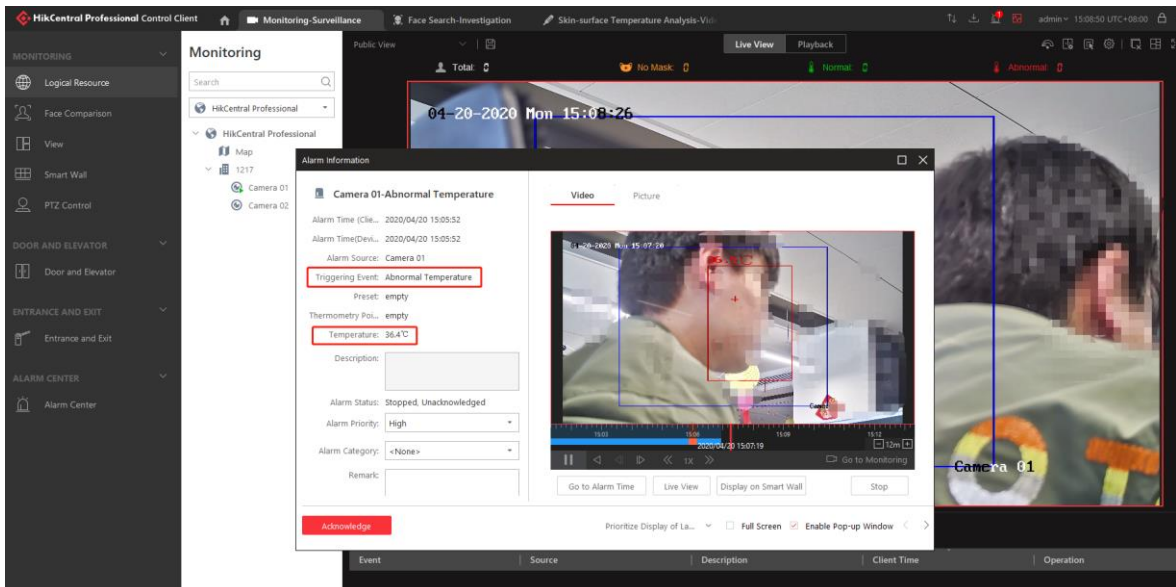
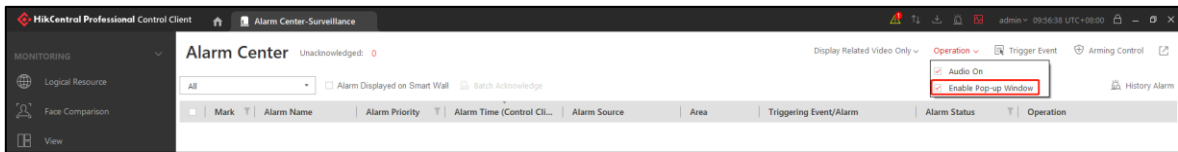
### 2.3.2 Alarm of Abnormal Temperature/No Mask

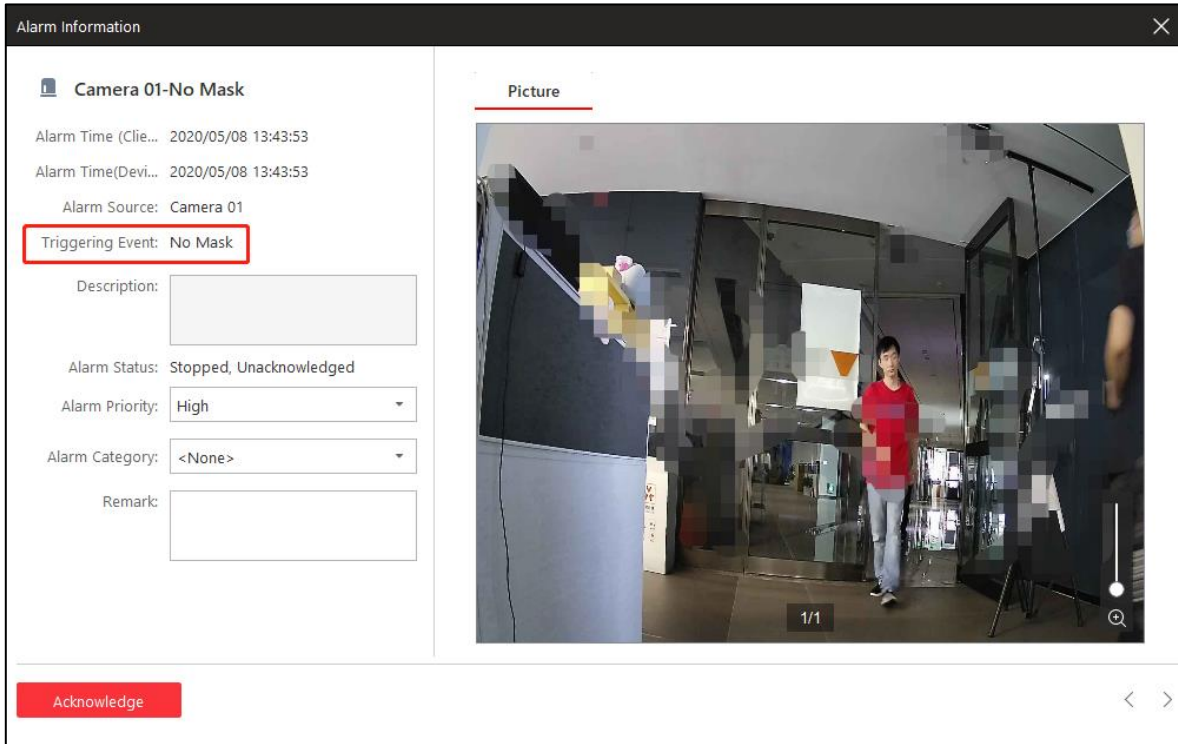
On Web Client Home Page/Skin-surface Temperature/Alarm

All the abnormal temperature records are saved here



On Control Client, after the alarm is configured on the web client, if an alarm occurs, the control client will receive an alarm. If an alarm pop-up window is required, the Control Client needs to enable pop-up window also.

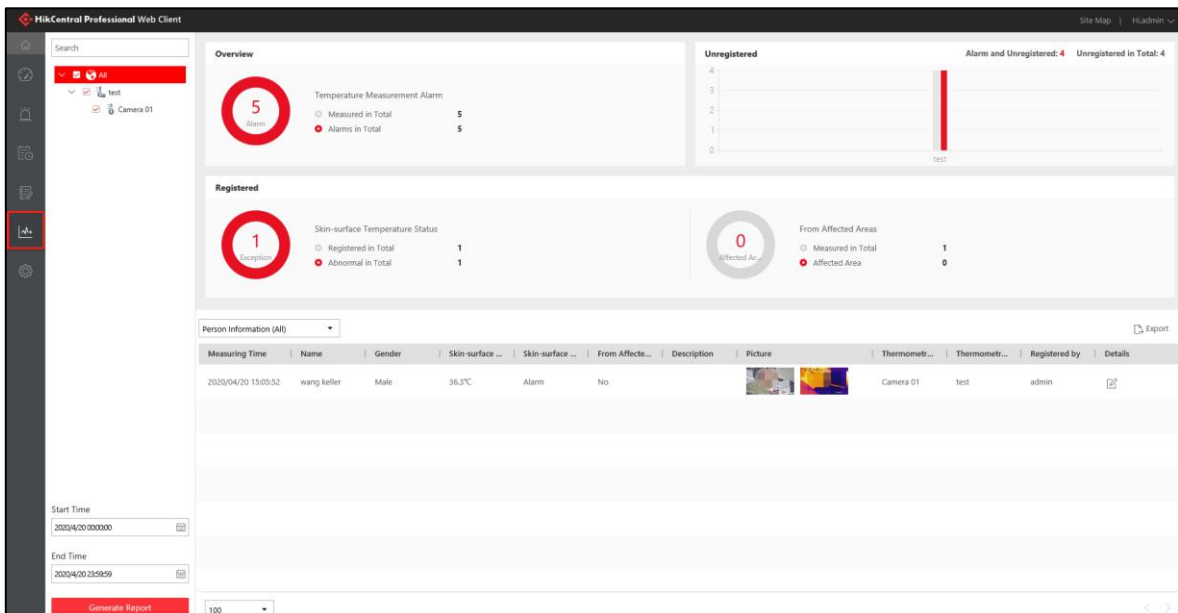




### 2.3.3 Temperature Report

#### 2.3.3.1 Report in Web Client


The report can count the temperature measurement data of a certain day or period, including the total number of temperature measurement, the number of abnormal temperature, the number of registered people, the number of unregistered people, etc.




Go to Intelligent Analysis/Skin-surface Temperature Analysis. Select Area. Then select one area you need analysis.

### Configuration


This section offers functions used to configure the system.




Remote Site Management




Physical View




Logical View




Event & Alarm




Access Level




Time & Attendance




Person




Visitor



Vehicle



Security




System


  

### Applications


This section offers various applications to help security professionals.



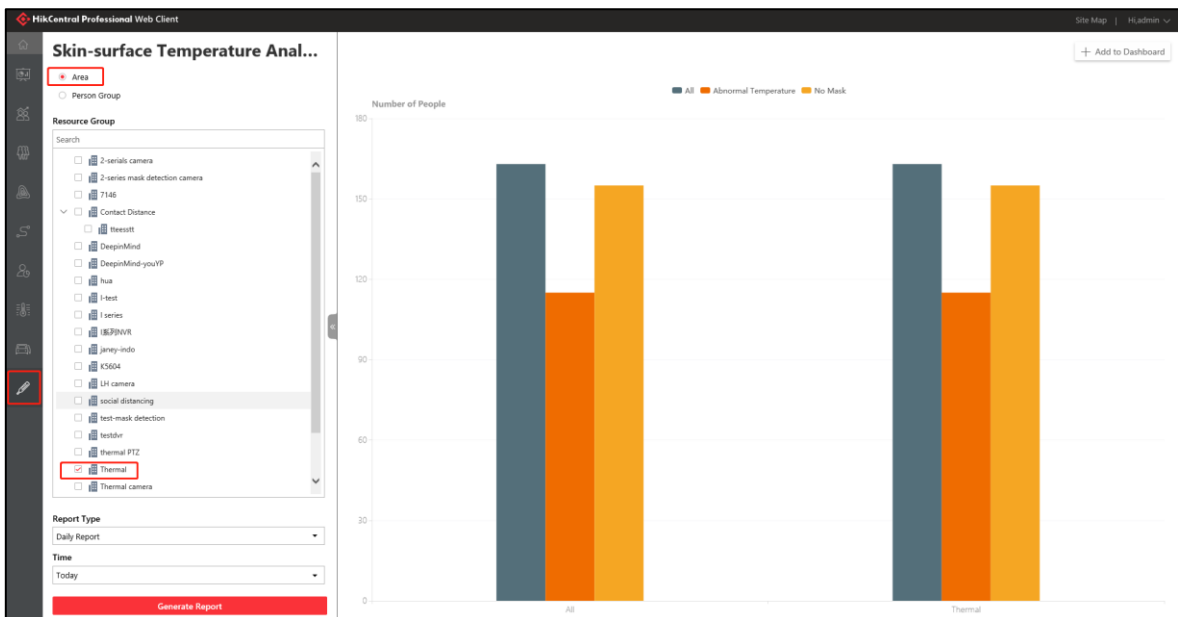
Monitoring



Intelligent Analysis



Skin-surface Temperature

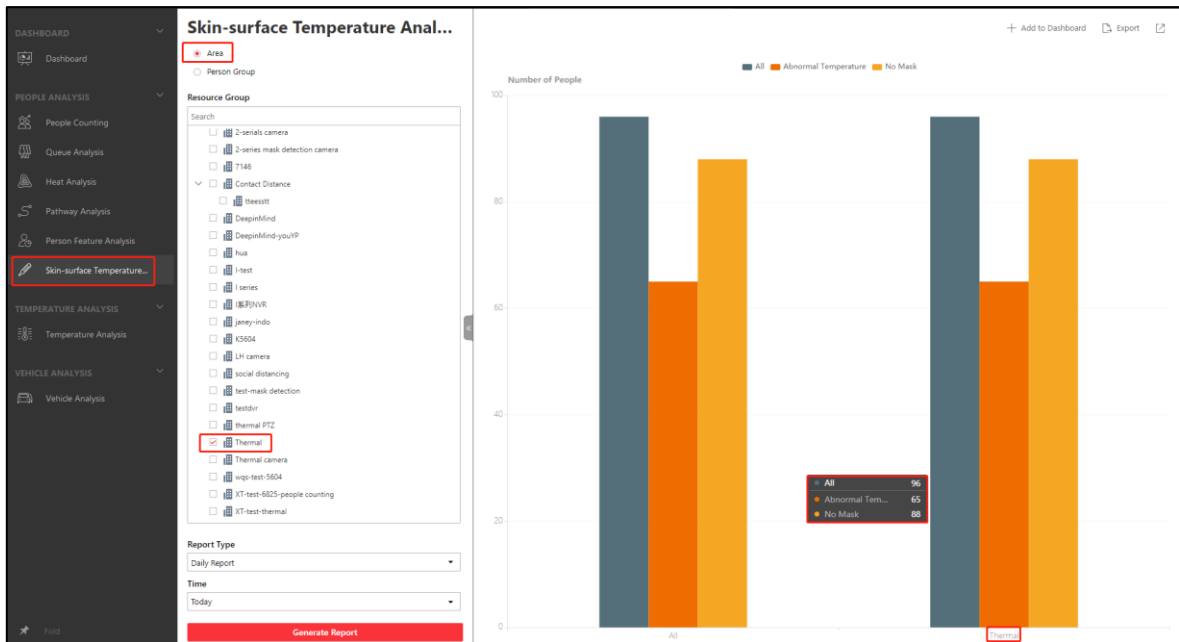


**Note:** The area of report just contains the person mismatched data.



### 2.3.3.2 Report in Control Client

Go to Skin-surface Temperature Analysis module. Select Area. Then select one area you need analysis.



Click **Export**, you can export the data with excel or csv format.

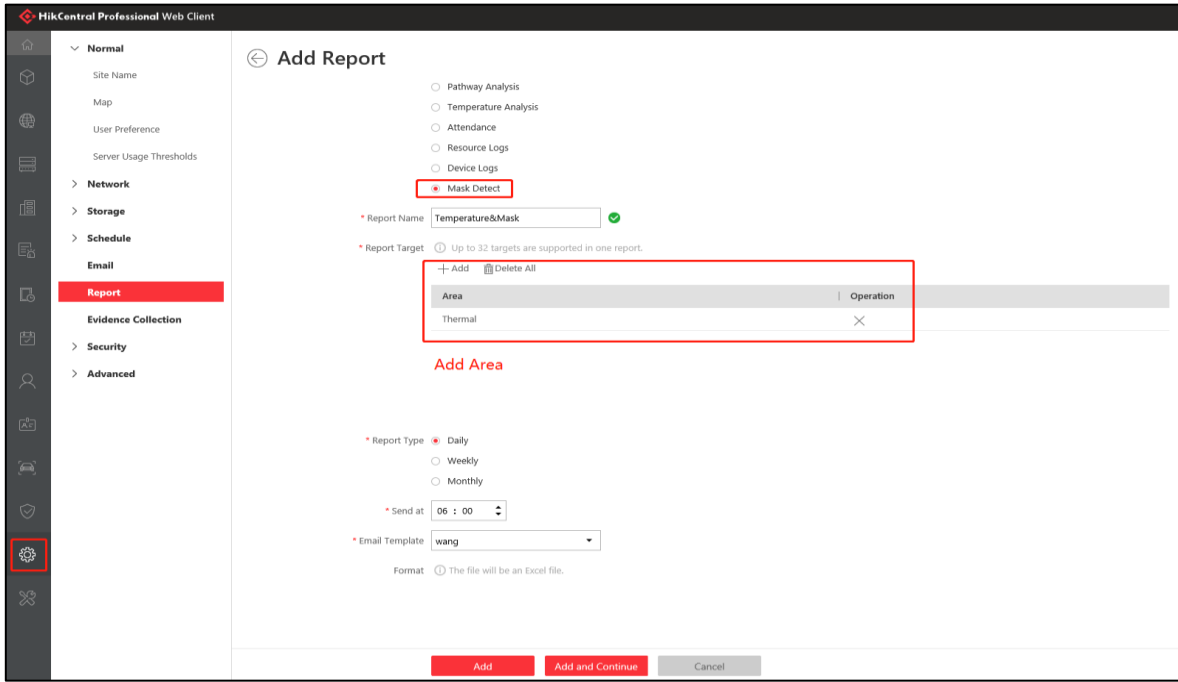
Temperature Mask Detect							
No.	Data	Area	Total Number	Temperature Abnormal Num	Temperature Abnormal Perce	No Mask Number	No Mask Percentage
1		2020/6/11 Thermal	128	92	72%	120	94%

**Note:** Effective collection for Area of report refers to the collected by the DeepinMind NVR or MinMoe device person mismatched.

For Person matched data, please select Person Group to check.

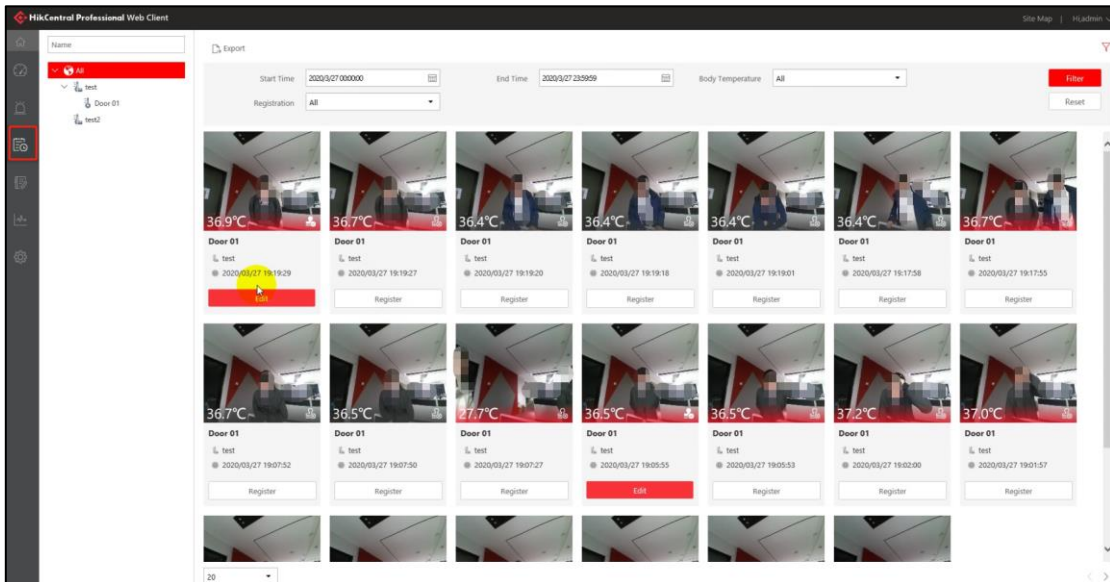
[Please click here to check the report with person group.](#)

Go to **Web Client/System/Report**. Select **Mask Detect**. Click **Add** to add the Area you need report, set other information, then you can receive the report by e-mail.

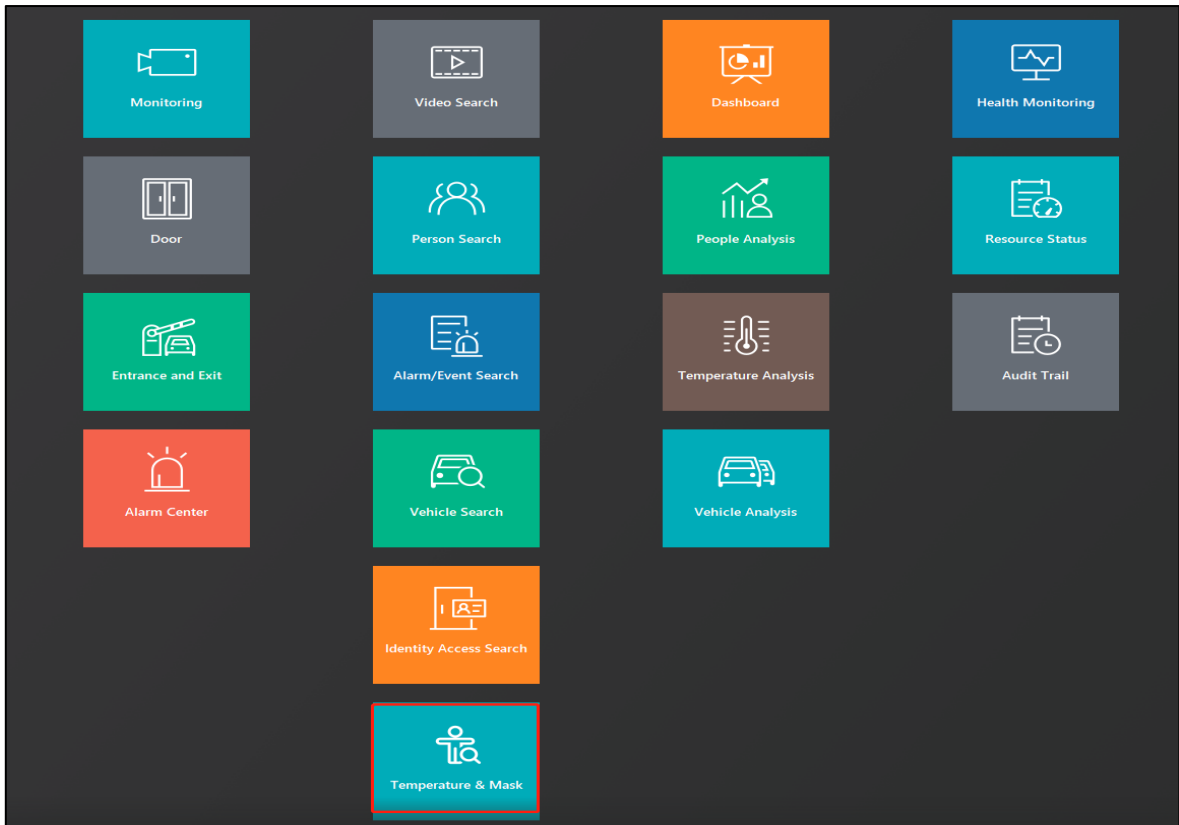


### 2.3.4 Historical Temperature Measurement Data

On Web Client, history module can display all historical temperature measurement data, including normal and abnormal Skin-surface Temperature data



On Control Client, go to Temperature & Mask module. Select one camera, you can search out the temperature screening and mask detect results.



**Temperature & Mask**

Time: Today

Source: Camera

Mask:  All,  Wear Mask,  No Mask,  Unknown

Temperature Status:  All,  Normal,  Abnormal,  Unknown

Search

Captured Time	Camera Name	Mask	Temperature	Status	Operation
2020-06-11 14:46:51	optical	No Mask	36.4℃	Temperature Abnormal	📄
2020-06-11 14:46:50	optical	No Mask	36.4℃	Temperature Abnormal	📄
2020-06-11 14:46:49	optical	No Mask	36.4℃	Temperature Abnormal	📄
2020-06-11 14:46:49	optical	No Mask	36.4℃	Temperature Abnormal	📄
2020-06-11 14:45:58	optical	No Mask	35.3℃	Temperature Normal	📄
2020-06-11 14:44:23	optical	No Mask	36.4℃	Temperature Abnormal	📄
2020-06-11 14:44:22	optical	No Mask	36.4℃	Temperature Abnormal	📄
2020-06-11 14:42:39	optical	No Mask	36.1℃	Temperature Abnormal	📄
2020-06-11 14:42:39	optical	No Mask	36.1℃	Temperature Abnormal	📄
2020-06-11 14:42:28	optical	No Mask	36.4℃	Temperature Abnormal	📄
2020-06-11 14:42:28	optical	No Mask	36.4℃	Temperature Abnormal	📄
2020-06-11 14:41:29	optical	No Mask	36.1℃	Temperature Abnormal	📄
2020-06-11 14:41:28	optical	No Mask	36.1℃	Temperature Abnormal	📄
2020-06-11 14:39:15	optical	No Mask	35.4℃	Temperature Normal	📄
2020-06-11 14:35:57	optical	No Mask	35.6℃	Temperature Normal	📄
2020-06-11 14:38:23	optical	No Mask	35.4℃	Temperature Normal	📄
2020-06-11 14:22:04	optical	No Mask	36.3℃	Temperature Abnormal	📄
2020-06-11 14:22:04	optical	No Mask	36.3℃	Temperature Abnormal	📄
2020-06-11 14:11:02	optical	No Mask	36.0℃	Temperature Abnormal	📄
2020-06-11 14:10:58	optical	No Mask	35.9℃	Temperature Normal	📄
2020-06-11 14:10:39	optical	No Mask	36.0℃	Temperature Abnormal	📄
2020-06-11 14:10:38	optical	No Mask	36.0℃	Temperature Abnormal	📄
2020-06-11 14:10:00	optical	No Mask	36.3℃	Temperature Abnormal	📄
2020-06-11 14:09:59	optical	No Mask	36.3℃	Temperature Abnormal	📄
2020-06-11 14:09:37	optical	No Mask	36.4℃	Temperature Abnormal	📄
2020-06-11 14:09:36	optical	No Mask	36.4℃	Temperature Abnormal	📄

Self-adaptive

Click **Export**, you can export the results and capture pictures, if you select **Export Picture**.

## Export

Type

Excel

Export Picture

CSV

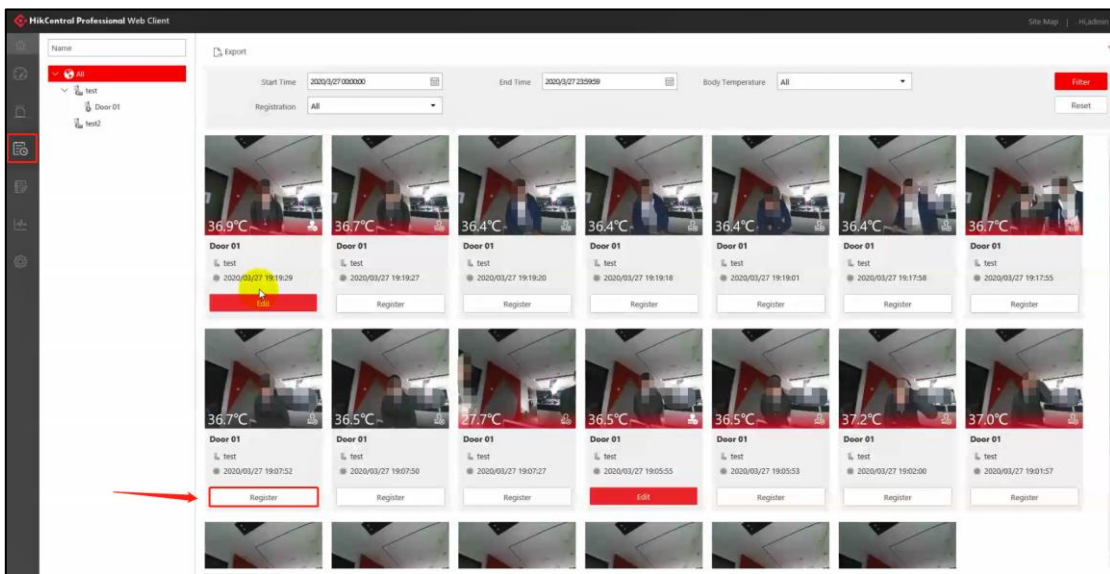
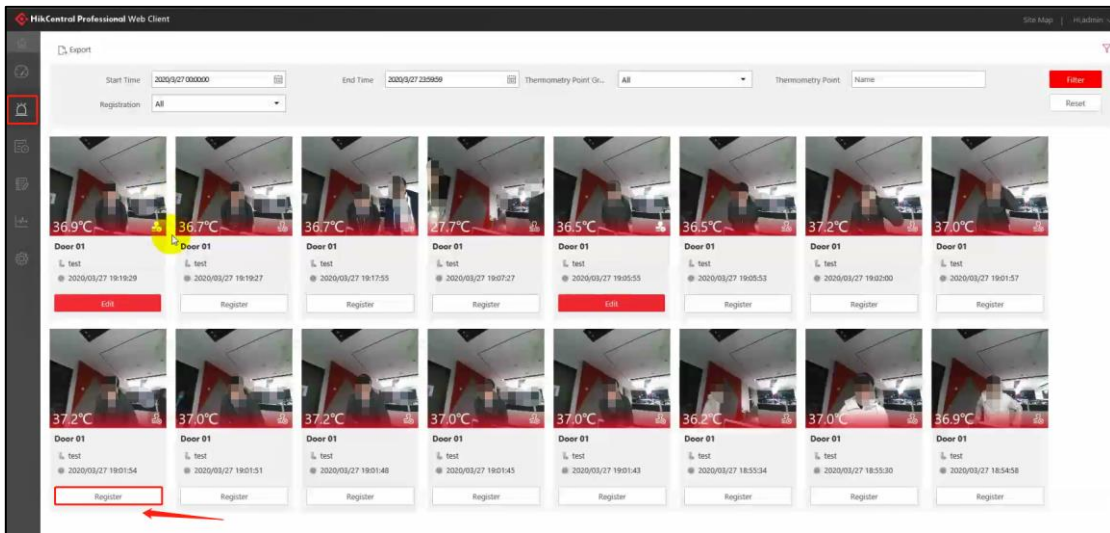
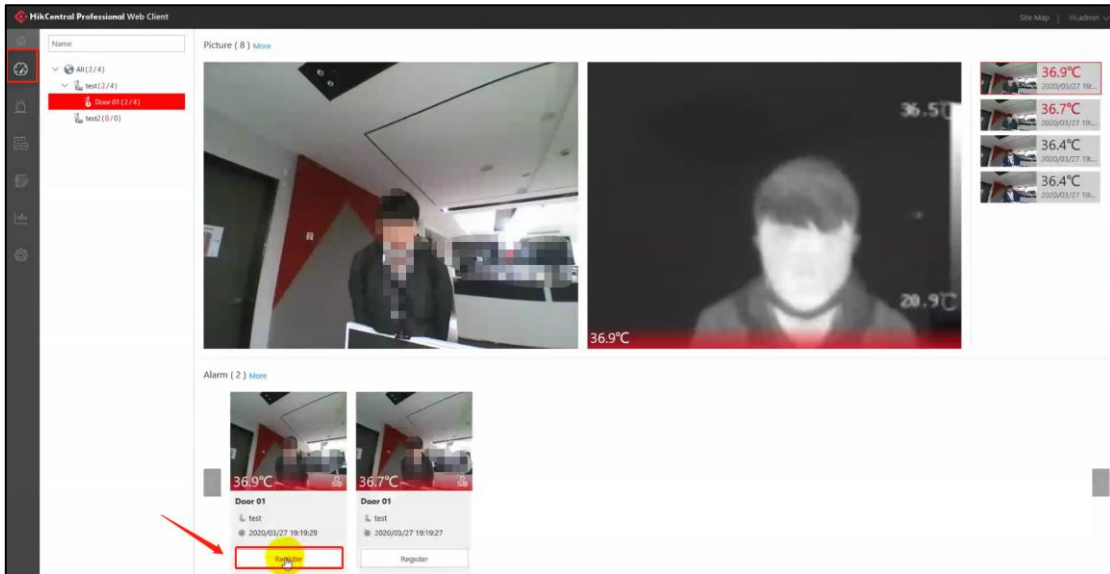
Path

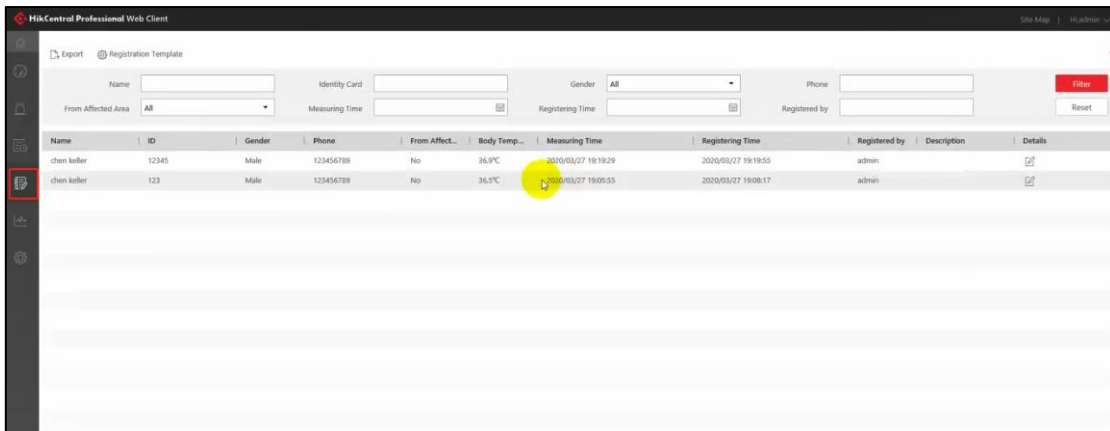
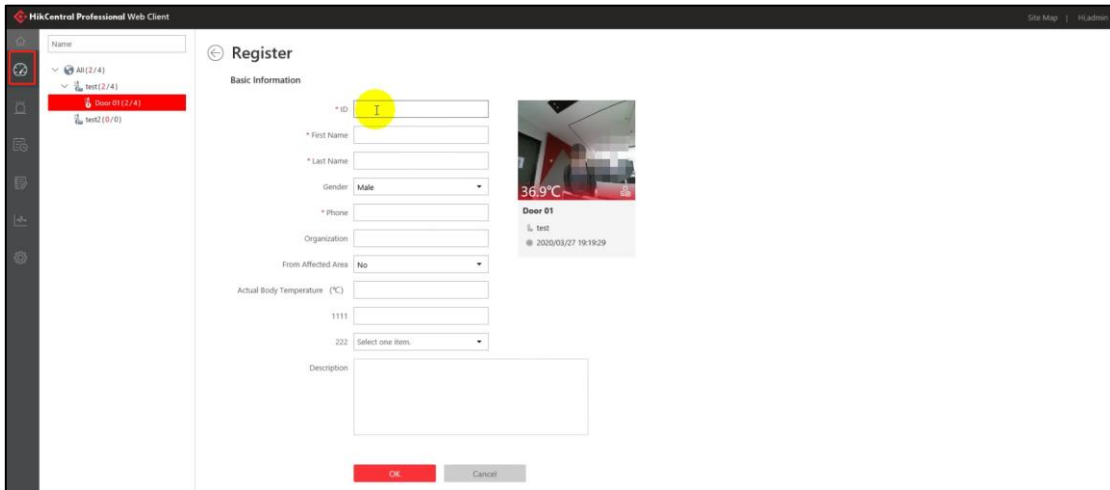
**Note:** It doesn't support export picture when export data with CSV Type.

Capture Time	Camera Name	Mask	Temperature	Temperature Status	Thumbnail
2020/06/11 11:17:13	optical	With Mask	33.1°C	Temperature Normal	<a href="#">image</a>
2020/06/11 11:16:24	optical	No Mask	31.3°C	Temperature Normal	<a href="#">image</a>
2020/06/11 11:15:54	optical	No Mask	33.8°C	Temperature Normal	<a href="#">image</a>
2020/06/11 11:15:28	optical	No Mask	30.2°C	Temperature Normal	<a href="#">image</a>
2020/06/11 11:12:04	optical	No Mask	31.2°C	Temperature Abnormal	<a href="#">image</a>
2020/06/11 11:12:04	optical	No Mask	31.6°C	Temperature Abnormal	<a href="#">image</a>
2020/06/11 11:12:00	optical	No Mask	34.0°C	Temperature Abnormal	<a href="#">image</a>
2020/06/11 11:11:59	optical	No Mask	33.8°C	Temperature Abnormal	<a href="#">image</a>
2020/06/11 11:11:59	optical	No Mask	33.8°C	Temperature Abnormal	<a href="#">image</a>
2020/06/11 11:11:59	optical	No Mask	34.0°C	Temperature Abnormal	<a href="#">image</a>
2020/06/11 11:11:45	optical	No Mask	32.0°C	Temperature Abnormal	<a href="#">image</a>
2020/06/11 11:11:45	optical	No Mask	32.0°C	Temperature Abnormal	<a href="#">image</a>

### 2.3.5 Person with Abnormal Temperature Registration & Historical Registration

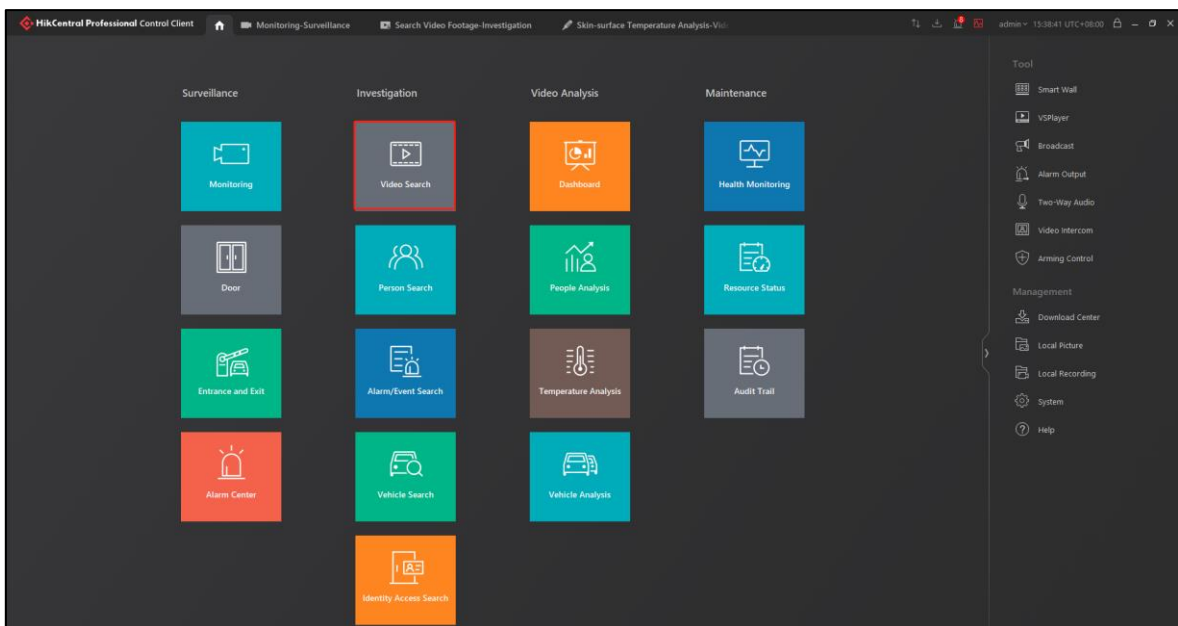
For persons with abnormal Skin-surface Temperature, registration is possible. And in real-time detection, both the alarm module and the history module can be registered. And all registered personnel can be queried in the registration module.



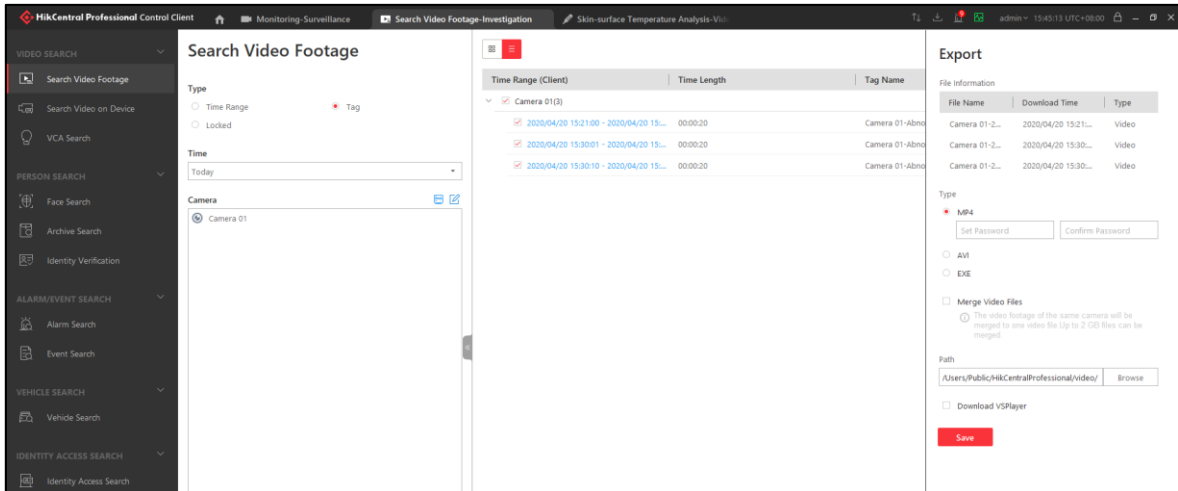
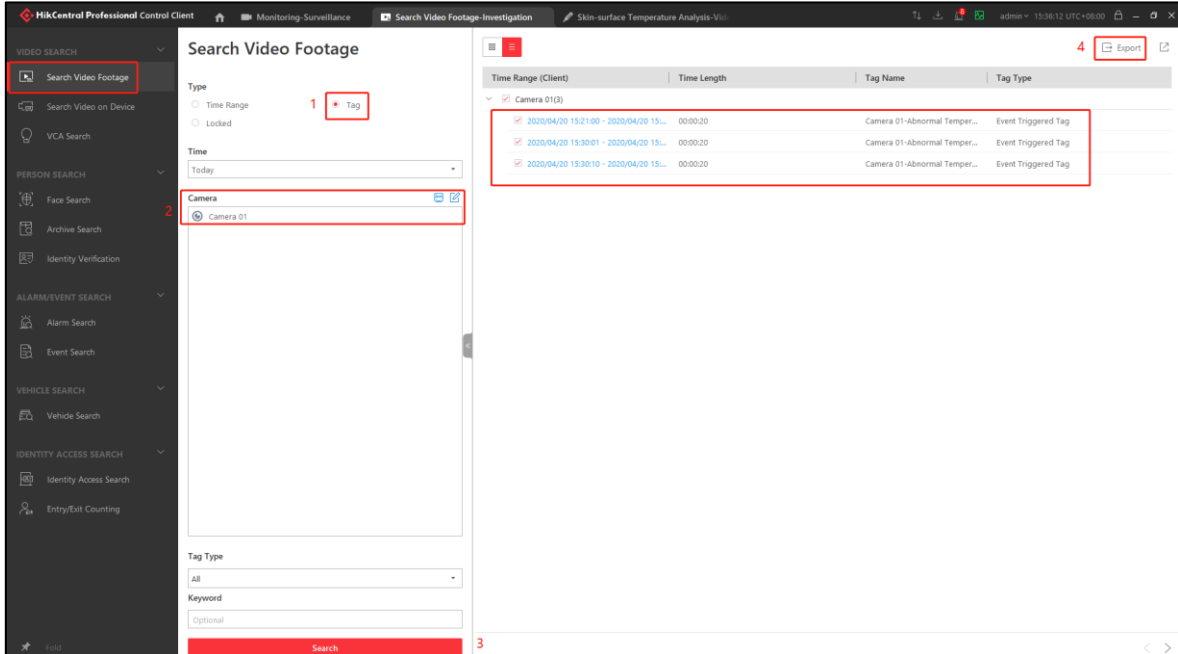


### 2.3.6 Alarm Video Export

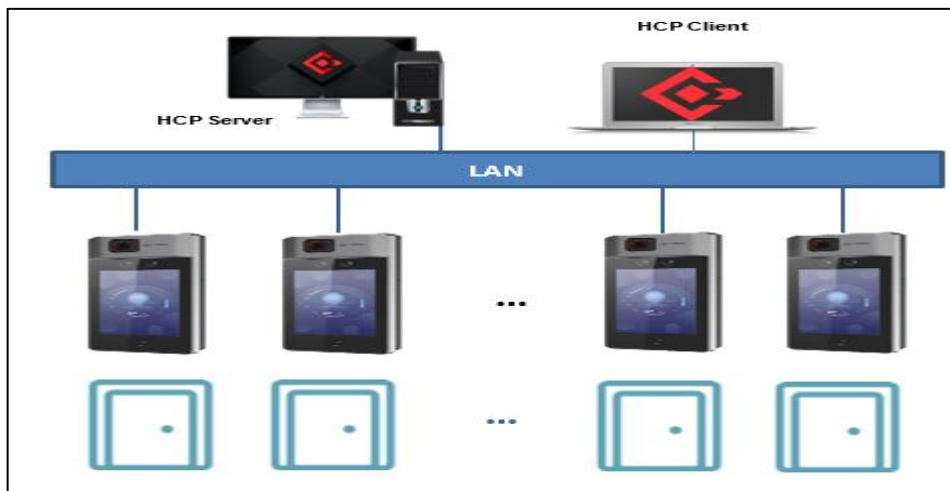
Go to Control Client. Click **Video Search** Module.



Select **Tag** of Type. Select time. Select one Camera of Camera. Select Tag Type. And you can fill the Keyword also. Click **Search** to search out the video, Click **Export** to export the video.



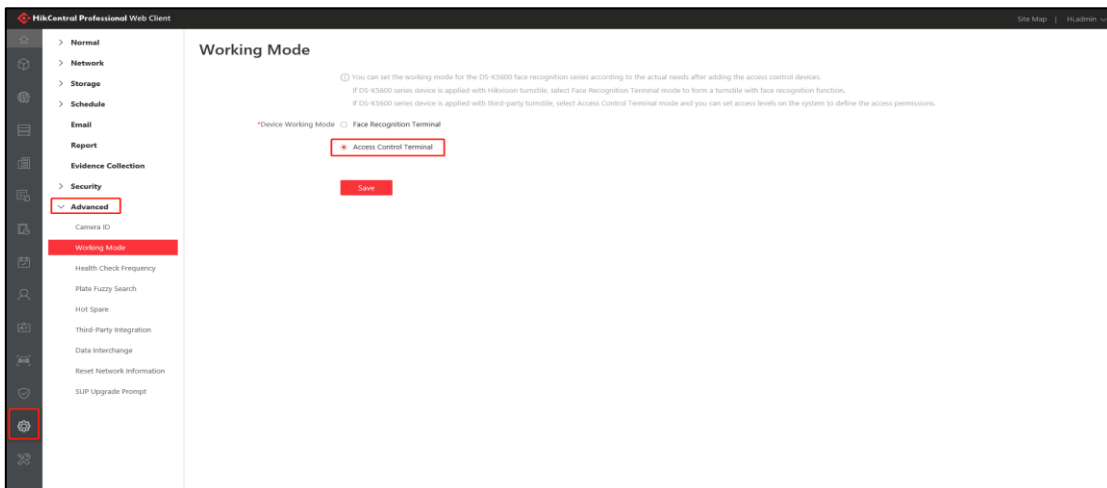
### 3. Configuration for Temperature Screening with Access Control



#### 3.1 Add Device

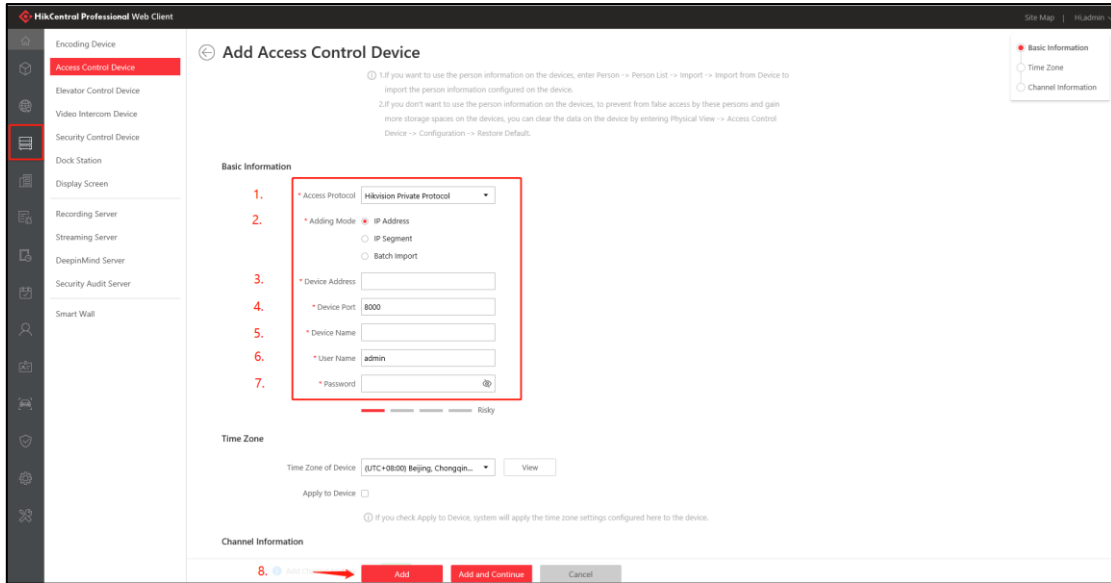
##### 3.1.1 Add Access Control Device with 3rd Party Barrier Gate

1) Go to Home Page/System/Advanced/Working Mode. And select Access Control Terminal and click **save**.

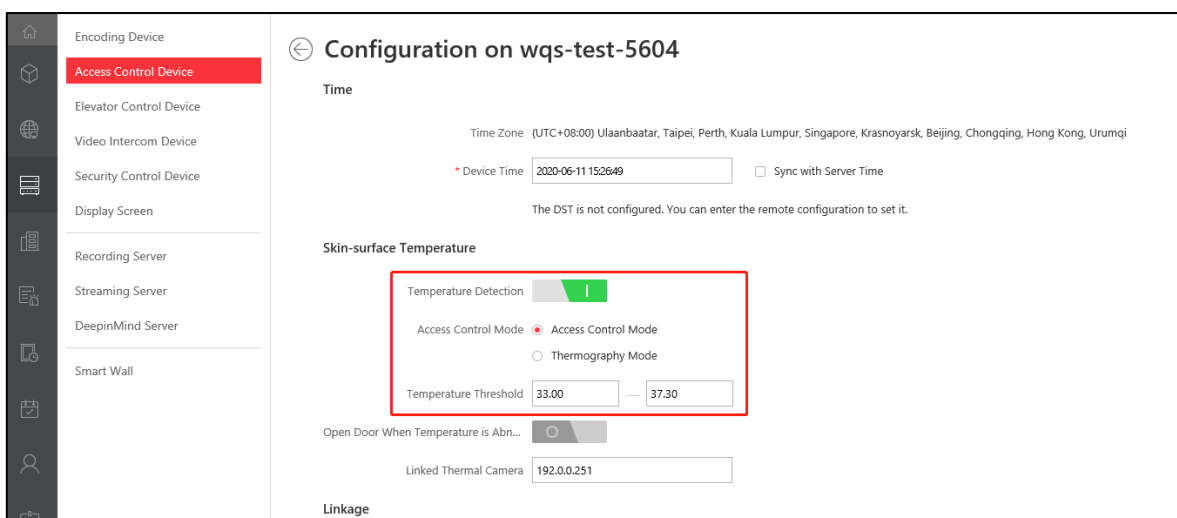
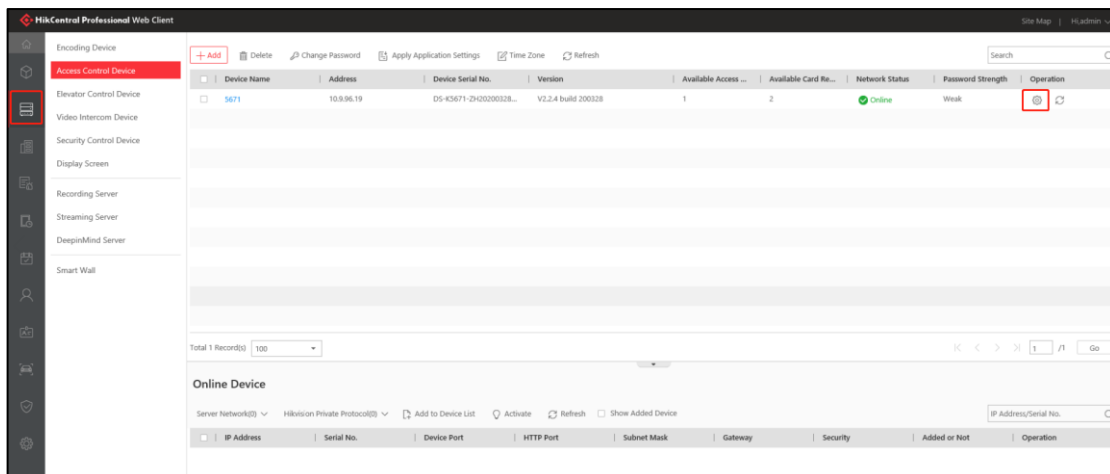


2) Go to Home Page/Physical View/Access Control Device. Click Add to add access control device.



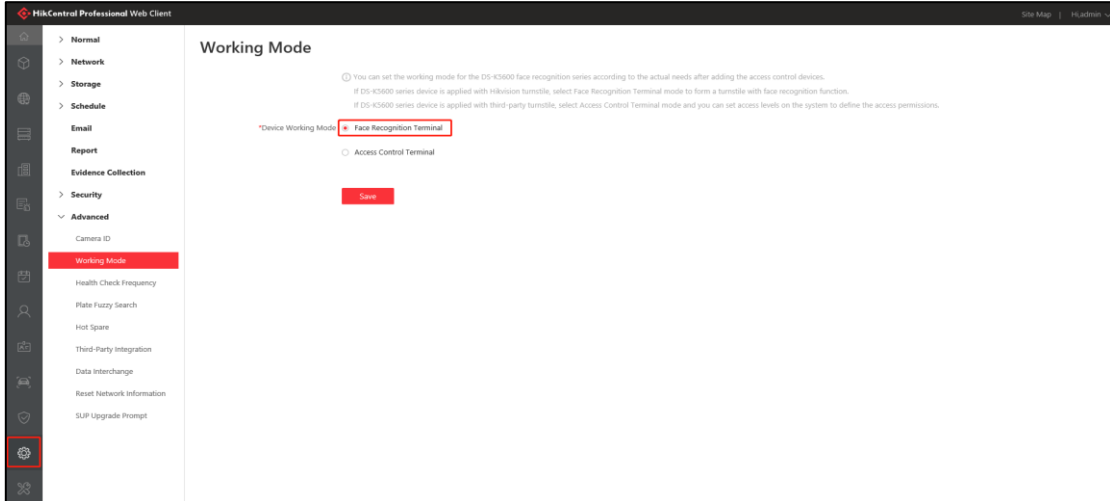


3) Click remote configuration. Set Access Control Mode or Thermography Mode and Temperature Threshold.

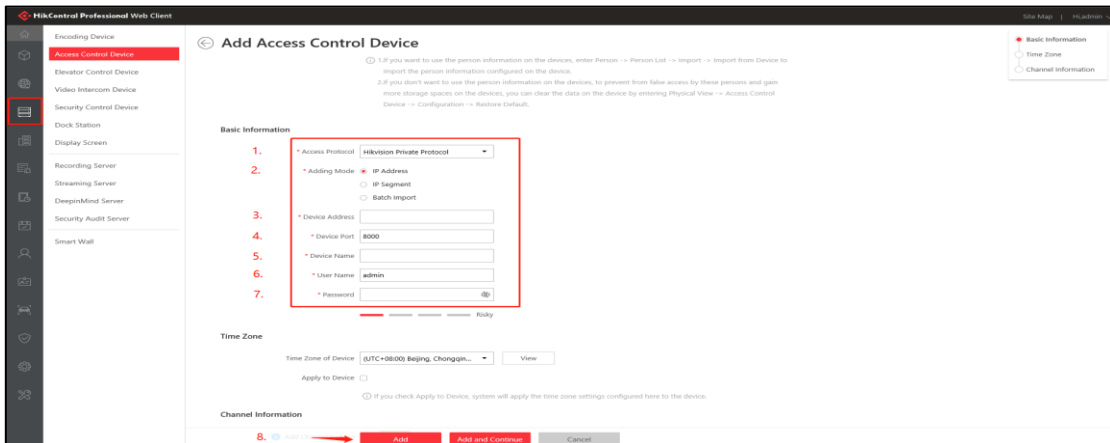


### 3.1.2 Add Access Control Device with Hikvision's Barrier Gate

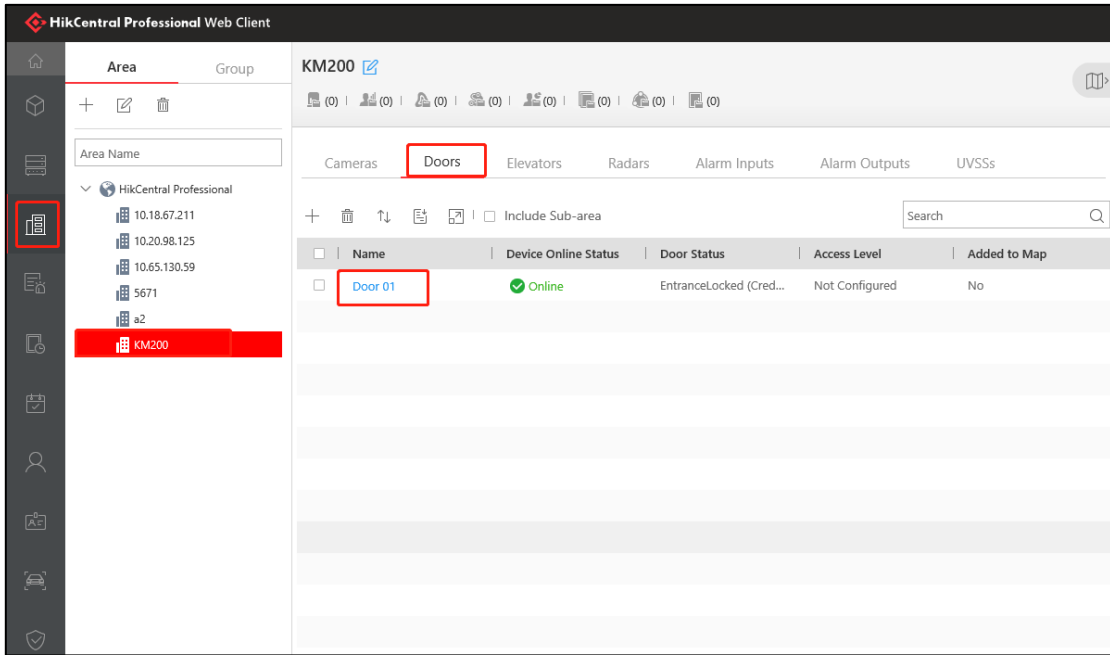
1) Go to Home Page/System/Advanced/Working Mode. And Select Face Recognition Terminal and click save.



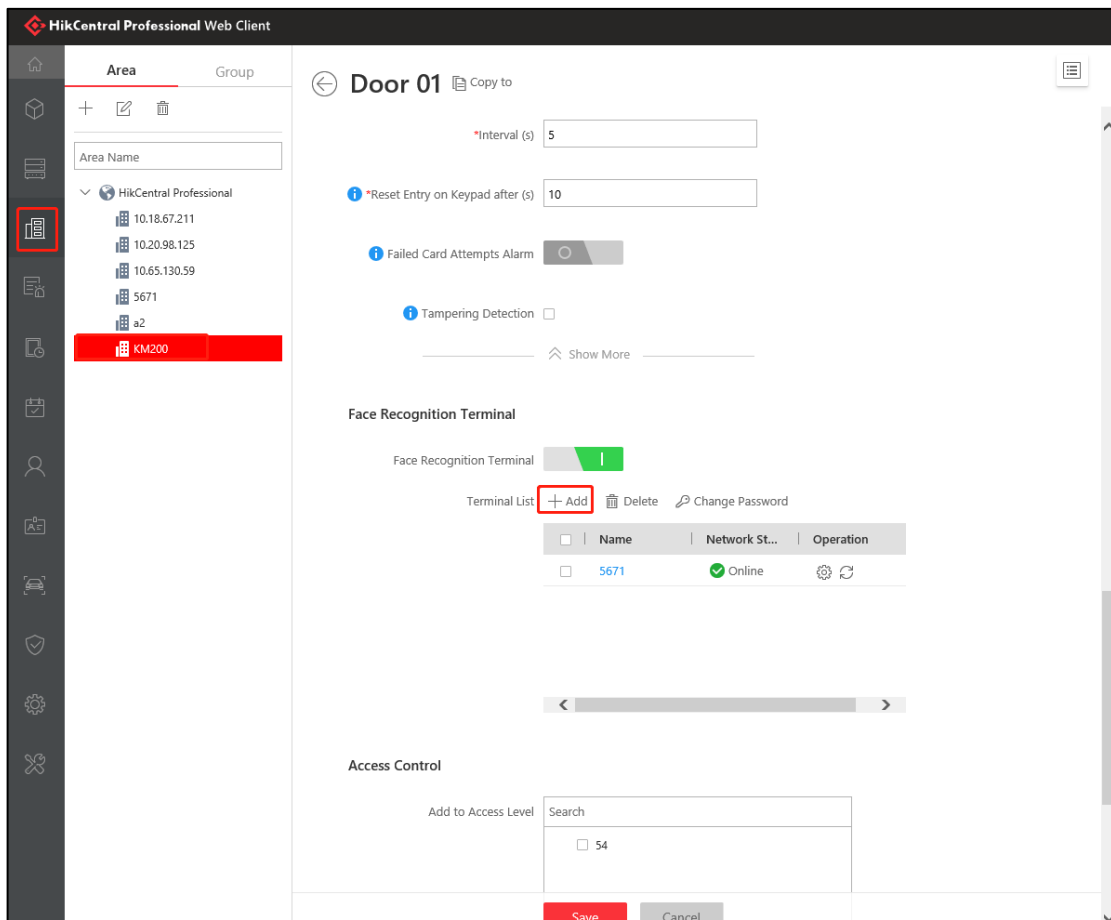
2) Go to Home Page/Physical View/Access Control Device. Click Add to add Turnstile.




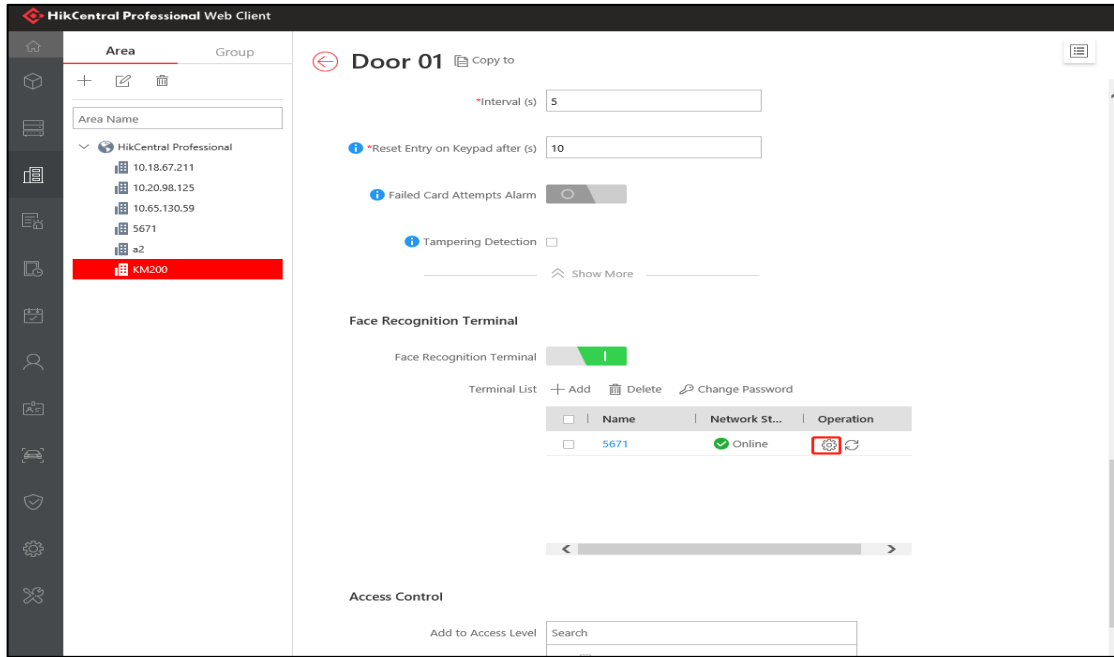
3) Go to Home Page/Logical View. Click Turnstile device area, select door and click access control point name to add Access Control Device.



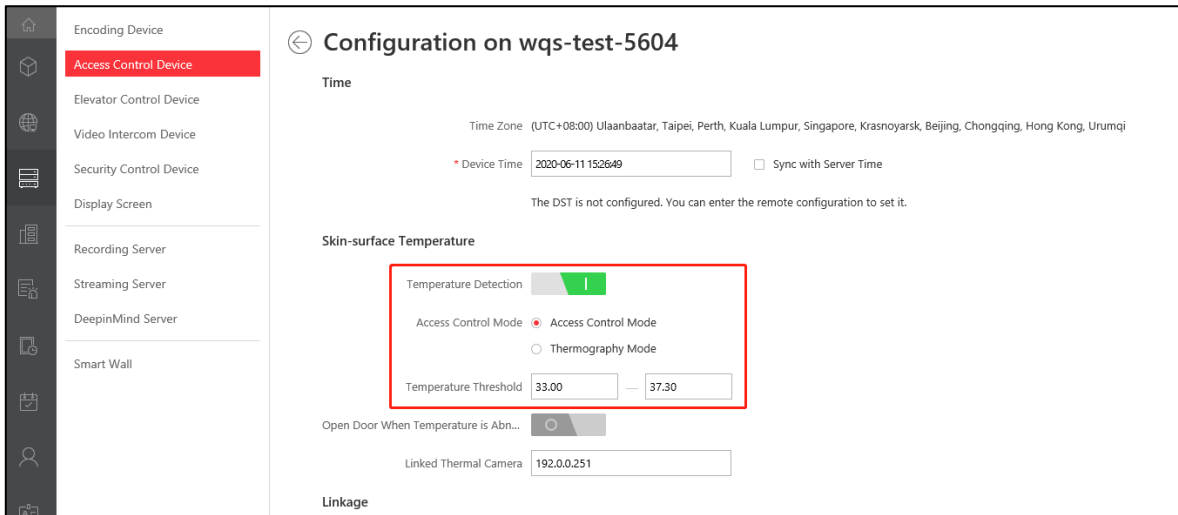
- Add Access Control Device to Turnstile as Face Recognition Terminal



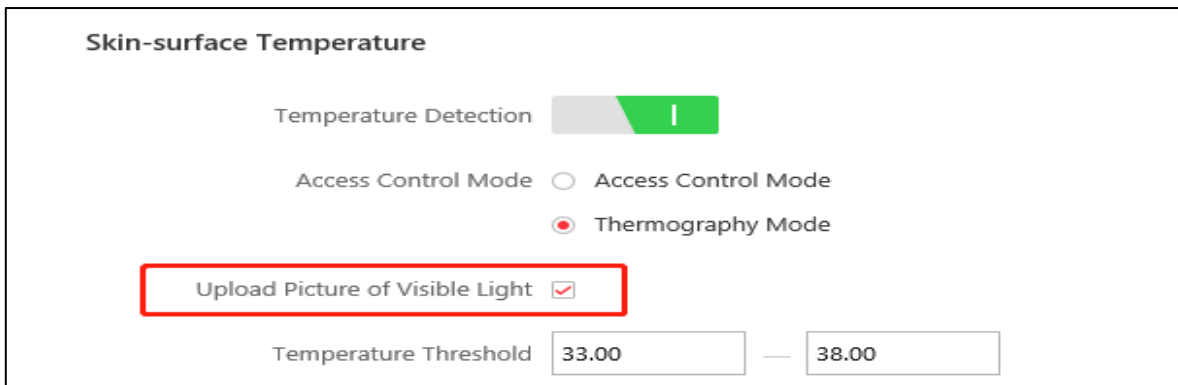
- Click remote configuration .



- Set Access Control Mode or Thermography Mode and Temperature Threshold.

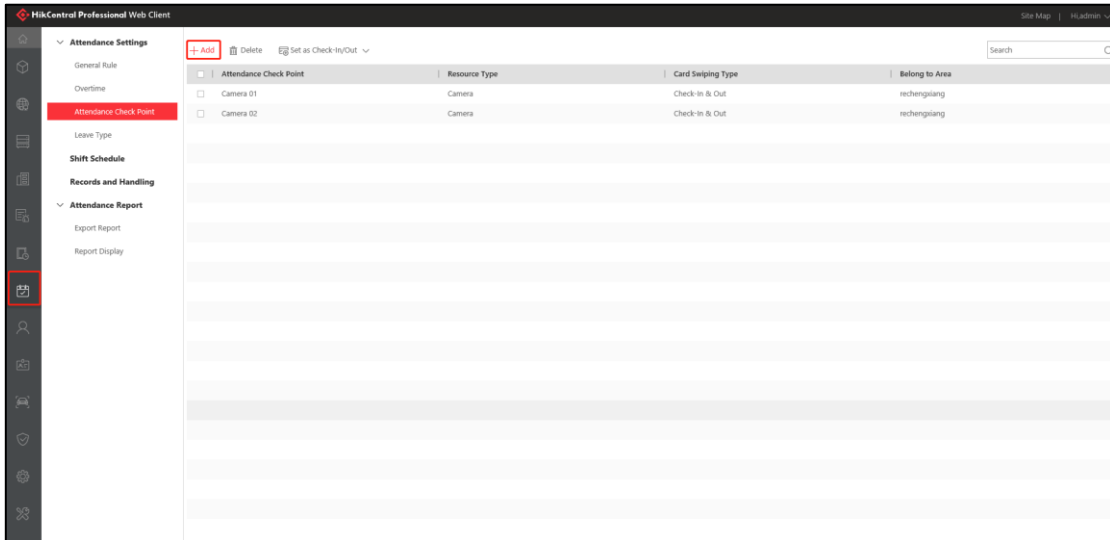


**Note:** When you select Thermography Mode, please note the device doesn't upload the captured picture with default, if you need it, please select **Upload Picture of Visible Light**.

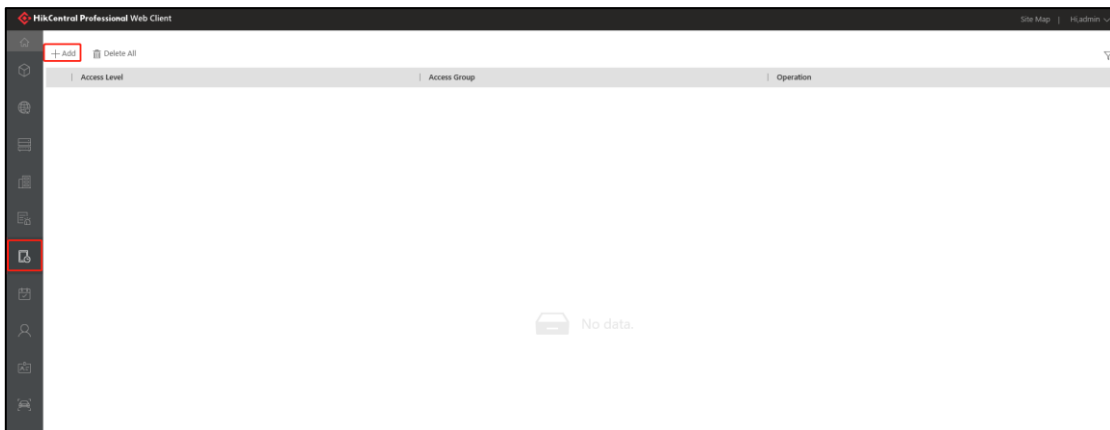


### 3.2 Access Level & Time Attendance Configuration

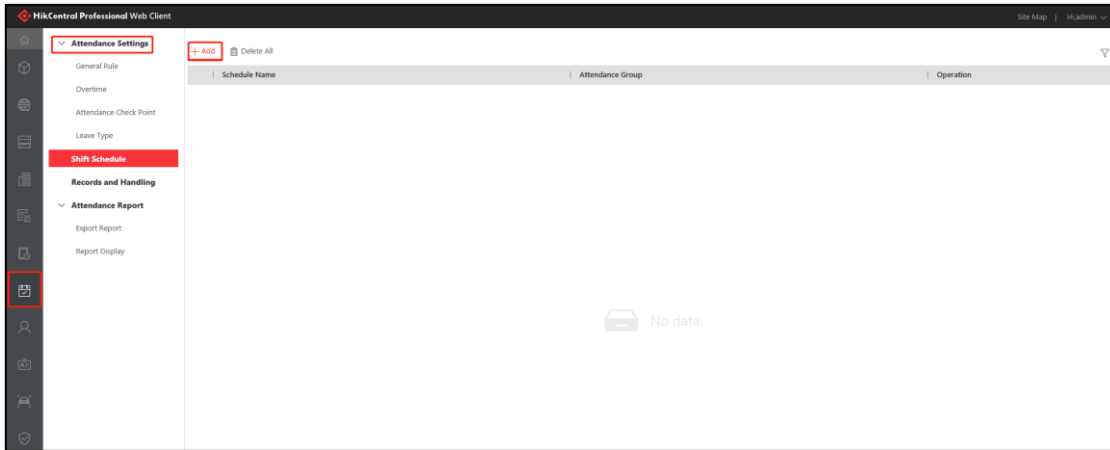
- Add Time Attendance Point. Go to **Home Page/Time & Attendance/Attendance Access Point**. Click **Add** to set Access Control Point or Camera as Time Attendance Point.



- Add Access Level. Go to **Home Page/Access Level**. Click **Add** to set the access level you need.



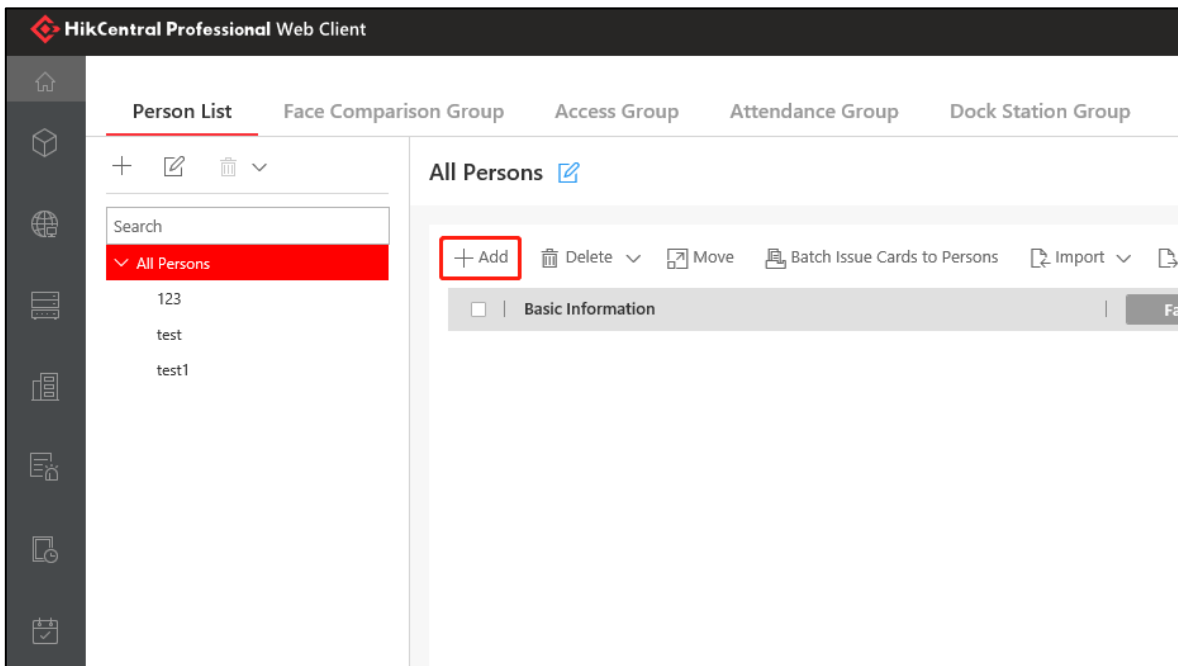
- Add Attendance Shift. Go to **Home Page/Time & Attendance/Attendance Settings/Shift Schedule**. Click **Add** to add Shift Schedule.



### 3.3 Personnel Management

1) Go to Home Page/Person/Person list, Click **Add** to add Person.

After a person takes a temperature measurement each time, the temperature data and status will be updated in the person information



**HikCentral Professional Web Client**

## ← Add Person

**Basic Information**

\* ID: 2600235873

\* First Name:

\* Last Name:

Gender:  Male  
 Female  
 Unknown

Skin-surface Temperature°C:

Skin-surface Temperature Status:

\* Person Group:

Email:

Phone:

Remark:

**Additional Information**

No available additional information item. [Configuration](#)

**Face Comparison**

Face Comparison Group:

**Buttons:** Add, Add and Continue, Cancel

2) Add Group in Access Control Group, Attendance Group and add Person to this groups and apply to device.

### Configuration for Access Control Group

- Add Access Control Group. Add Person to Group. Apply to Device

**HikCentral Professional Web Client**

Person List | Face Comparison Group | **Access Group** | Attendance Group | Dock Station Group

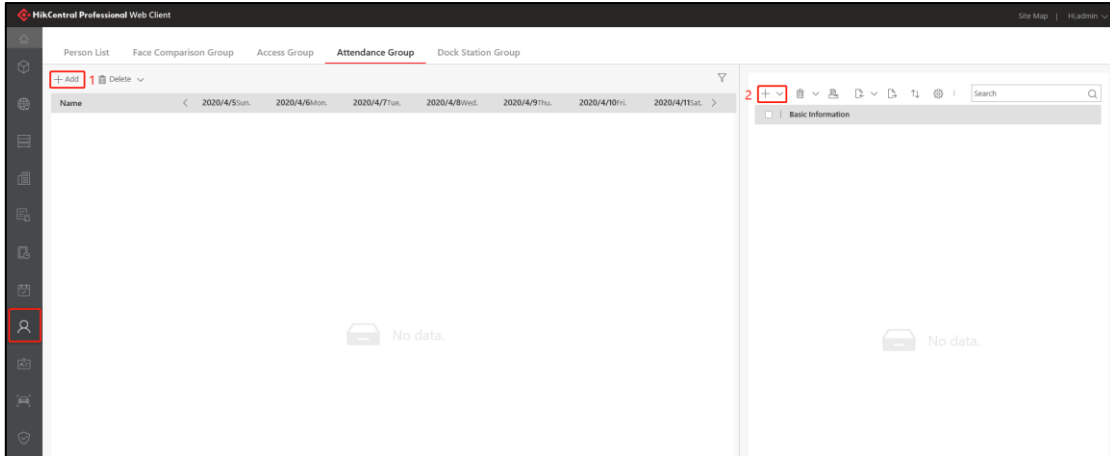
+ Add 1 | Delete 3 | Apply to Device | Apply to Device (Scheduled)

Name	Access Level
No data.	

Basic Information

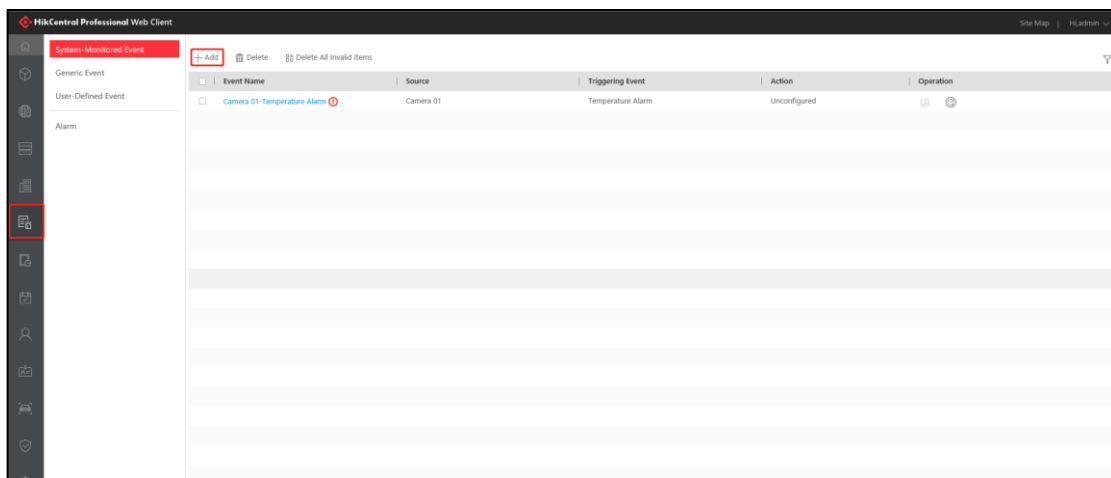
### Configuration for Attendance Group

- Add Attendance Group and add Person to the Group.



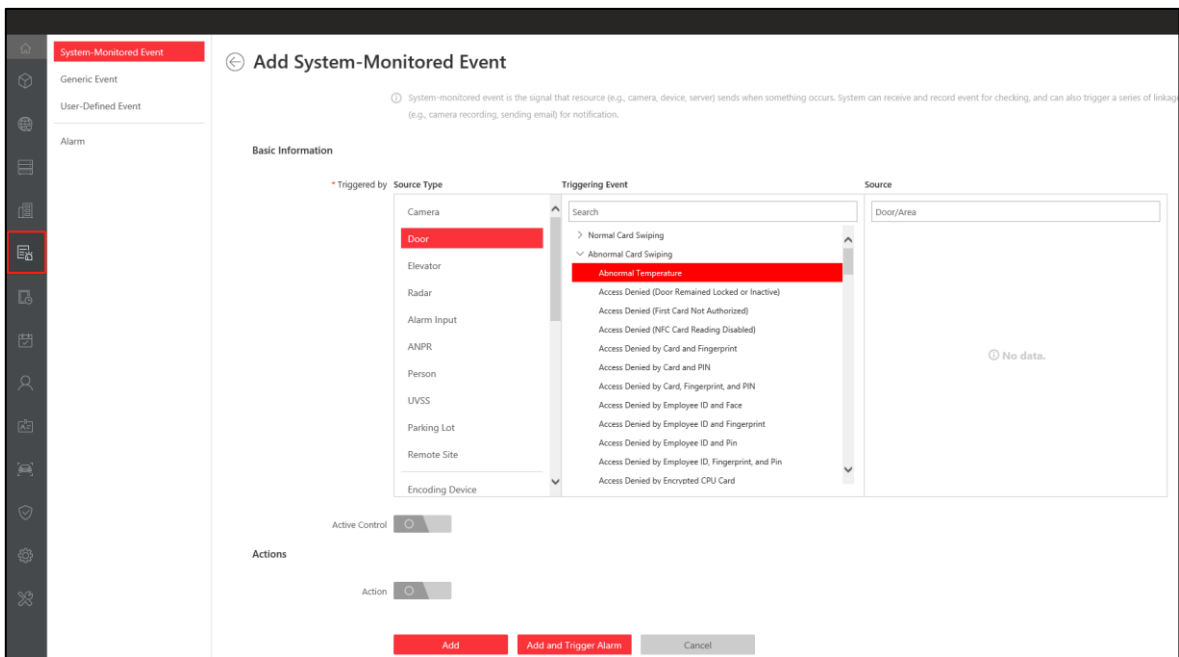
### 3.4 Event & Alarm Configuration

Go to Home Page/Event & Alarm/ System-monitored event. Click Add to add event.

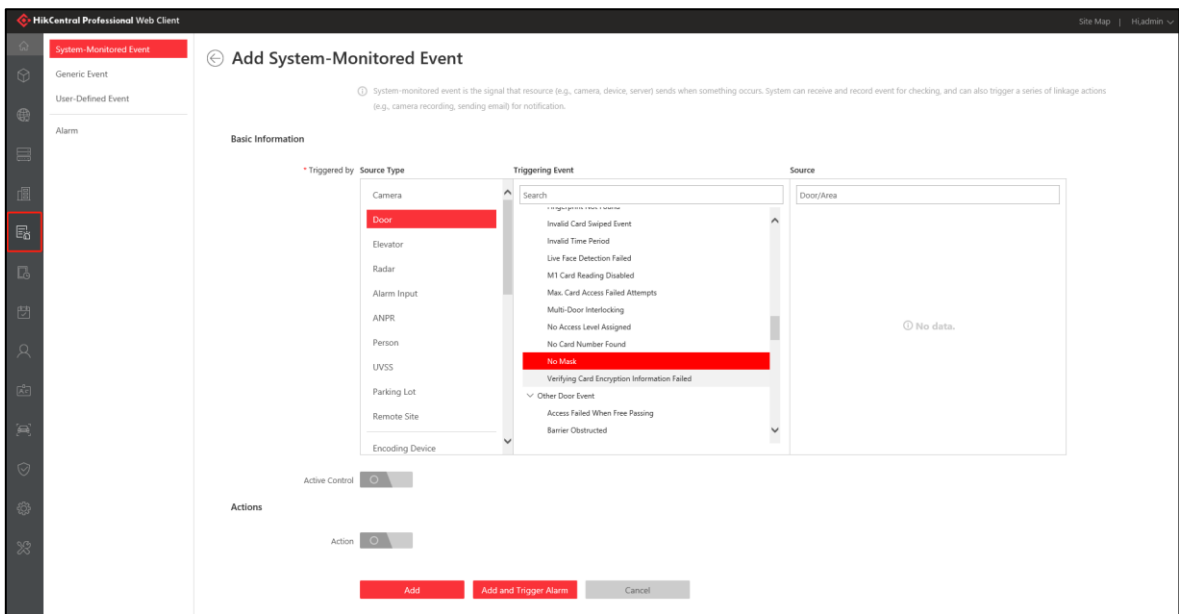


- Select Door of Source Type, select Abnormal Skin-surface Temperature of Triggering Event/Abnormal Card Swiping, select access control point of Source and click **Add** and **Trigger Alarm** to add alarm.





- Select Door of Source Type, select No Mask of Triggering Event/Abnormal Card Swiping, select access control point of Source and click **Add and Trigger Alarm** to add alarm.

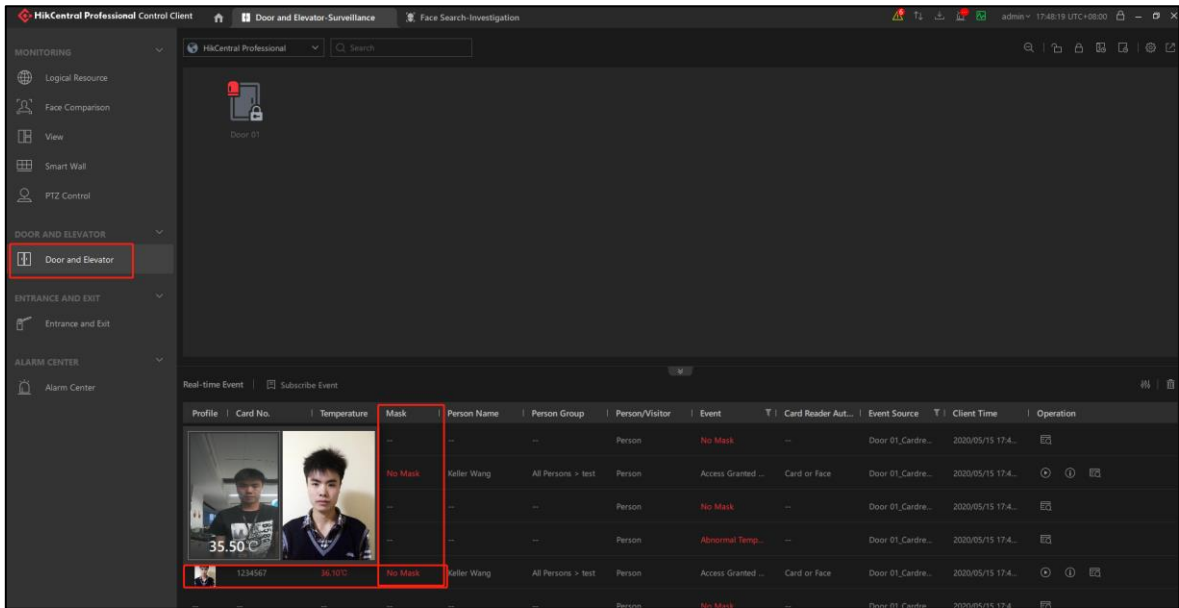


### 3.5 Function Operation

#### 3.5.1 Real-time Temperature Measurement/Mask Events

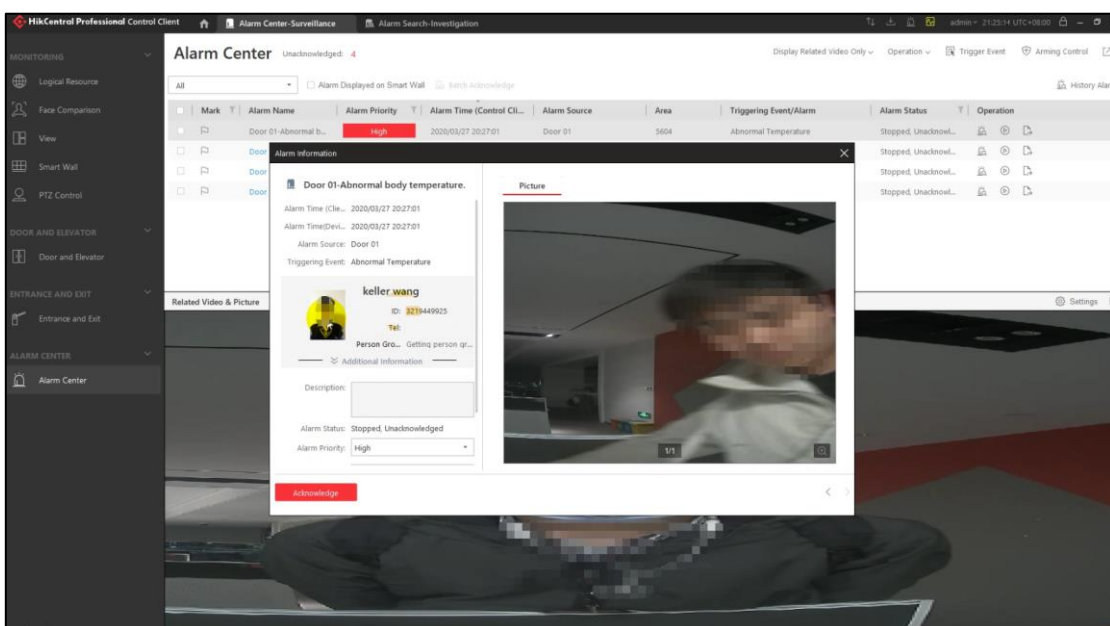
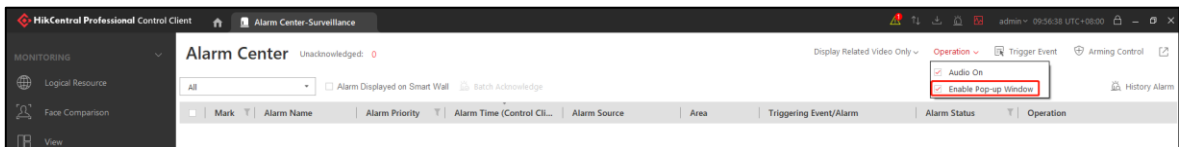
Real-time temperature measurement and Mask status events can be seen on the client,

abnormal Skin-surface Temperature and No Mask will be marked red.



### 3.5.2 Abnormal Temperature/No Mask Alarm

After the alarm is configured on the web client, if an alarm occurs, the control client will receive an alarm. If an alarm pop-up window is required, the Control client also needs to enable pop-up window.



**Alarm Information**

**5604-No Mask**

Alarm Time (Clien... 2020/05/08 15:53:51  
 Alarm Time(Devi... 2020/05/08 15:53:51  
 Alarm Source: 5604  
 Triggering Event: No Mask

**keller wang**  
 ID: 2500491403  
 Tel:  
 Person Gro... All Persons > test

Description:

Alarm Status: Stopped, Unacknowledged  
 Alarm Priority: High

**Acknowledge**

**Picture**

36.10°C

### 3.5.3 Event / Alarm Search

All historical alarms can be queried in the alarm search module

**Alarm Search**

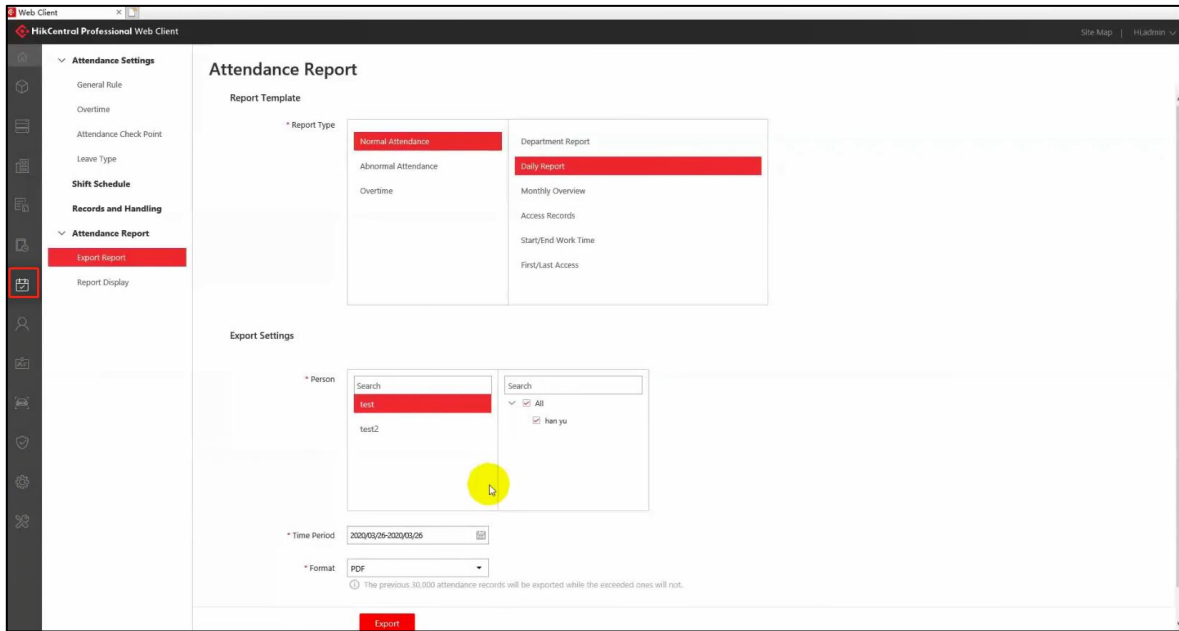
Time: Today  
 Resource Type: Door  
 Triggering Event: Abnormal Temperature  
 Source: 5604

Mark	Name	Priority	Alarm Time L...	Source	Area	Triggering Ex...	Status	Category	Operation
Door 01-Abno...	Door 01-Abno...	High	2020/03/27 20...	Door 01	5604	Abnormal Tem...	Unacknowledg...		
Door 01-Abno...	Door 01-Abno...	High	2020/03/27 20...	Door 01	5604	Abnormal Tem...	Unacknowledg...		
Door 01-Abno...	Door 01-Abno...	High	2020/03/27 20...	Door 01	5604	Abnormal Tem...	Unacknowledg...		

### 3.5.4 Attendance Report

Go to Web Client Home Page/Time & Attendance/Attendance Report/Export Report.

Select report type and click **Export** to export Attendance Report.

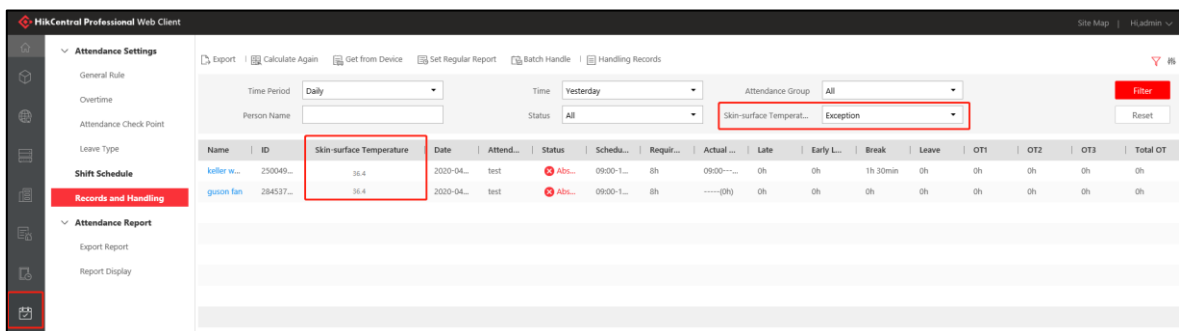


The report contains personnel temperature data and temperature status

Employee No	Person Name	Skin-surface Temperature	Skin-surface Temperature Status	Department	Attendance Group	Date	Shift Duration	Work Time	Over Time	Late Time	Early Leave Time	Leave Time	State	Attendance Record
123	han ju	36.50	Normal Status	All Person	test	2020-03-27	2020-03-27 09:00-2020-03-27 18:00	0	0	0	0	0	A	18550/191550/

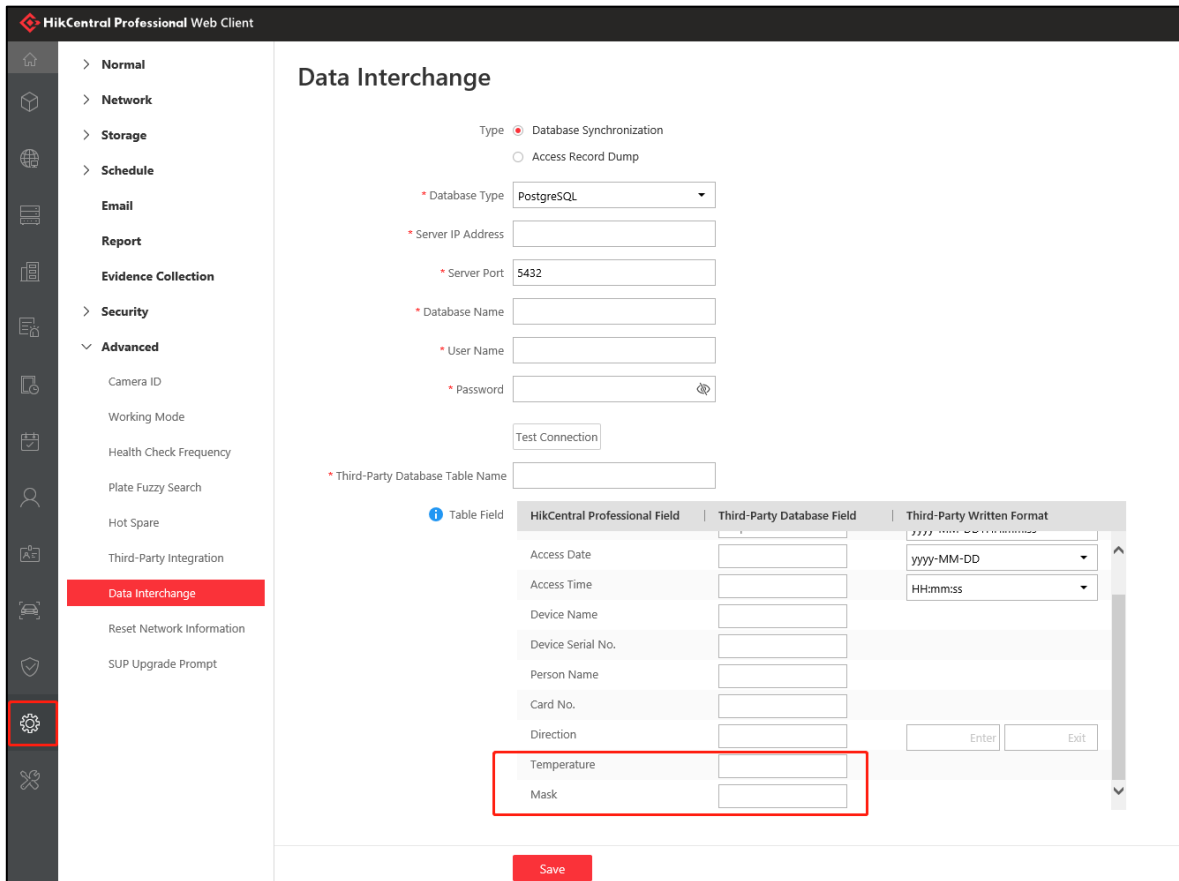
### 3.5.5 Search Person Batch by Temperature

Go to Home Page/Time Attendance/Records and Handling, we can search records by Skin-surface Temperature and we can edit the records

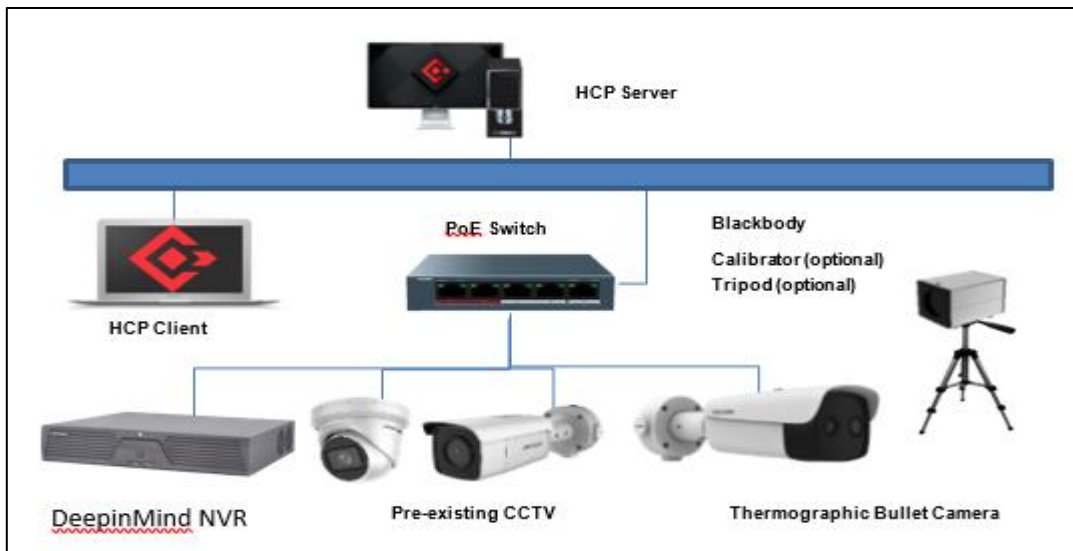


### 3.5.6 Data Interchange

Go to System/Advanced/Data Interchange, the table Field supports Mask status and Temperature value.



#### 4. Configuration for Interactive AI Temperature Screening

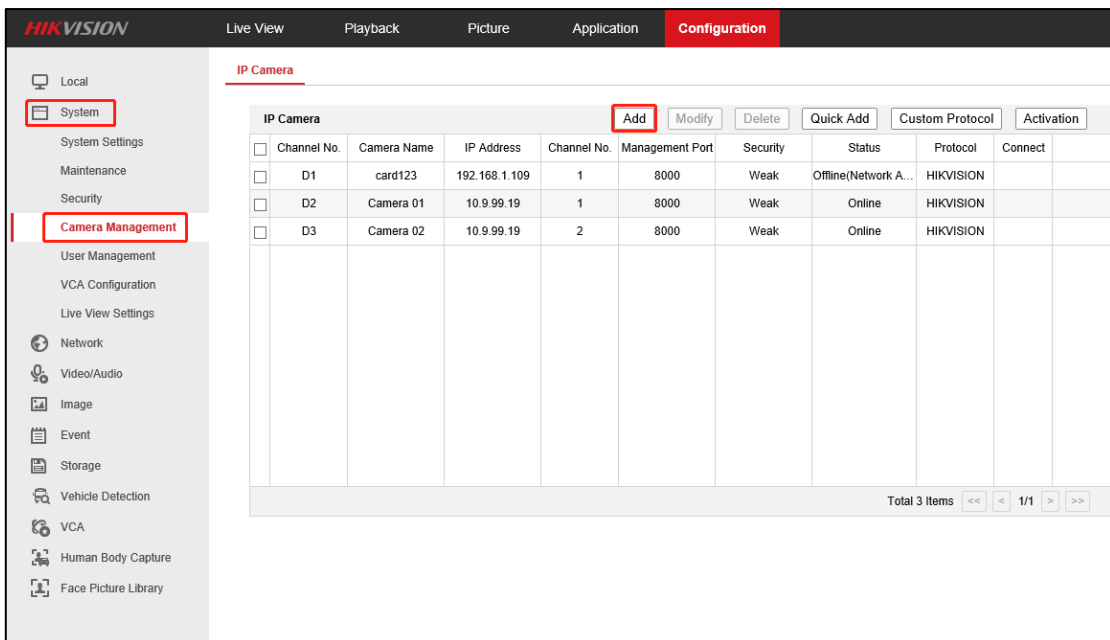


## 4.1 Thermal Camera Configuration

[Please click here to check the Configuration for Thermal Camera](#)

## 4.2 Add Device

1. Login to the website of DeepinMind NVR
2. Go to **Configuration/System/Camera Management**. Click **Add** to add the thermal camera to NVR.



3. Go to HikCentral Web Client Home Page/License Detail. Click **Configuration** of Facial Recognition Camera and click **Add** to add the thermal camera.

HikCentral Professional Web Client Site Map | Hi.admin

**Configuration**  
This section offers functions used to configure the system.

Remote Site Management

Physical View

Logical View

Event & Alarm

Access Level

Time & Attendance

Person

Visitor

Vehicle

Security

System

**Applications**  
This section offers various applications to help security professionals.

Monitoring

Intelligent Analysis

Skin-surface Temperature

**Access Control**  
Quick Start >

**Tool**  
Access Control Test >

**Help**  
[Web Client Video Tutorial](#)  
[Web Client User Manual](#)

**Maintenance**  
[Back Up and Restore System Data](#)  
[Export Configuration Data](#)  
[Upgrade Device Firmware](#)

**License**  
[License Details](#)

License Expiry Date: 2020-10-12  
[Update License](#) >  
[Deactivate License](#) >

**Download Installation Package**  
[Control Client\(V1.6.0.0\)](#)

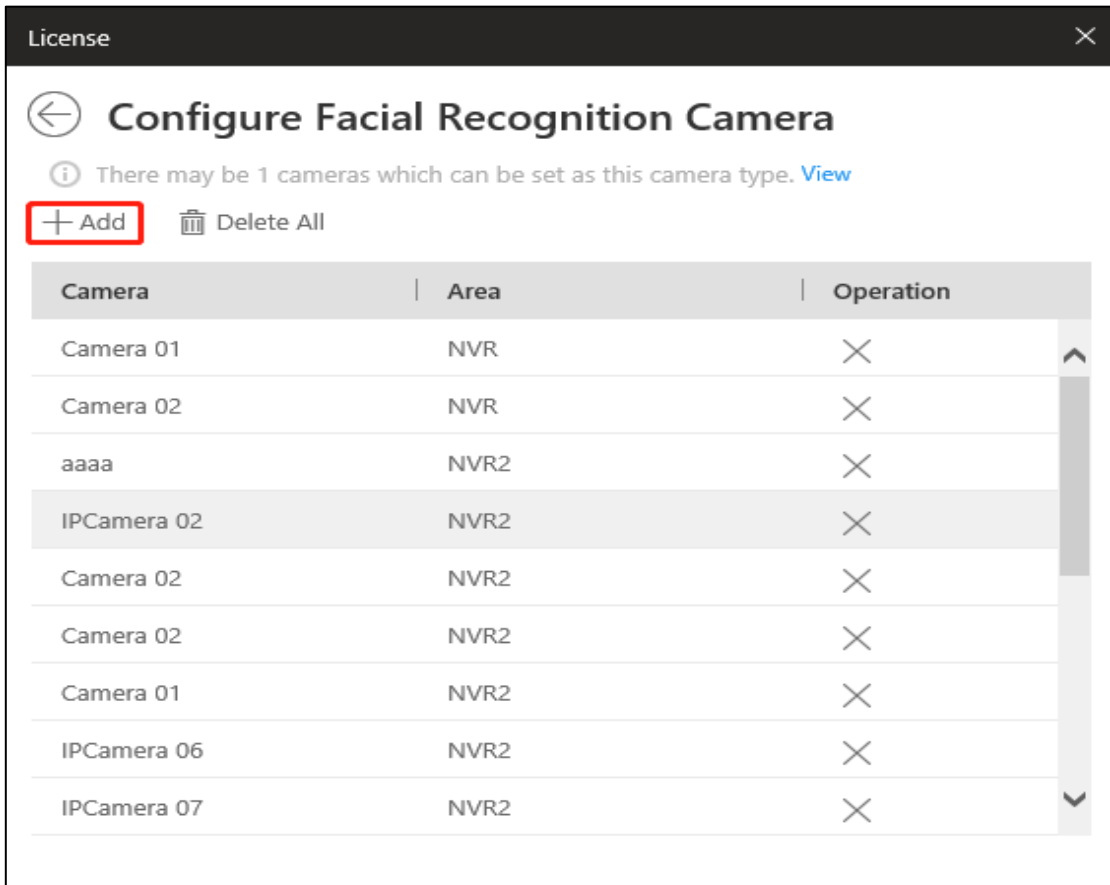
**License** ✕

License Details   License List

	Authorization Details	Details
▼	Camera(Exclude Cameras Imported from...	19/1202
	ANPR Camera	0/202 <a href="#">Configuration</a>
	Facial Recognition Camera	18/200 <a href="#">Configuration</a>
	Thermal Camera (Report Supported)	2/200 <a href="#">Configuration</a>
	Access Point	0/330
	Floor	0/512
	Alarm Input (Security Control Device)	0/2048
	- .	- . .

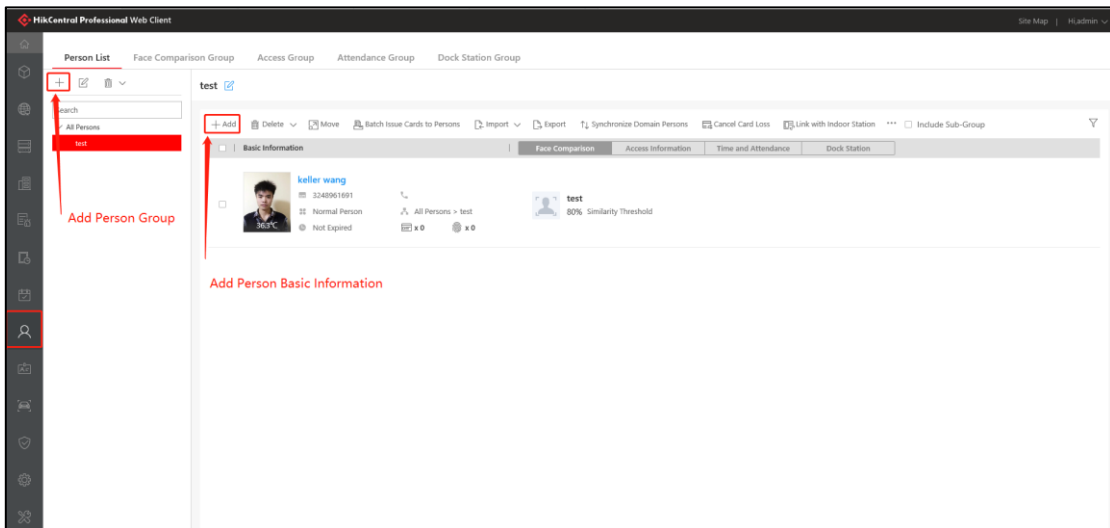
*(i)* Please properly keep your activation code. Deactivate the SYS if you need to uninstall the SYS, otherwise the activation code cannot be used any more.

Close



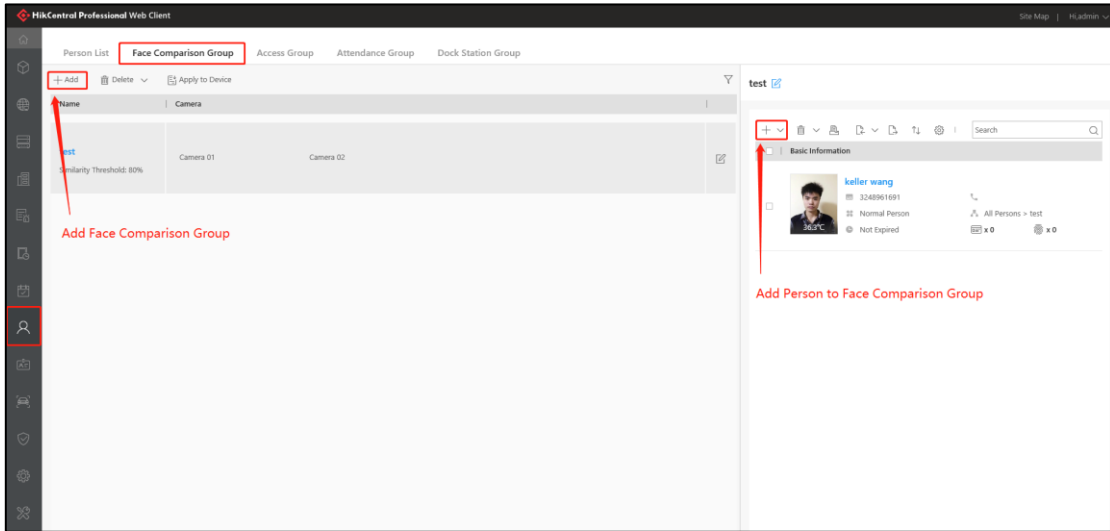
### 4.3 Personnel Management

#### 1. Add Person Basic Information

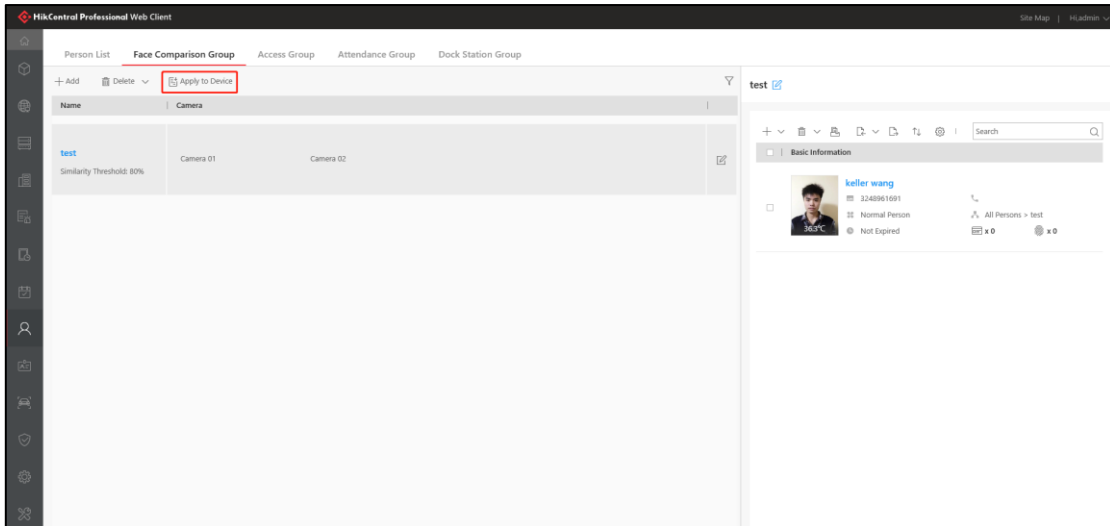


#### 2. Add Face Comparison Group and add person to this group.





### 3. Apply group to Device



**i** 1. It only supports applying to camera which supports face picture comparison.  
2. The maximum number of groups that can be applied to the camera depends on the camera capability.  
3. One camera can only have one similarity threshold. The latest applied threshold will take effect.

**\* Apply Group**

Search

All

test

**\* Apply to Camera**

Search

NVR

Camera 01

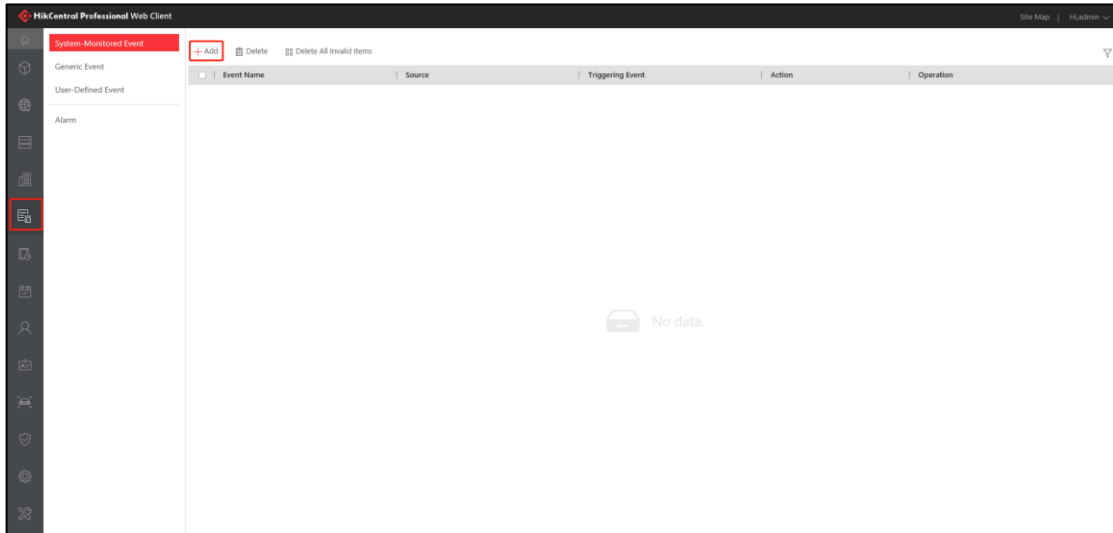
Camera 02

NVR2

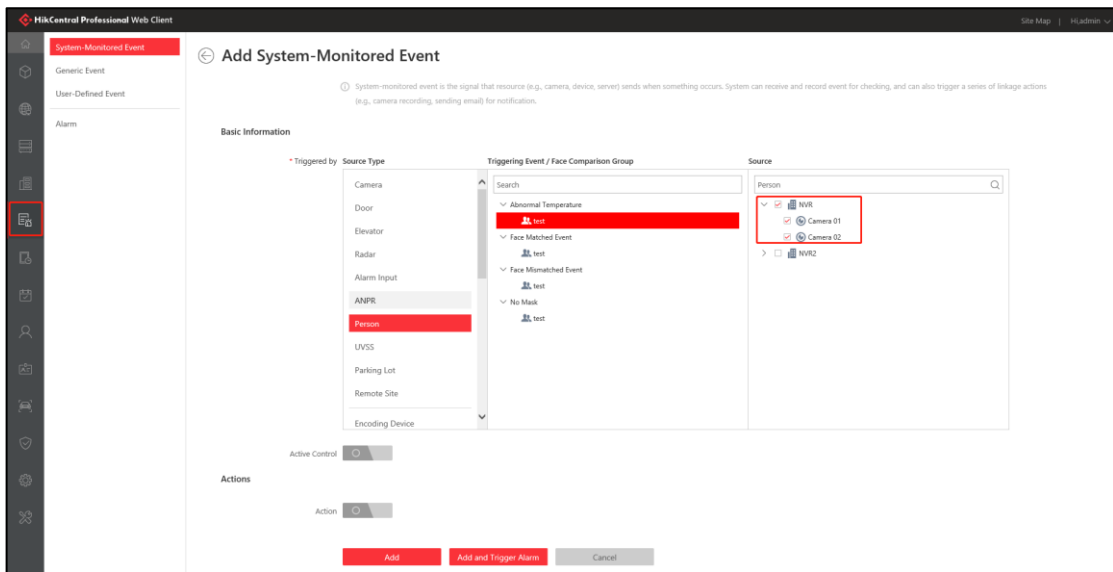
Apply

#### 4.4 Event & Alarm Configuration

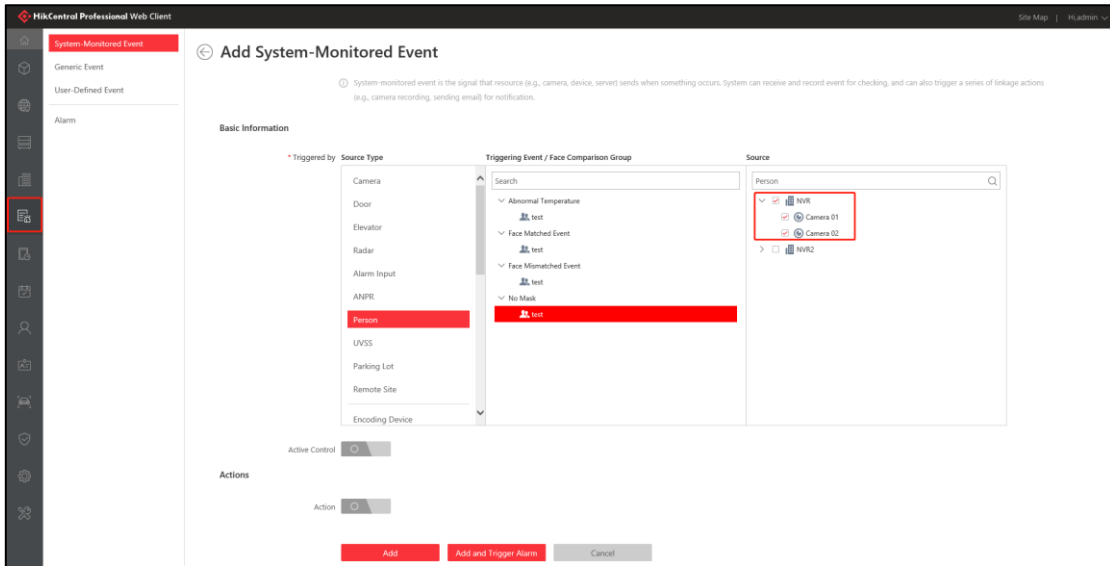
Go to Home Page/Event & Alarm/ System-monitored event. Click Add to add Event.



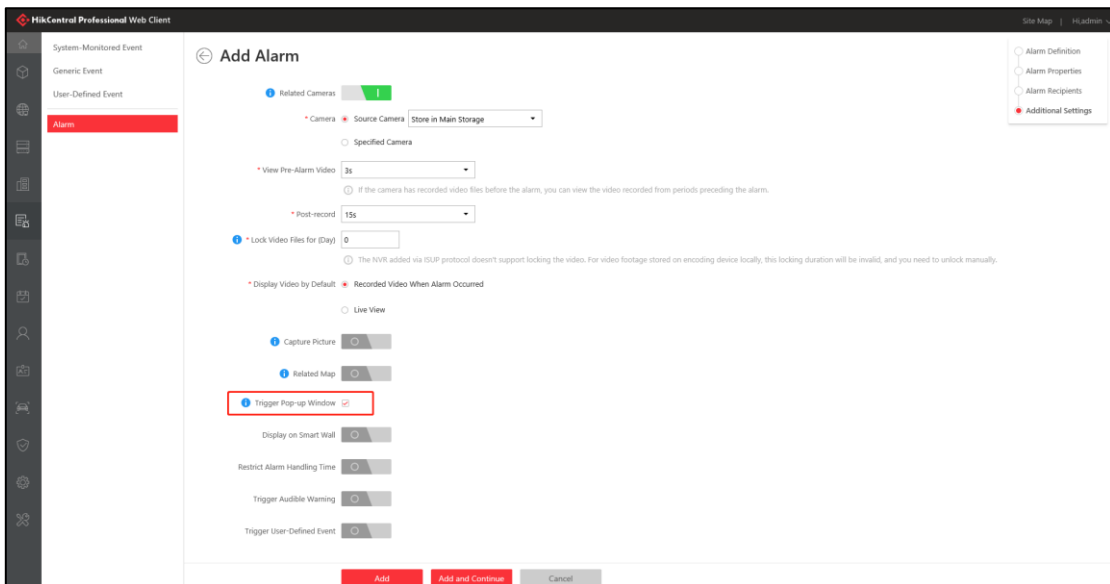
- Select Person of Source Type, select one Face Comparison Group under Abnormal temperature of Triggering Event/Face Comparison Group, select Camera of Source and click **Add and Trigger Alarm** to add alarm.



- Select Person of Source Type, select one Face Comparison Group under No Mask of Triggering Event/Face Comparison Group, select Camera of Source and click **Add and Trigger Alarm** to add alarm.



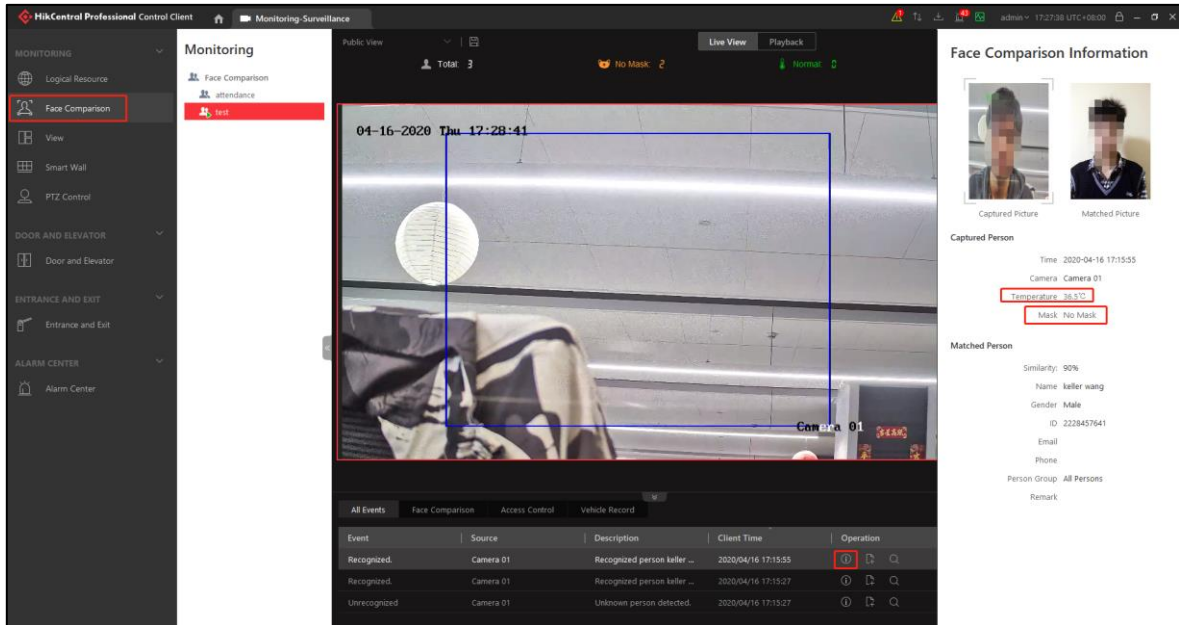
When you add alarm, you can enable Trigger Pop-up Window if you need



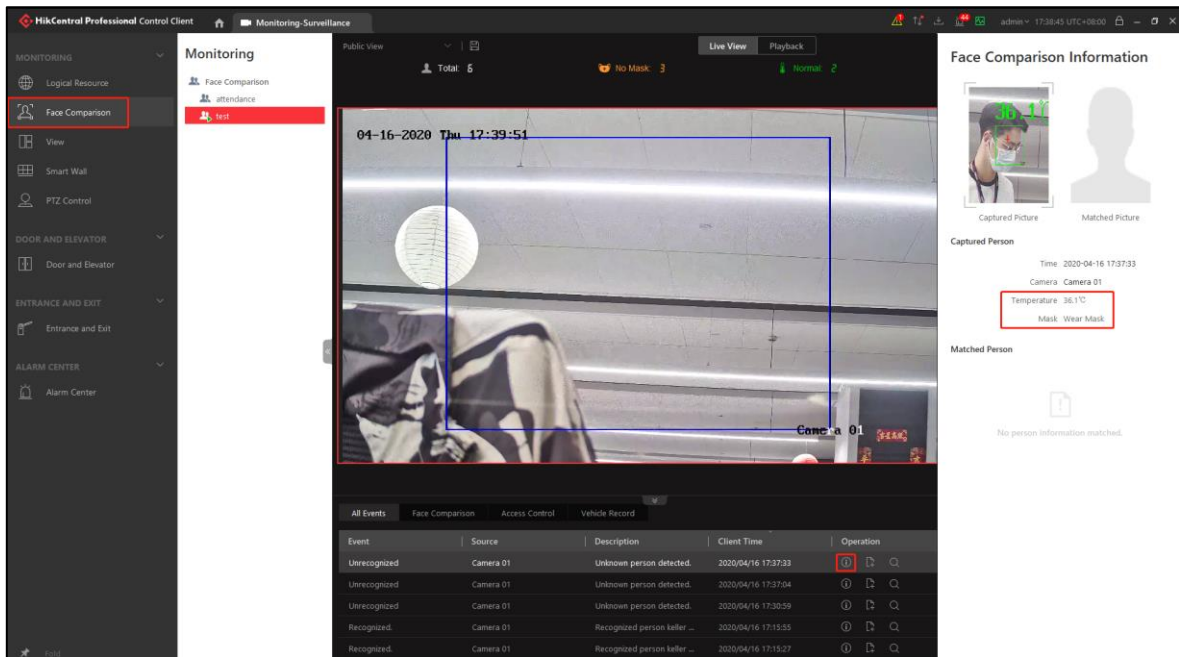
## 4.5 Function Operation

### 4.5.1 Real-time Face Events

In the preview interface, you can see real-time events and can view details



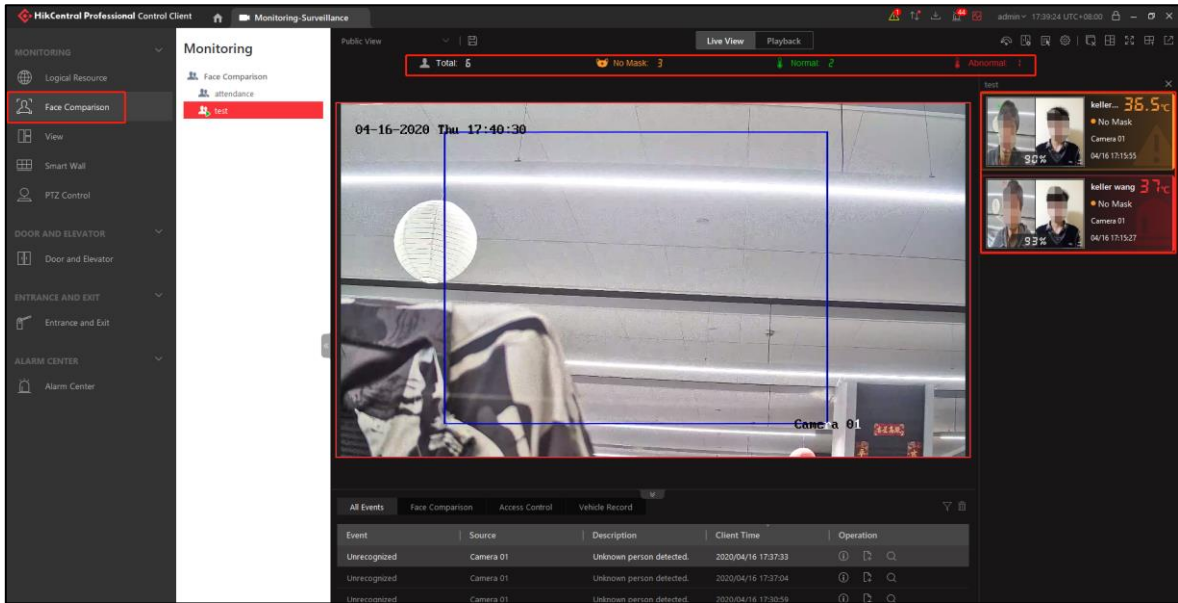
People Matched



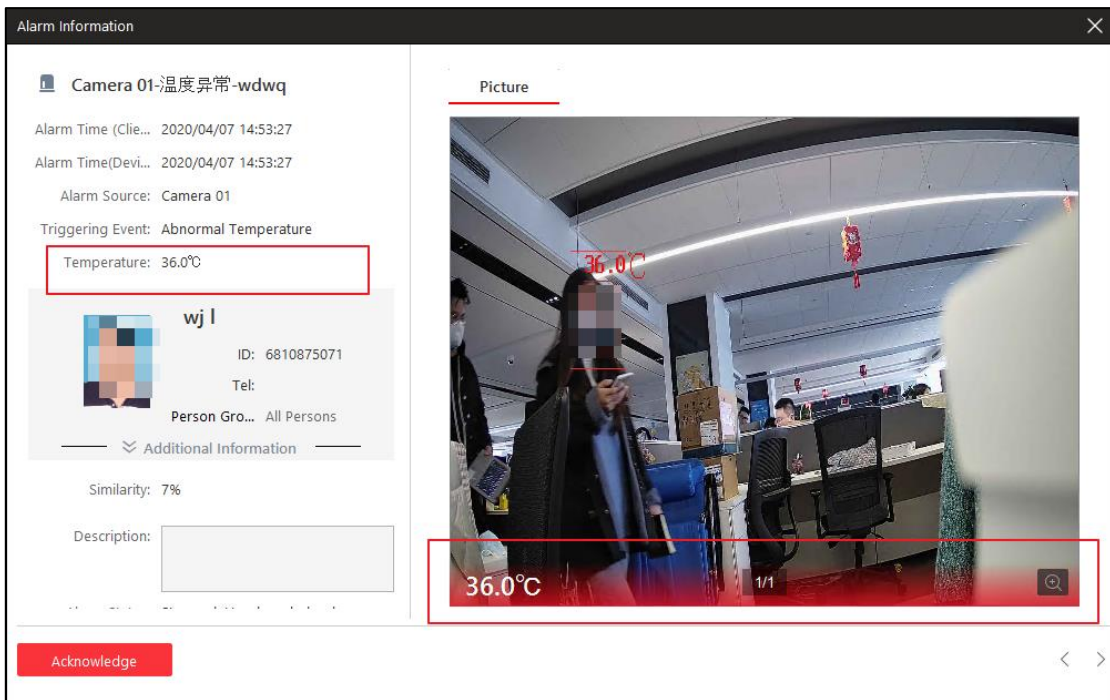
People Mismatched

And the interface can show the number of detected persons totally, the number of No Mask person, the number of Normal Temperature person and the number of Persons with abnormal Temperature.

And all the face comparison success results will display on the right



#### 4.5.2 Abnormal Skin-surface Temperature Alarm



Abnormal temperature alarm in person matched

Alarm Information

Camera 01-温度异常-wdwq

Alarm Time (Client) 2020/04/07 16:56:37

Alarm Time (Device) 2020/04/07 16:56:37

Alarm Source: Camera 01

Triggering Event: Abnormal Temperature

Temperature: 36.2°C

Description:

Alarm Status: Stopped, Unacknowledged

Alarm Priority: High

Alarm Category: <None>

Turn Off Alarm O...

Remark:

Acknowledge

Picture

36.2°C

36.2°C

Abnormal temperature alarm during person mismatched

### 4.5.3 Alarm Without Mask

Alarm Information

Camera 01-未戴口罩事件-wdwq

Alarm Time (Client) 2020/04/07 14:58:09

Alarm Time (Device) 2020/04/07 14:58:09

Alarm Source: Camera 01

Triggering Event: No Mask

wj l

ID: 6810875071

Tel: Person Gro... All Persons

Additional Information

Similarity: 5%

Description:

Alarm Status: Stopped, Unacknowledged

Acknowledge

Picture

35.1°C

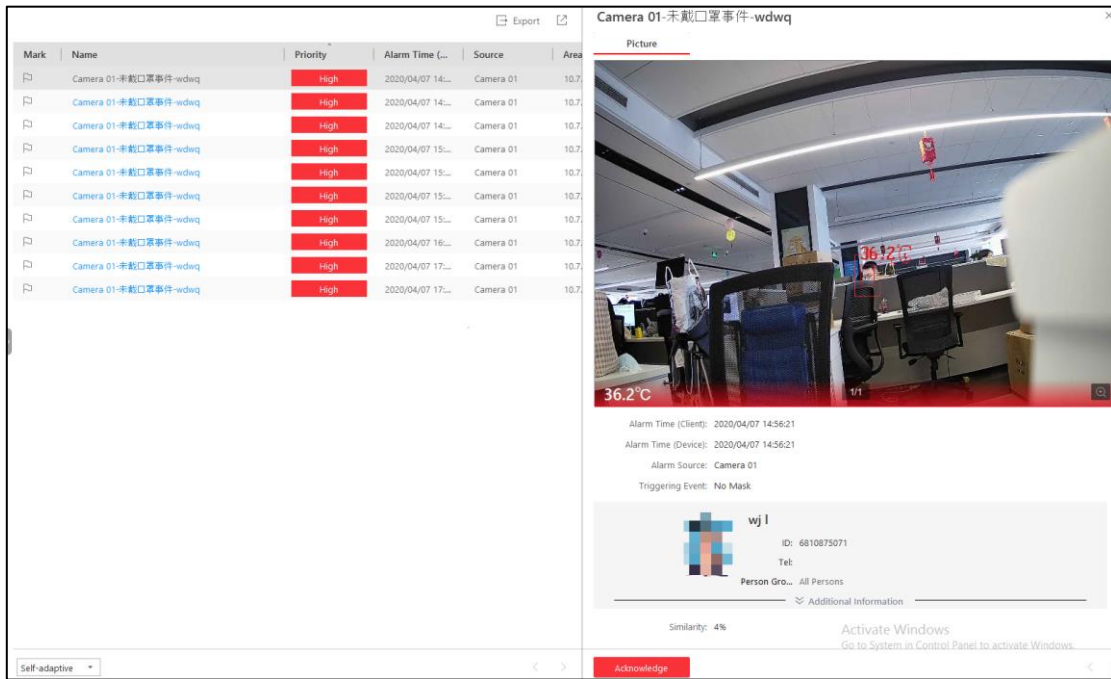
35.1°C

Personnel match and do not wear mask alarm









View alarm information without wearing a mask

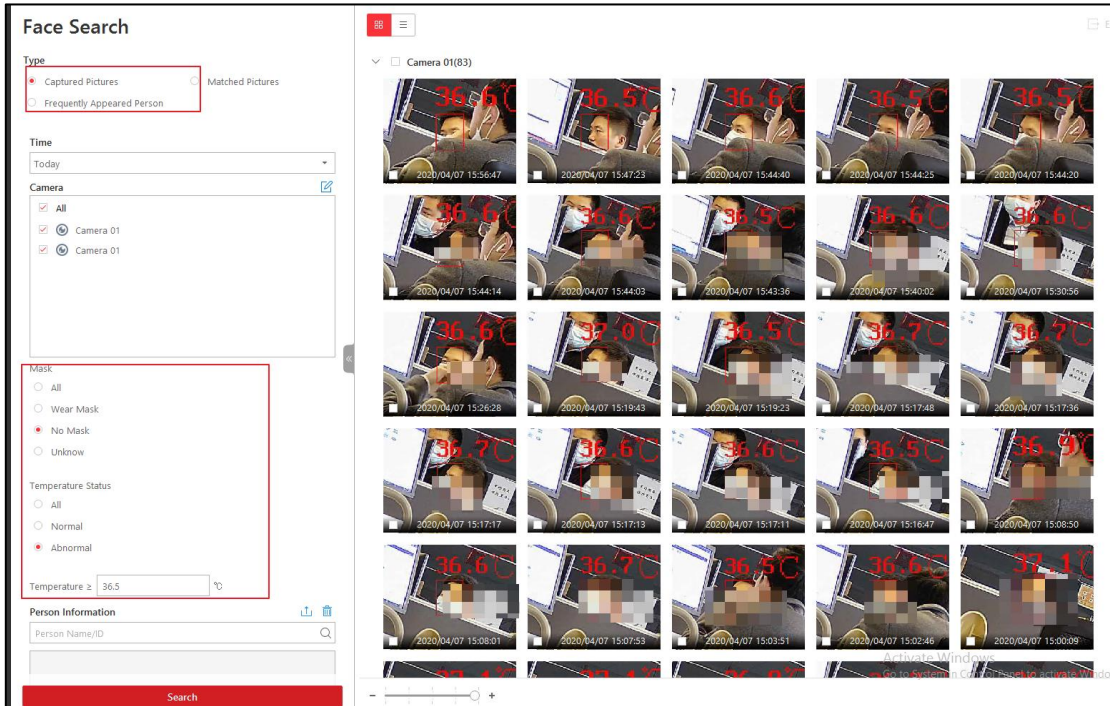
Event search is similar to alarm history search

#### 4.5.5 Face Search

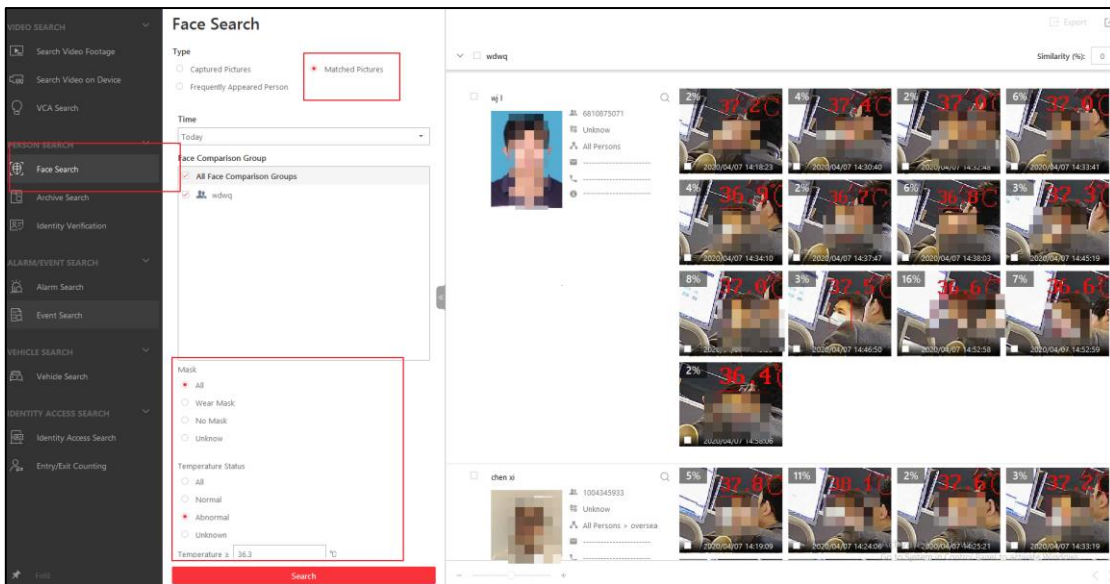
##### Captured picture search

You can search for pictures based on mask status, Skin-surface Temperature status and Skin-surface Temperature numerical conditions.

**Note:** If you upload pictures (that is search for pictures with pictures), the conditions of mask status, Skin-surface Temperature status and Skin-surface Temperature value are invalid.



Matched Pictures search

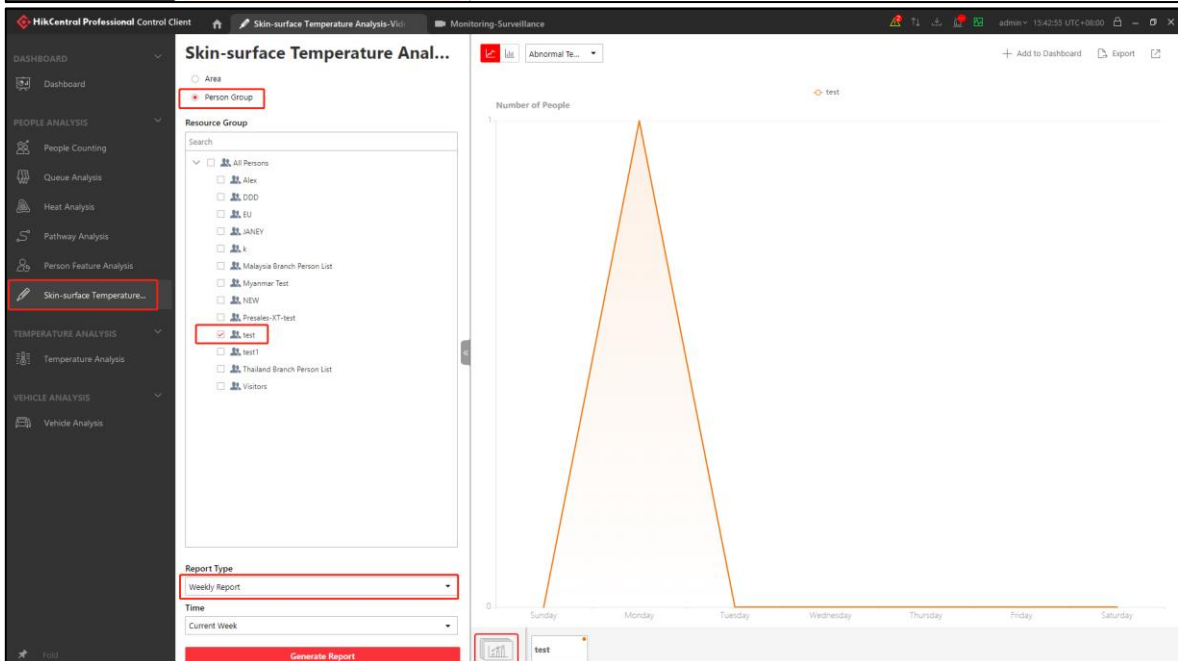
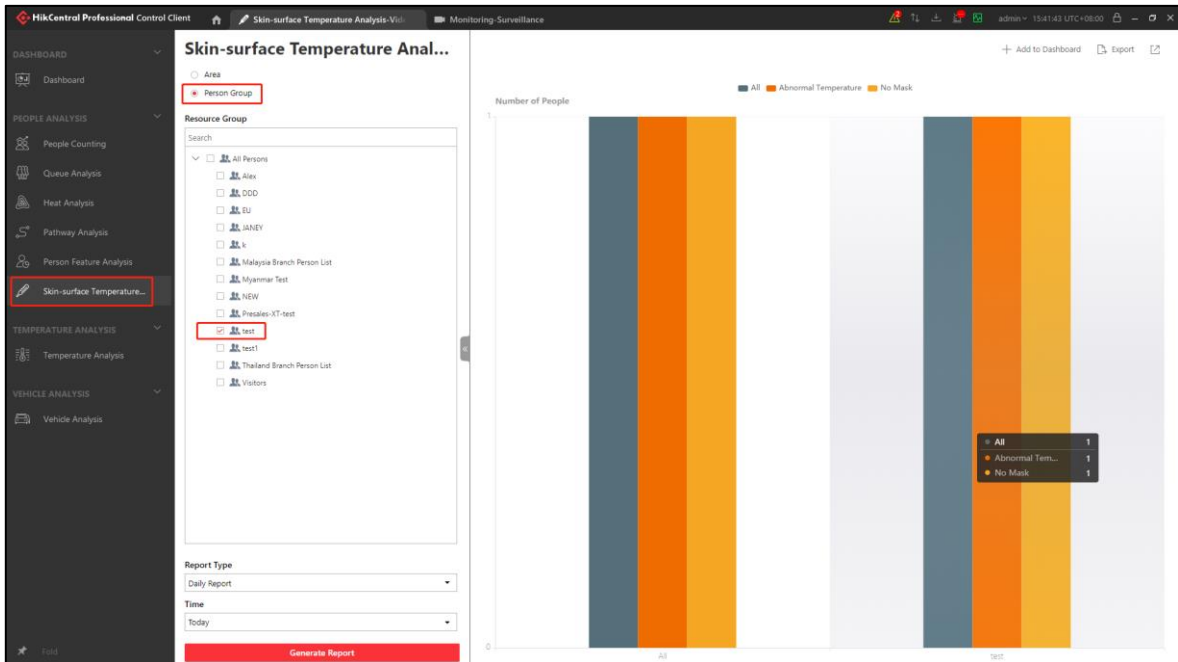


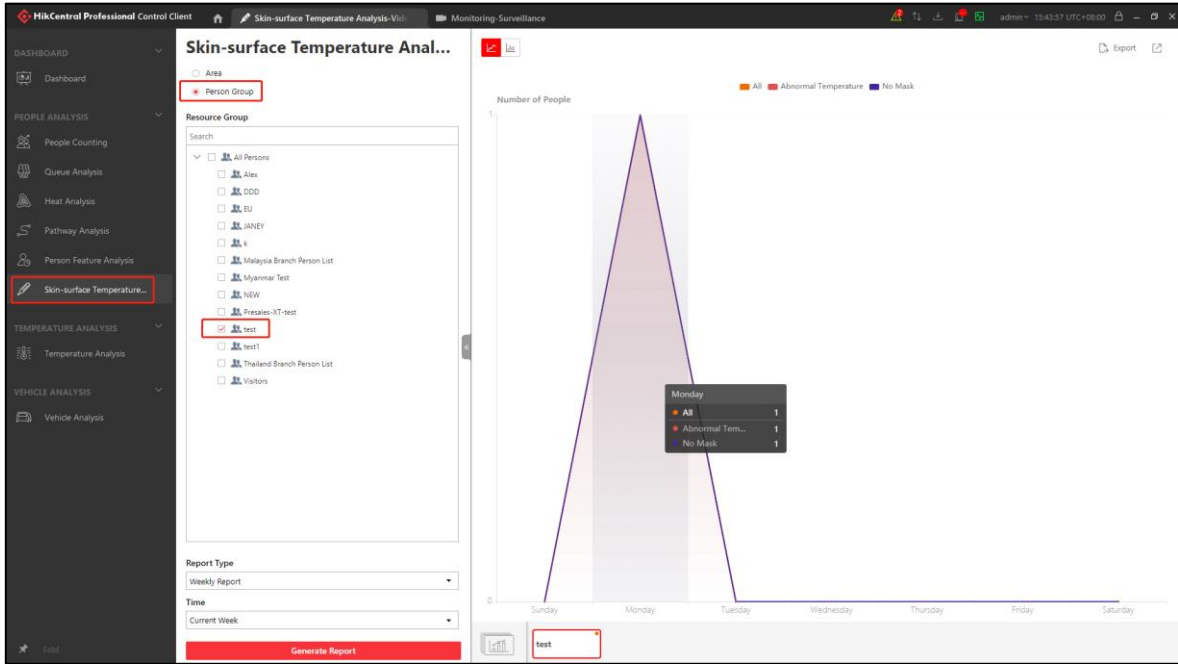
#### 4.5.6 Human Skin-surface Temperature Analysis Report

The report module adds the human Skin-surface Temperature measurement analysis function, select the personnel group, report type, and time to be checked, click Generate Report to generate histograms and line charts, and count the effective collection total

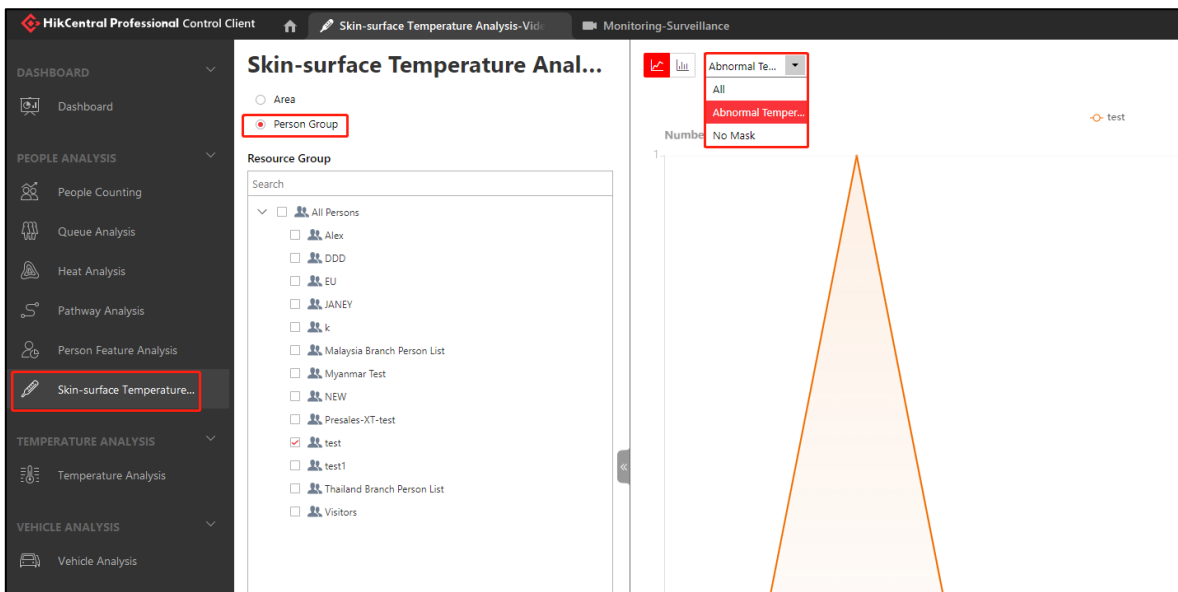
number, the number of abnormal temperature measurements and the number of people without masks.

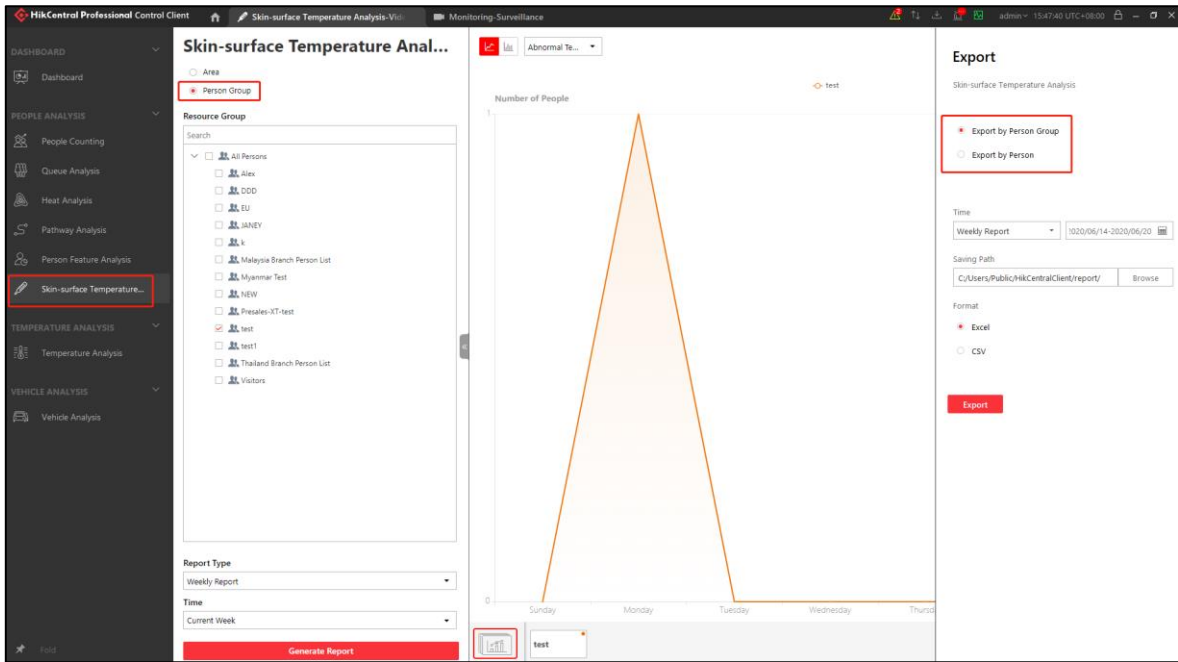
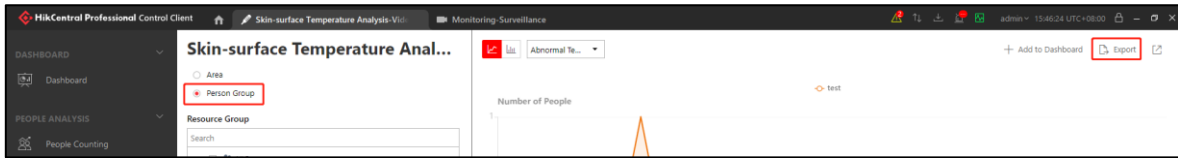
**Note:** Effective collection refers to the last non-status-unknown data collected by the DeepinMind NVR or MinMoe device per person per day, and the uncollected people are not counted in the total report.





The human Skin-surface Temperature measurement analysis supports report export, which can be selected to export by personnel group and export by personnel, and export the statistics of the number of people with abnormal Skin-surface Temperature and the number of people wearing masks without masks.





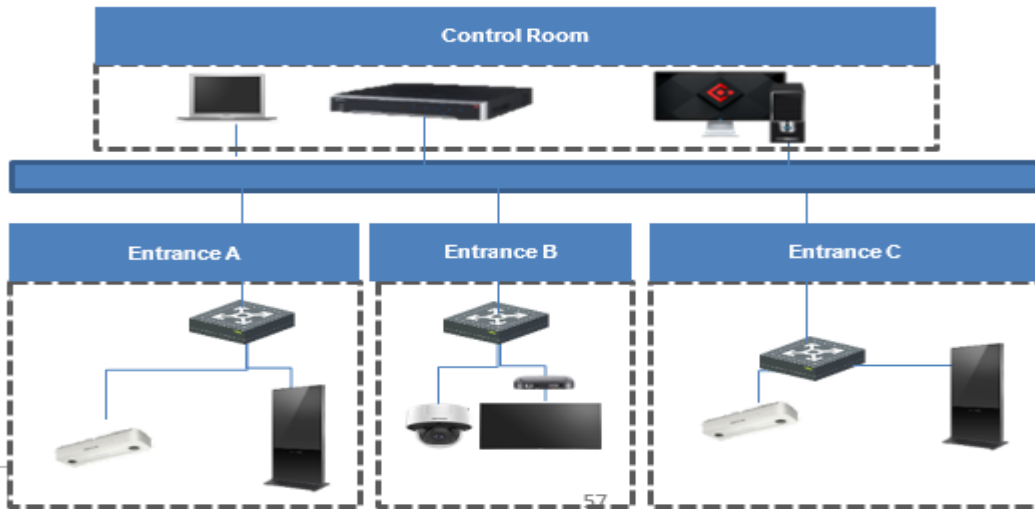
Skin-surface Temperature Analysis								
<b>Basic Information</b>								
Export Time: 2020/04/20 20:41:58								
Exported by: admin								
Export Content: Person Group ID, Person Group Name, Person ID, Person Name, Temperature Status, Temperature, Mask								
Report Time: 2020/04/19 00:00:00 - 2020/04/25 23:59:59								
Total Number: 2								
No.	Time	Person Group ID	Person Group Name	Person ID	Person Name	Temperature Status	Temperature	Mask
1	2020/04/20 20:33:08	3	test	2500491403	keller wang	Abnormal	36.4°C	No Mask
2	2020/04/20 20:33:09	3	test	2845377895	guson fan	Abnormal	36.4°C	No Mask

Export by personnel to display the detailed temperature and Skin-surface Temperature status of each individual and the status of wearing a mask.

**Note:** The Person Group of report contains the person matched data, the area of report just contains the person mismatched data.

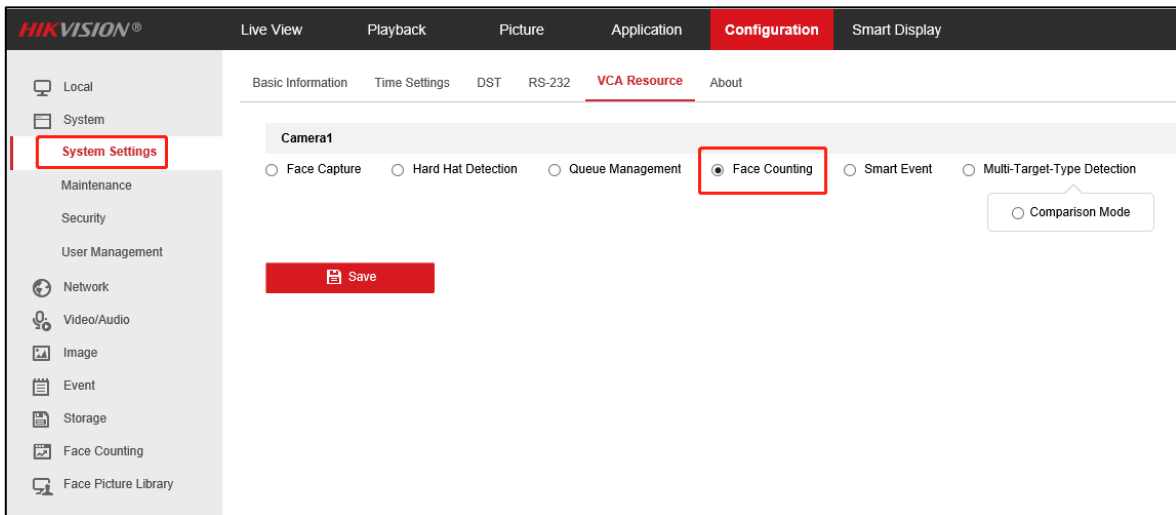
[Please click here to check the report with person mismatched data.](#)

## 5. Configuration for Social Distancing-Flow Control

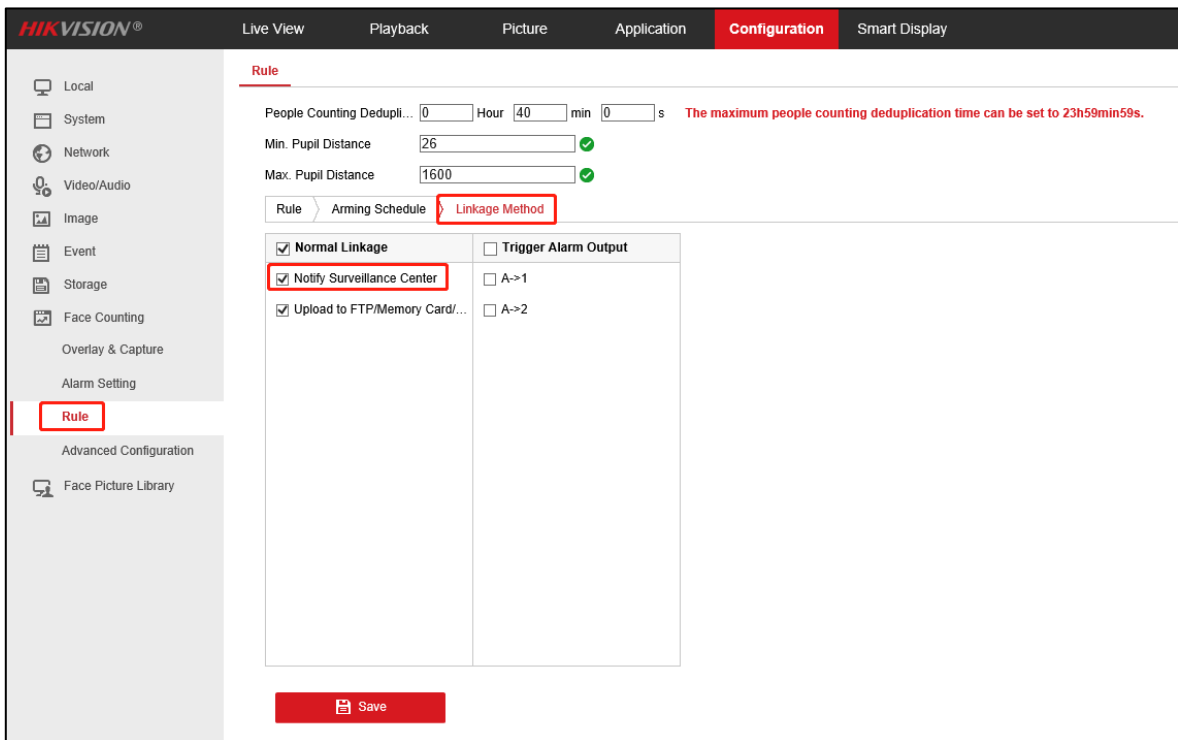
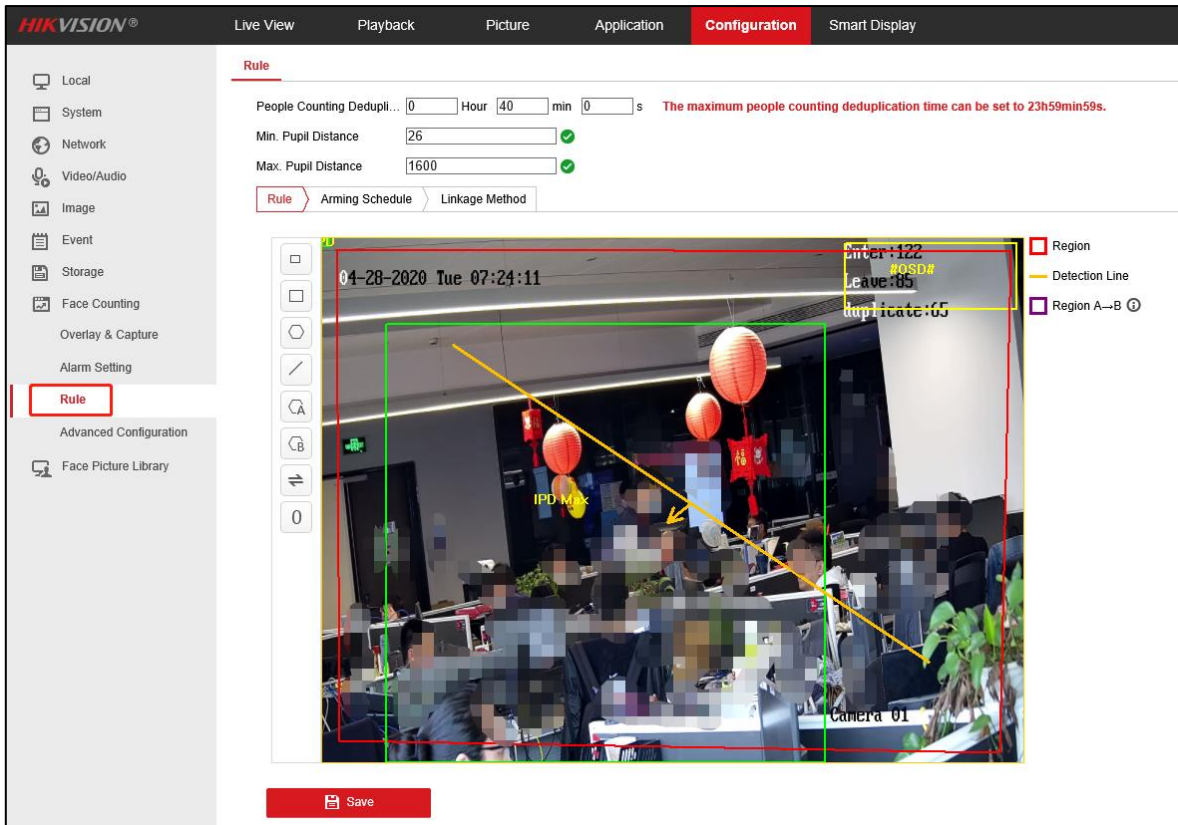


### 5.1 Camera Configuration

1. Login to device website, Go to **Configuration/System/System Settings**. Select **Face Counting** and click **save**.

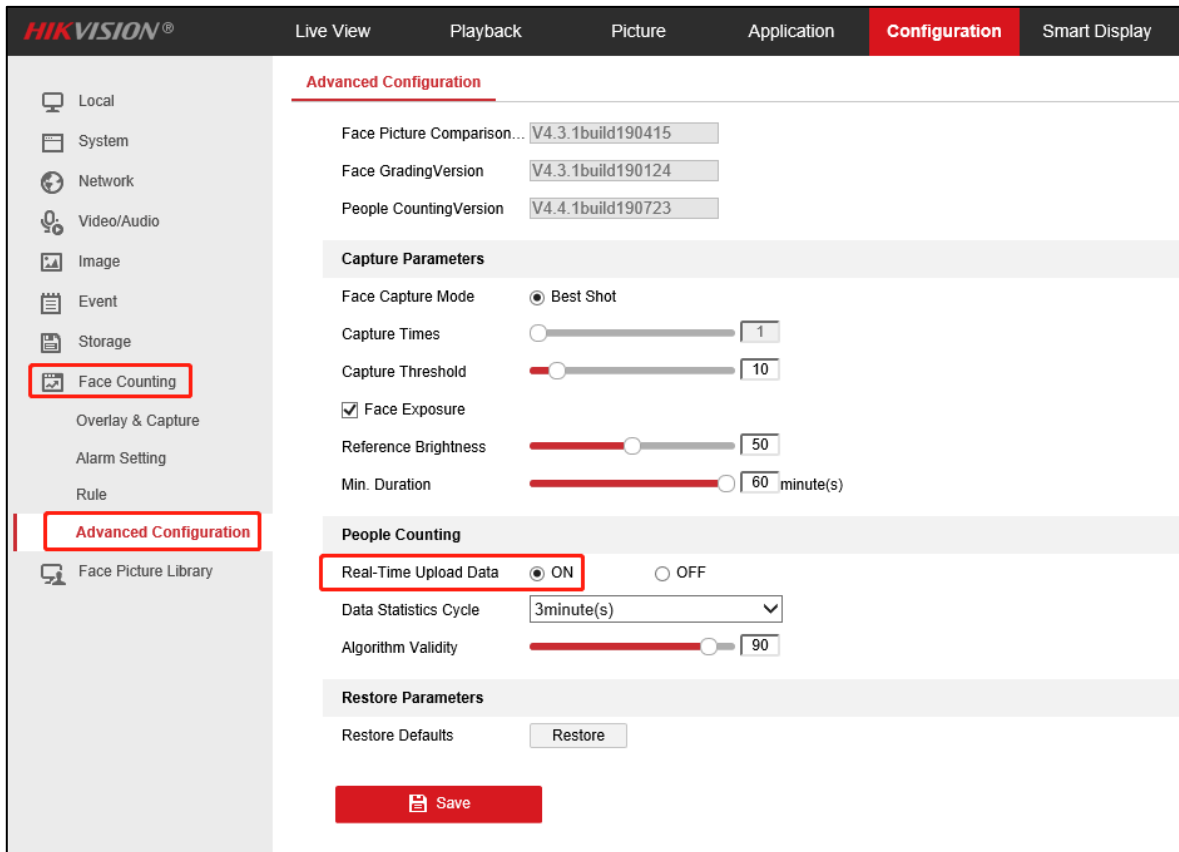


2. Go to **Configuration/Face Counting/Rule**, set the rule and select **Notify Surveillance Center**



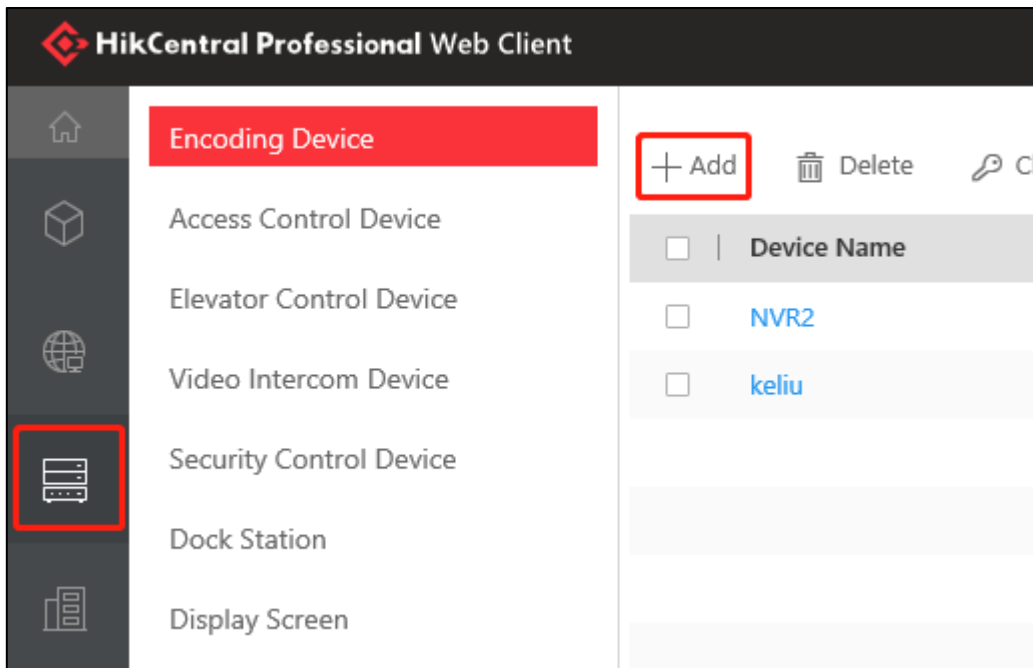
- Go to Configuration Face Counting/Advanced Configuration/People Counting/Real-Time Upload Data. Select ON and click save.

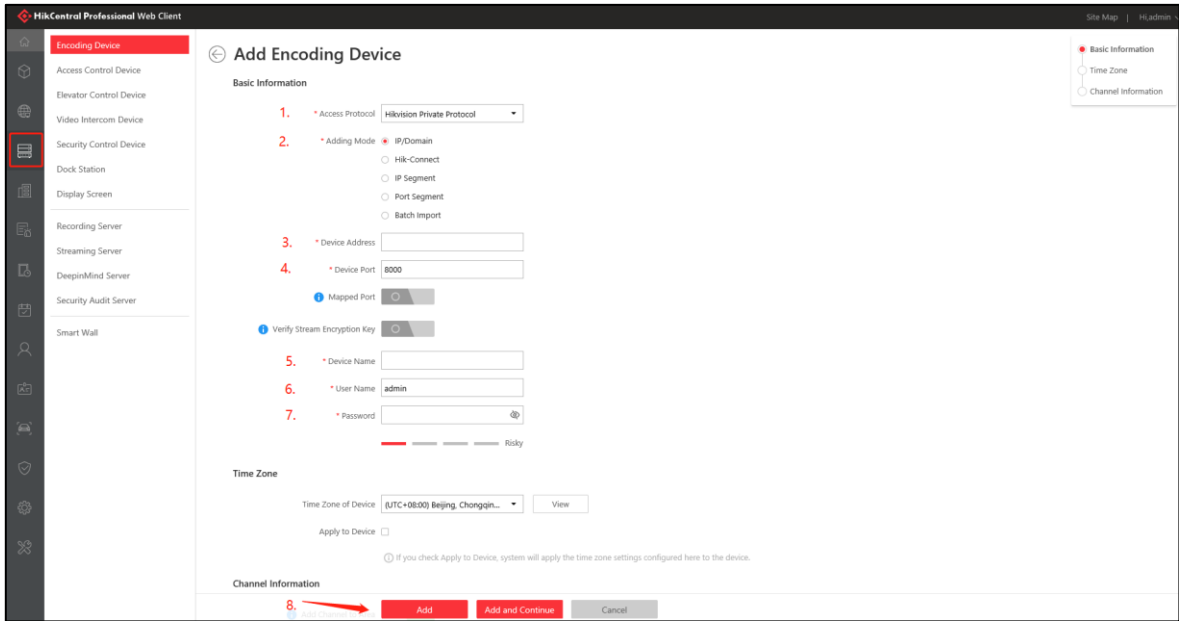




## 5.2 Add Device

1. Go to Home Page/Physical View/Encoding Device. Click Add to add device.

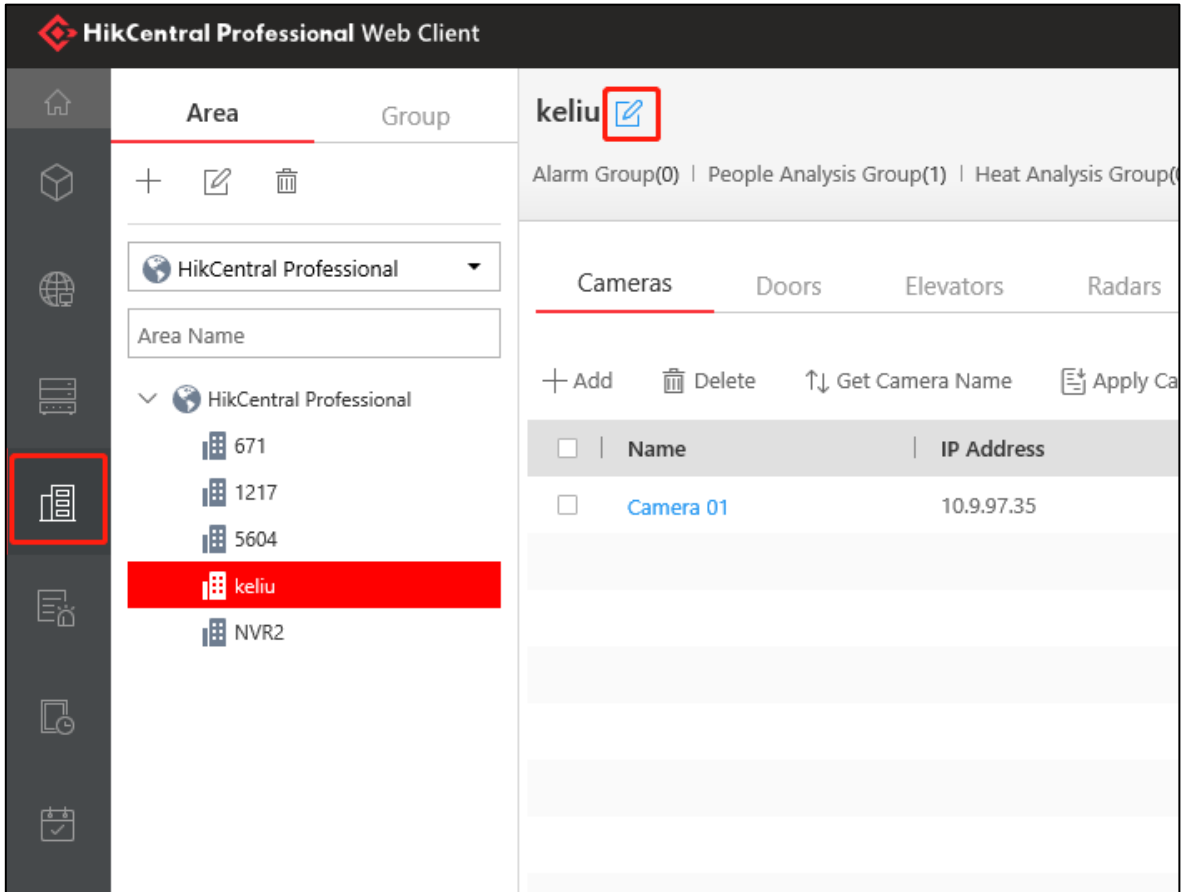




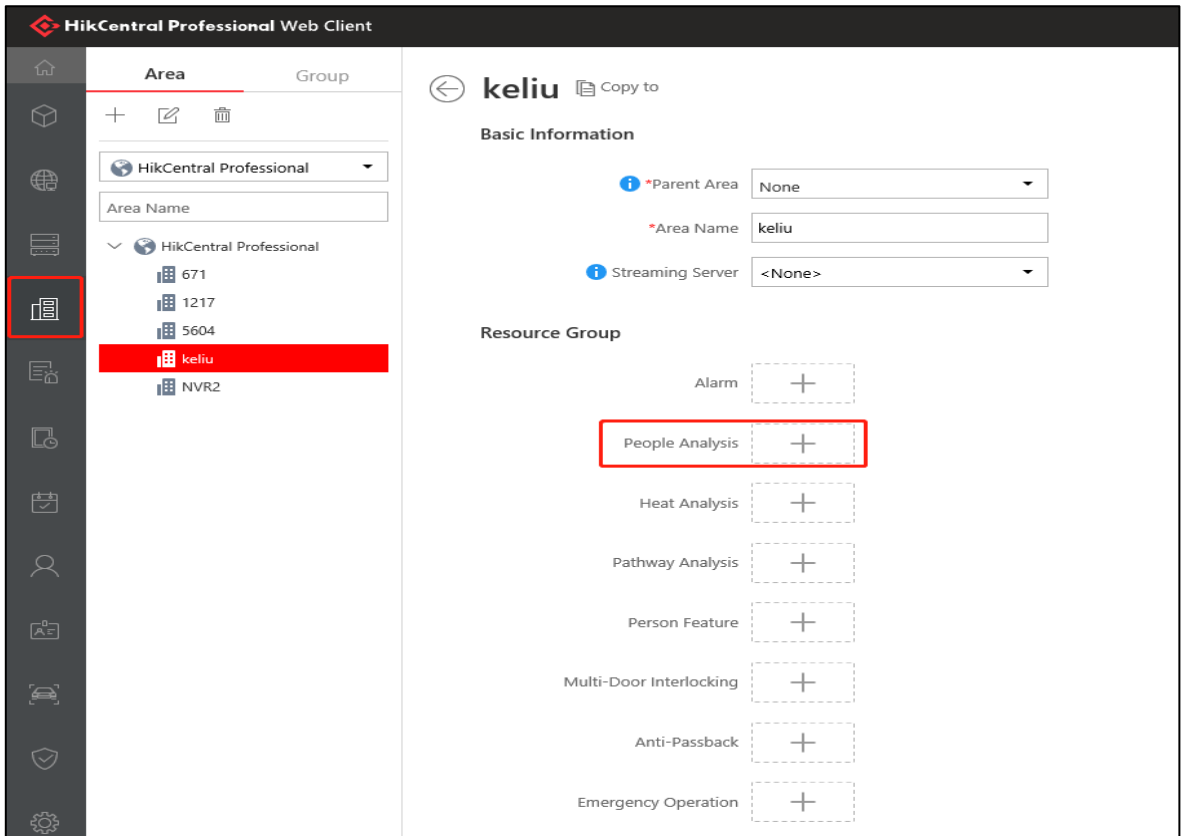
**Note:** 6825 camera supports access to platform by ISUP5.0 and upload people counting data.

### 5.3 Resource Group Configuration

1. Go to Home Page/Logical View. Select the area of camera and click edit.



3. Add People Analysis Group



Select People Counting of Analysis Type, fill the Name, fill the number of Maximum people Amount, Add the Camera, and add this group to map, click **save**.

You can add the door of Access Control to **RES for People Stayed CALC** also. It means Access Control support Flow Control Function.

**Add People Analysis**

\*Analysis Type  Entry & Exit Counting  **1. People Counting**

**2.** \* Name  ✓

**3.** \* Maximum People Amount  ✓

RES for People Stayed CALC  **4.**

Name	Entering and Exiting	Operation
Camera 01	<b>5.</b> Entered: Entering. Exited: Exiting. ▾	×

**6.**  Add to Map

By default, it is added to the map on the right.

**7.**

### Access Flow

1 Analysis Type: People Counting

2 \* Name: Access Flow

3 \* Maximum People Amount: 1

Correct Amount of People Stayed:  Correct

RES for People Stayed CALC: + Add 4

Name	Entering and Exiting	Operation
5 Door 01	Cardreader 01: Entering. Cardre...	×

6 Add to Map

By default, it is added to the map on the right.

Save Cancel

### HikCentral Professional Web Client

Area: Group

Area Name:

Area List:

- 671
- 1217
- 5604
- keliu**
- NVR2

#### keliu

Basic Information

- \*Parent Area: None
- \*Area Name: keliu
- Streaming Server: <None>

Resource Group

Alarm: +

People Analysis: + Add

Name	Maxim...	Added to Map	Operation
test	5	Yes	<span>✎</span> <span>×</span>

Heat Analysis: +

Pathway Analysis: +

Person Feature: +

Multi-Door Interlocking: +

Anti-Passback: +

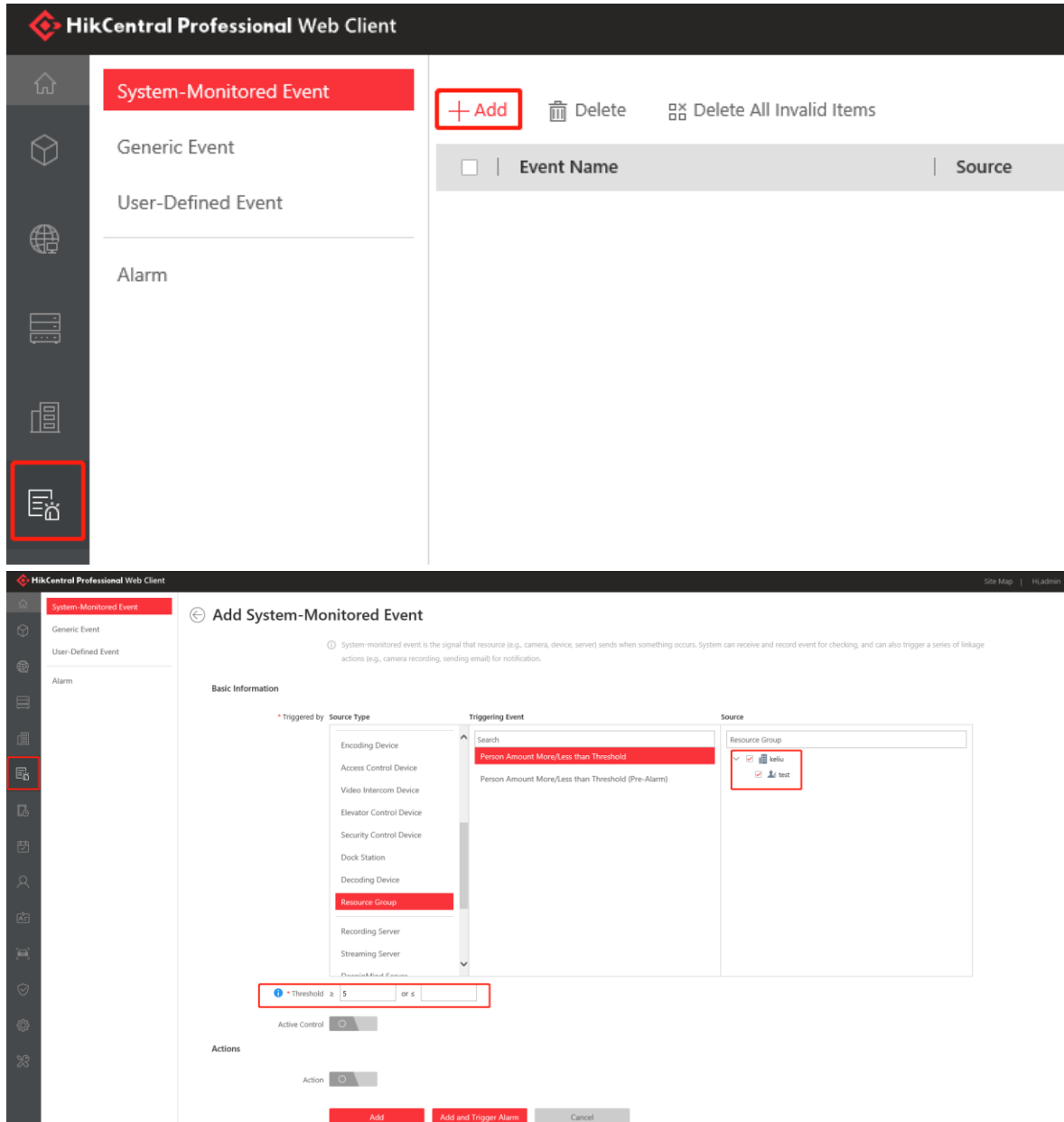
Save Cancel

**Note:** If the access control device enable the **Thermography Mode**, when device detect the person temperature is normal, the number of PEOPLE INSIDE will increase by one,

and otherwise, it will not increase.

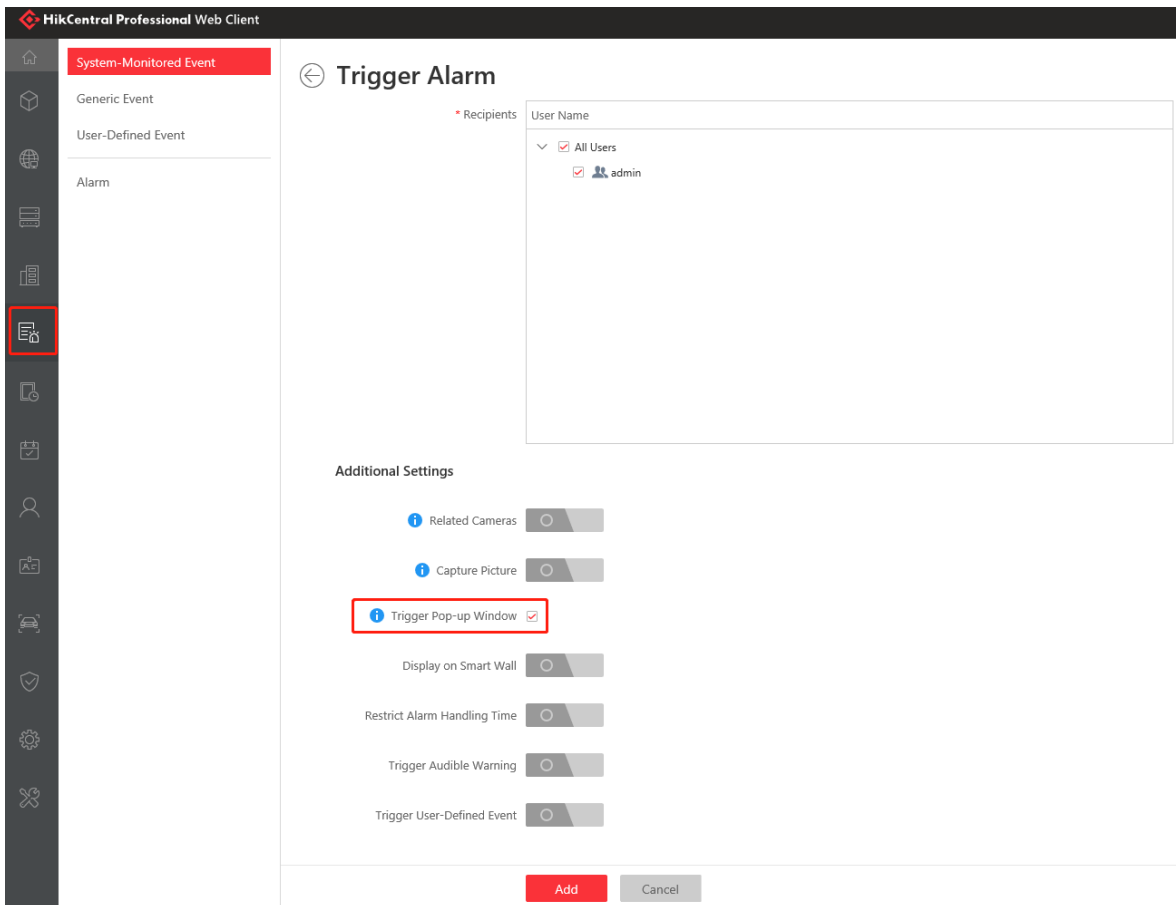
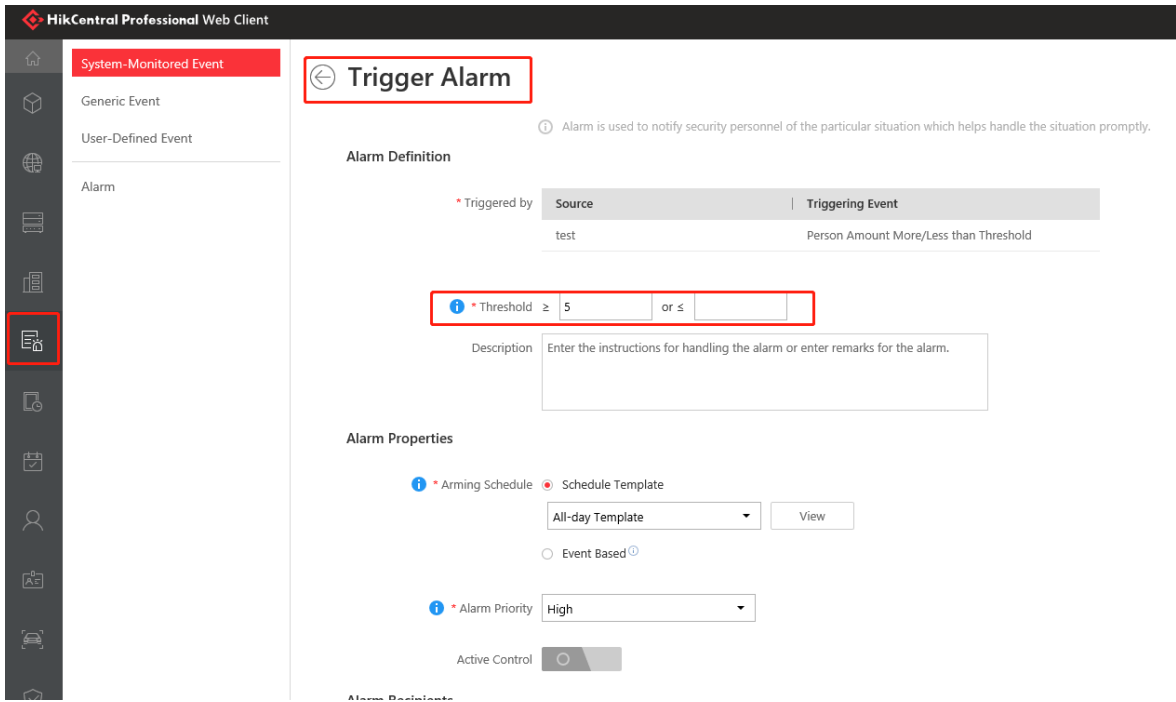
### 5.4 Event & Alarm Configuration

Go to Event & Alarm/System-Monitored Event. Click Add.



Select Resource Group of Source Type, Person Amount More/Less than Threshold of Triggering Event, select one camera as Source, and fill the number of Threshold, then click Add and Trigger Alarm.

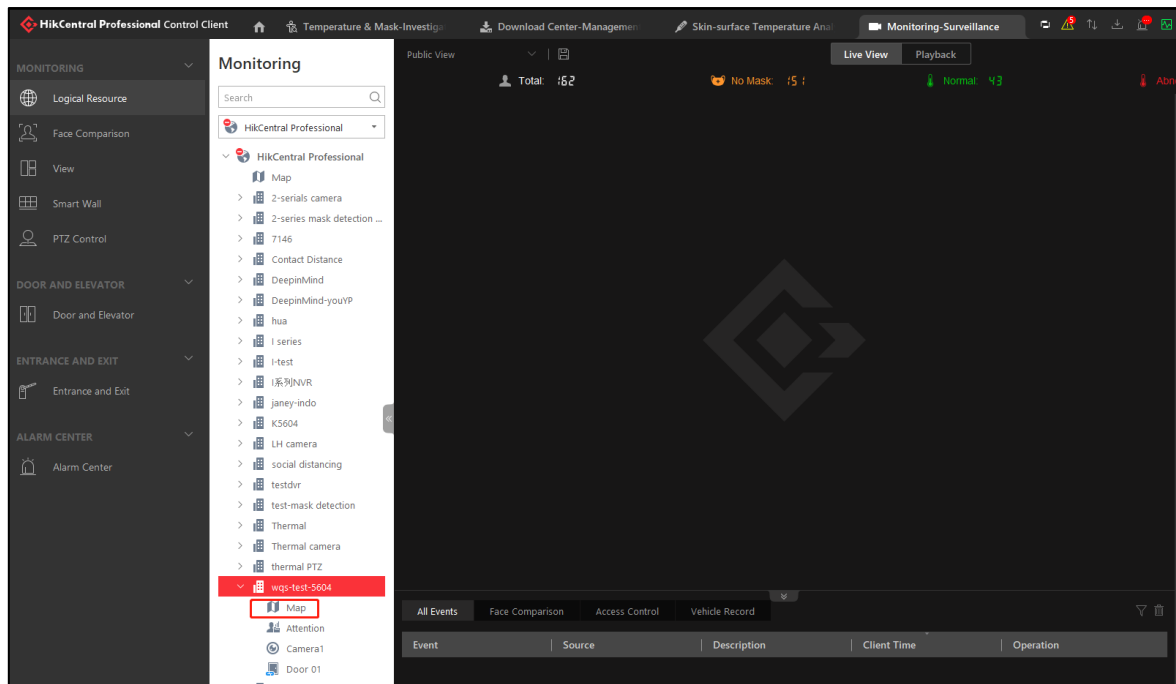
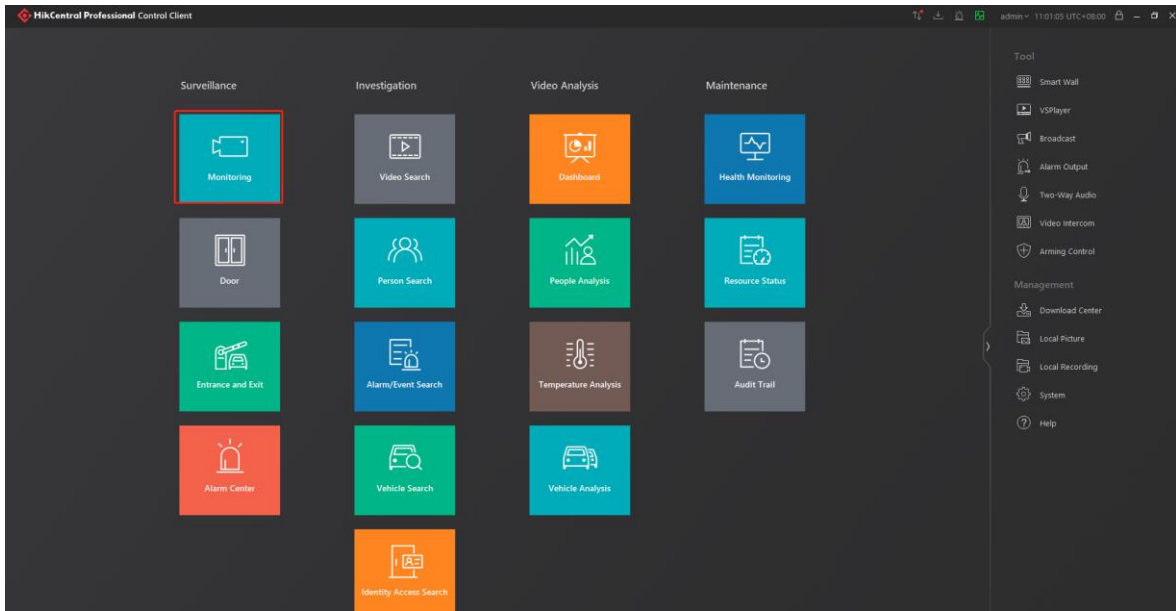
Fill the number of Threshold, and if you need Pop-up Window when Alarm Triggered, you can select Trigger Pop-up Window.



## 5.5 Function Operation

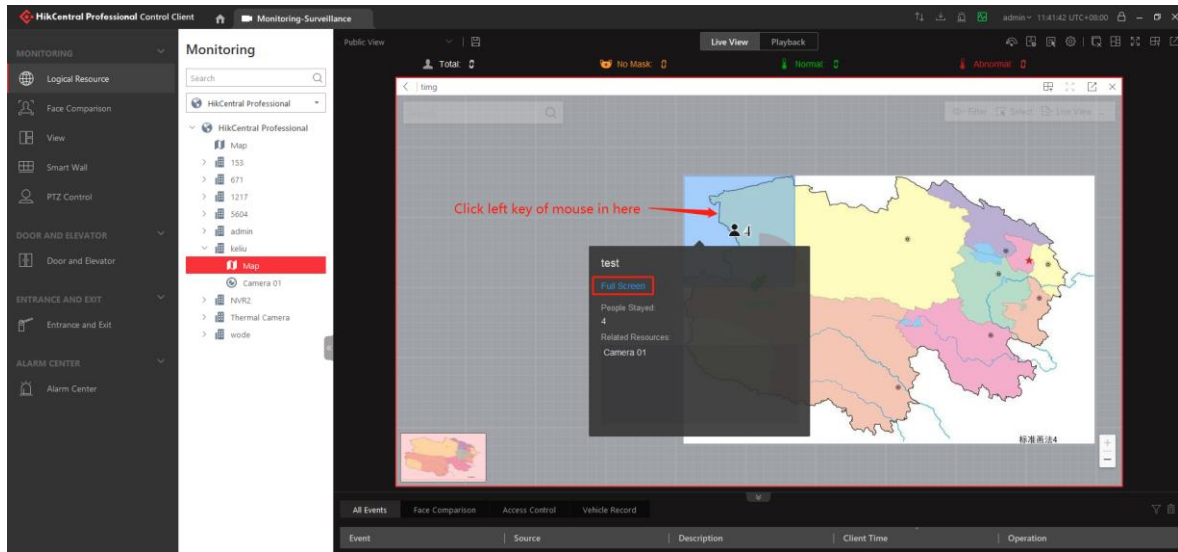
### 5.5.1 Real Time People Counting

Go to Control Client/Monitoring. Go to the map module.

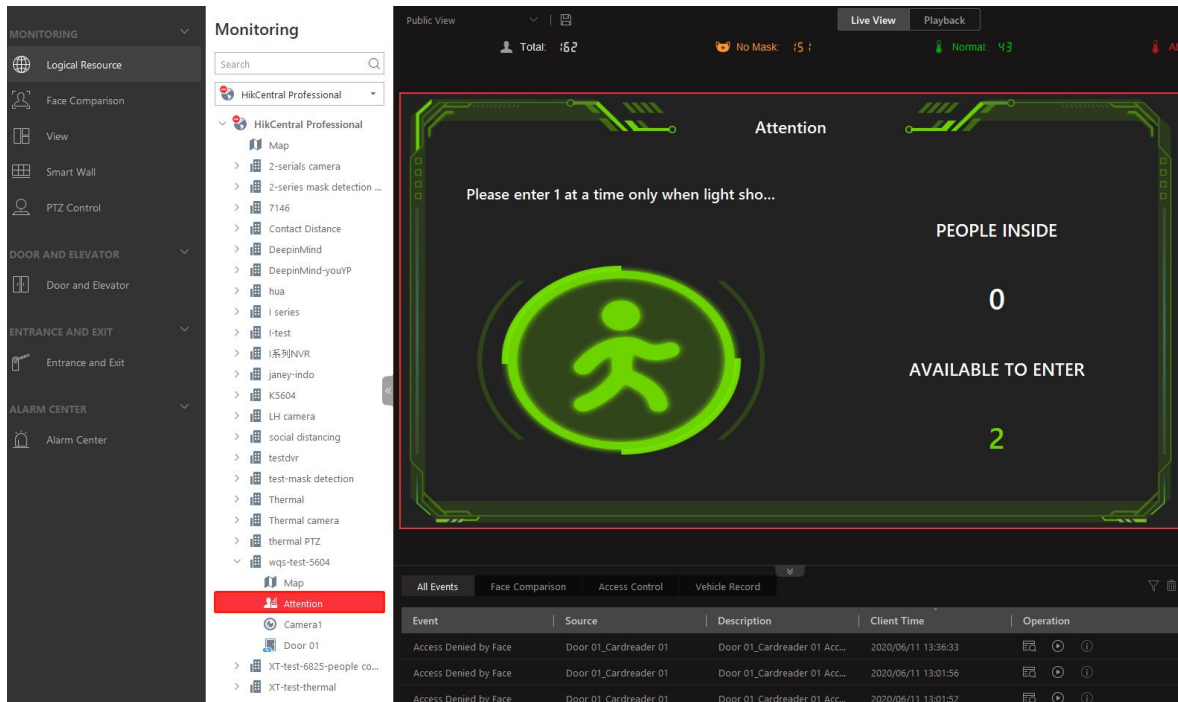


Click on source group, then click Full Screen.

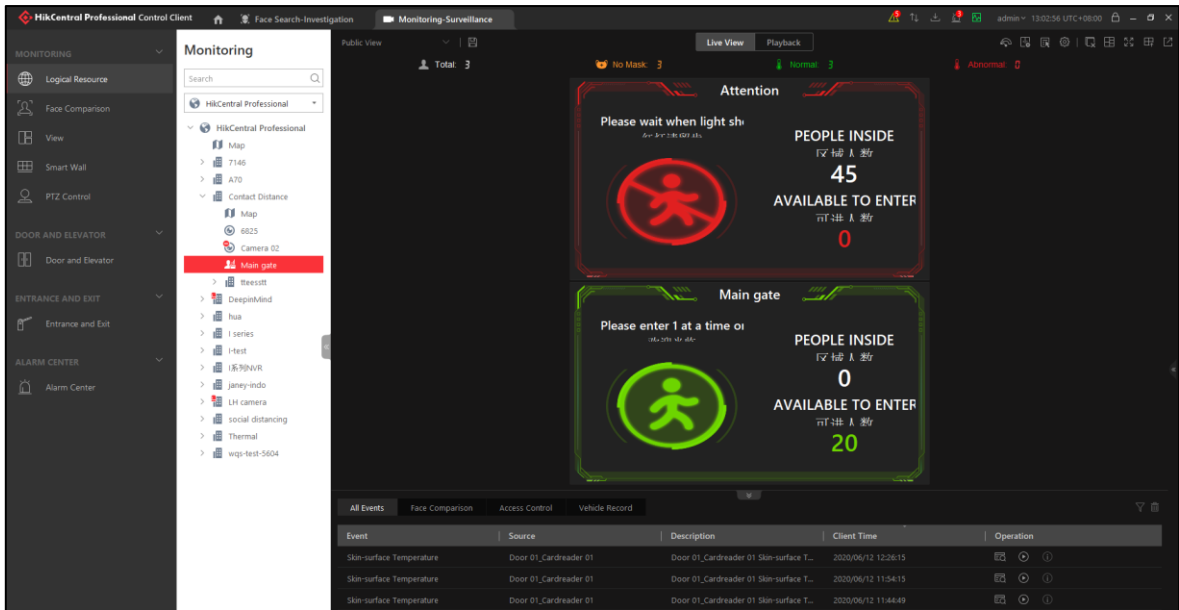




You can double click the source group name to check also.



And you can view multiple groups at the same time.



If the number of available to enter is larger than 0, it will show green.

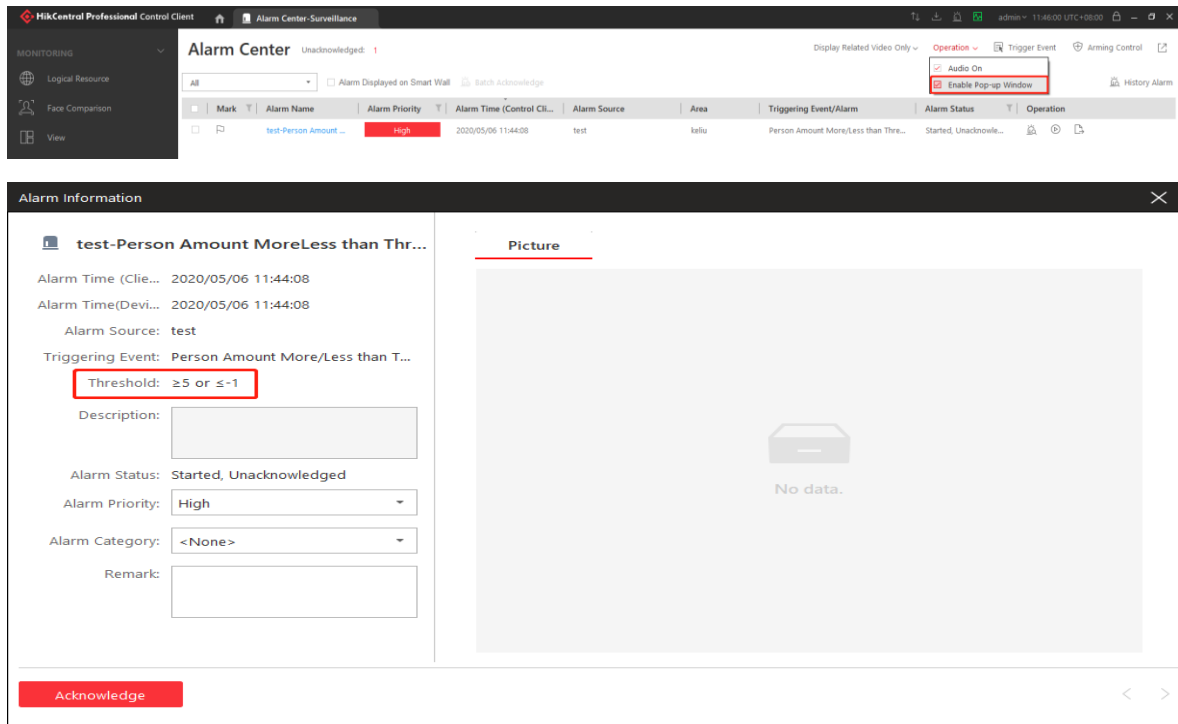


If the number of available to enter is 0, it will show red



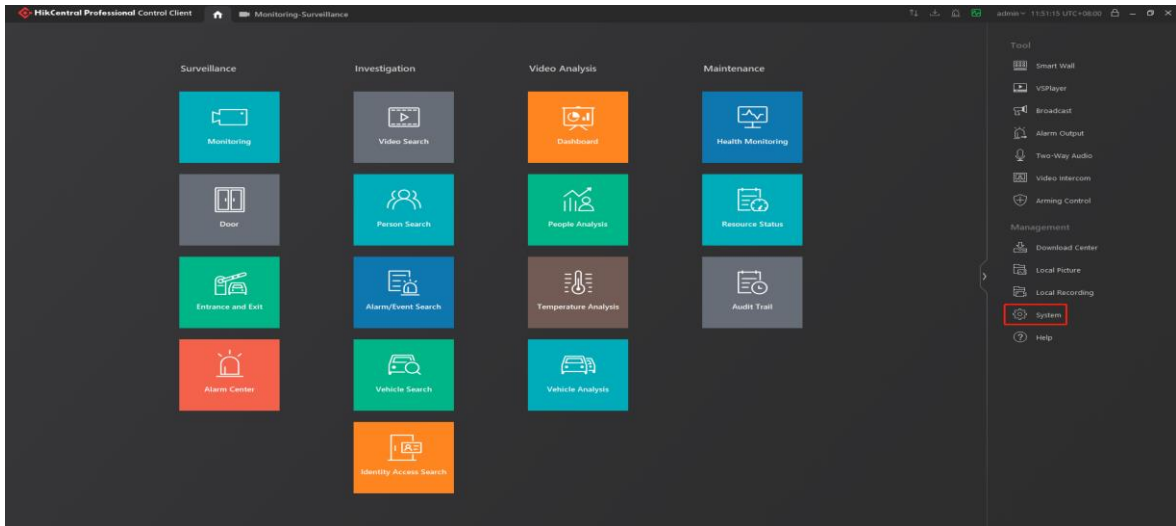
### 5.5.2 Alarm of People Counting

After the alarm is configured on the web client, if an alarm occurs, the control client will receive an alarm. If an alarm pop-up window is required, the control client also needs to enable the pop-up window.

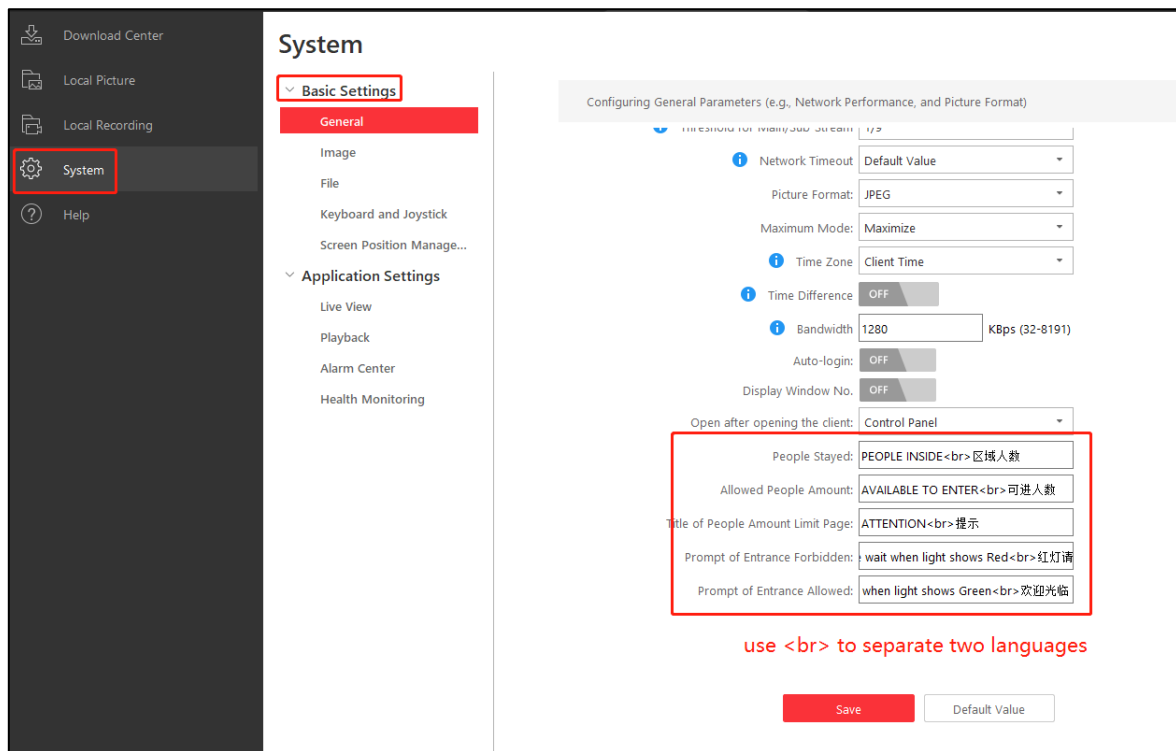


### 5.5.3 Multi-lingual of People Counting Interface

Go to **Control Client/System/Basic Settings/General**. You can modify the language of People Counting interface. And it support show two languages at same time.

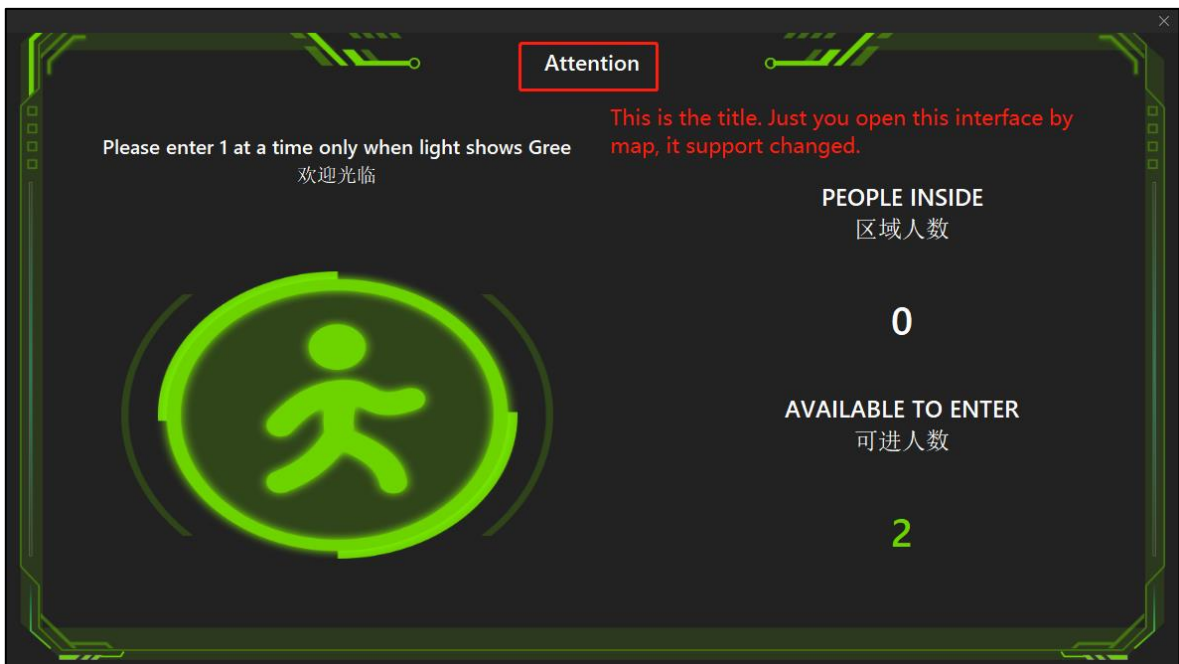


Please use "<br>" to separate two languages.



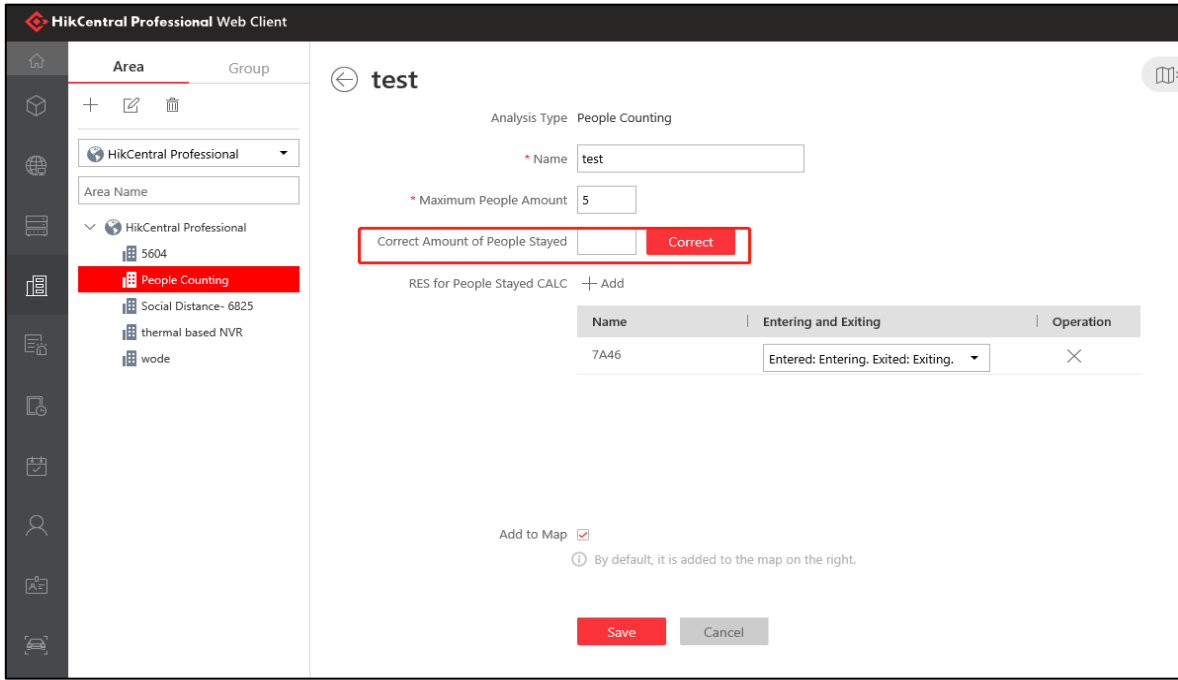


**Note:** The Interface from double click source name is not support changed the title from System settings. Just the interface from map support change the title.



#### 5.5.4 Modify the Number of People Inside

If you found the number of people inside is not correct, you can go to Website/Logical View, select which group with error, click edit, then input the correct number in Correct Amount of People Stayed, then click **Correct**.

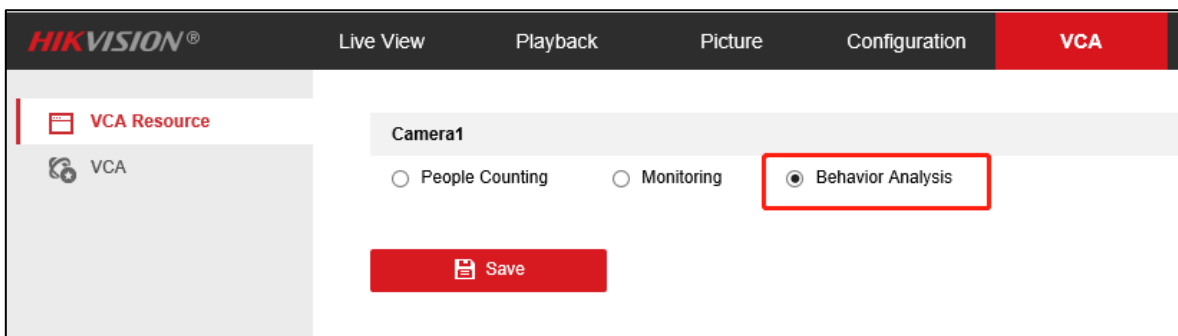


Note: 7 series camera doesn't support this function

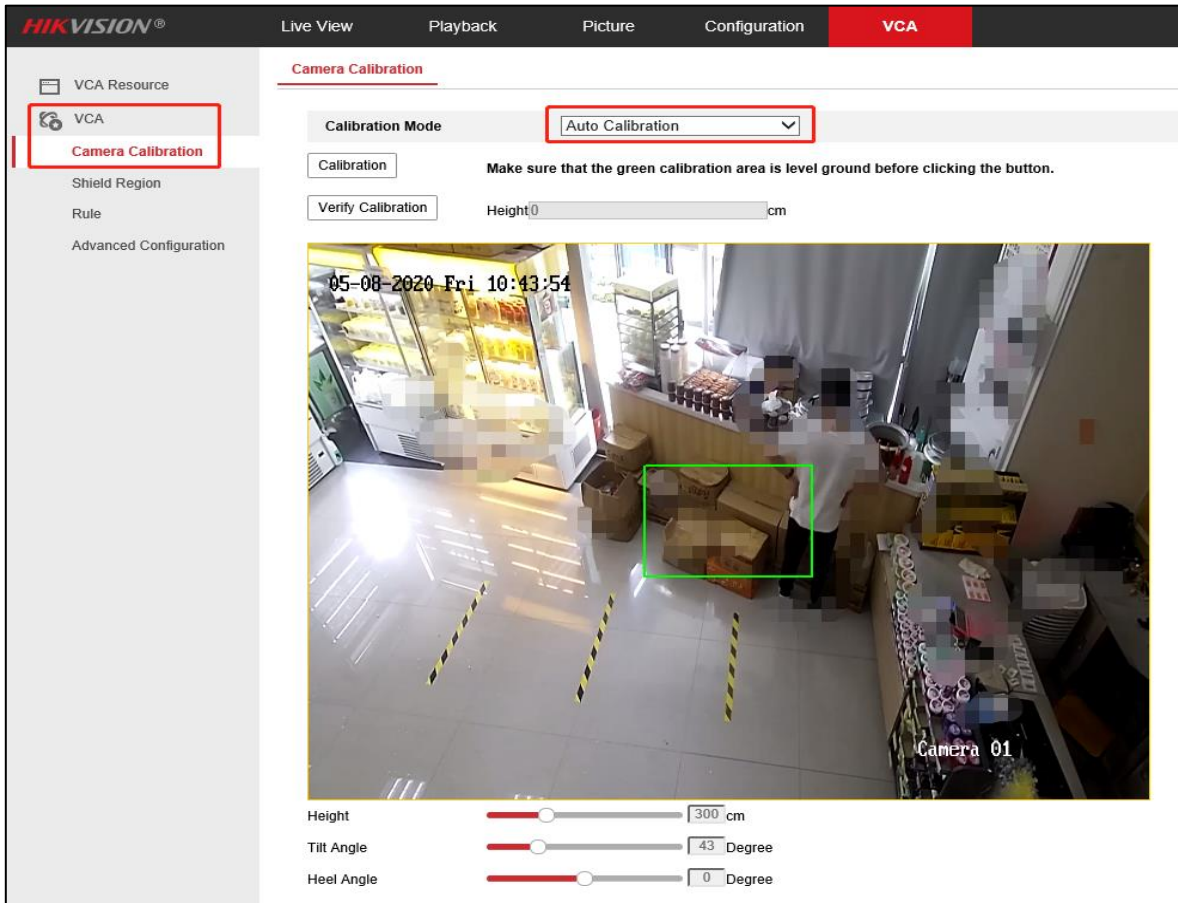
## 6. Configuration for Social Distancing-Contact Distance

### 6.1 Camera Configuration

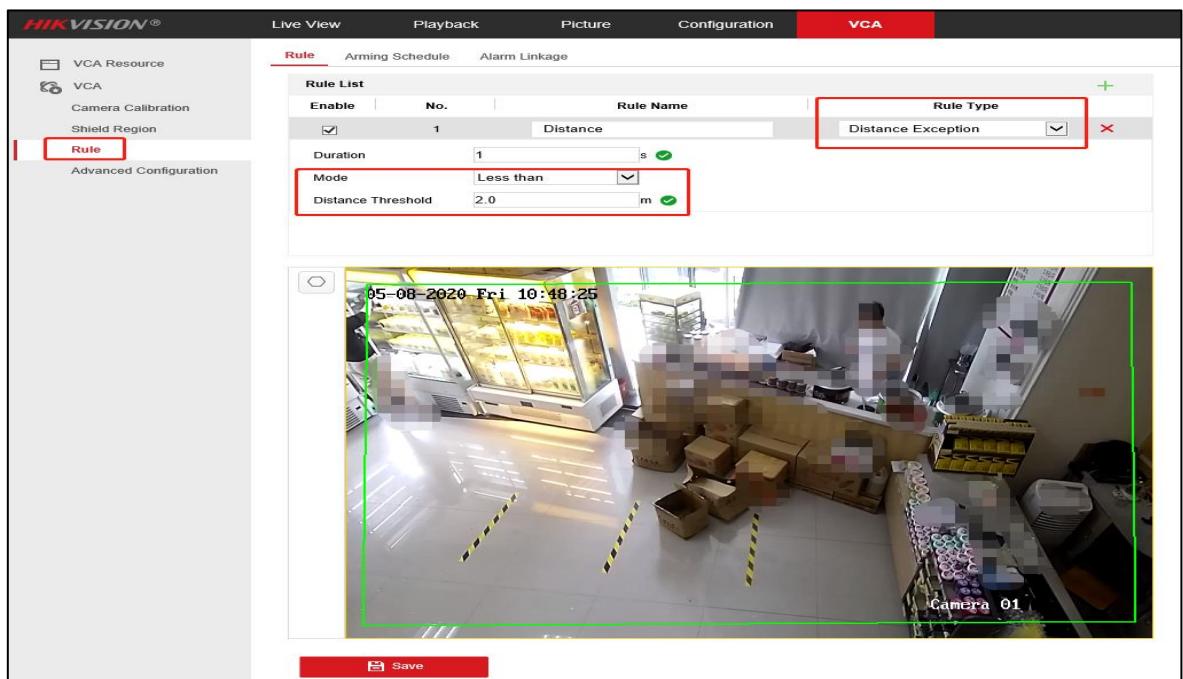
1. Login to device website, Go to **VCA/VCA Resource**. Select Behavior Analysis.



2. Go to **VCA/VCA/Camera Calibration**. Select Auto Calibration of Calibration Mode.



4. Go to **VCA/VCA/Rule**. Click Enable, select Distance Exception of Rule Type, select Less than of Mode, fill the value of Distance Threshold, and go to Alarm Linkage, select Notify Surveillance Center and click **save**.



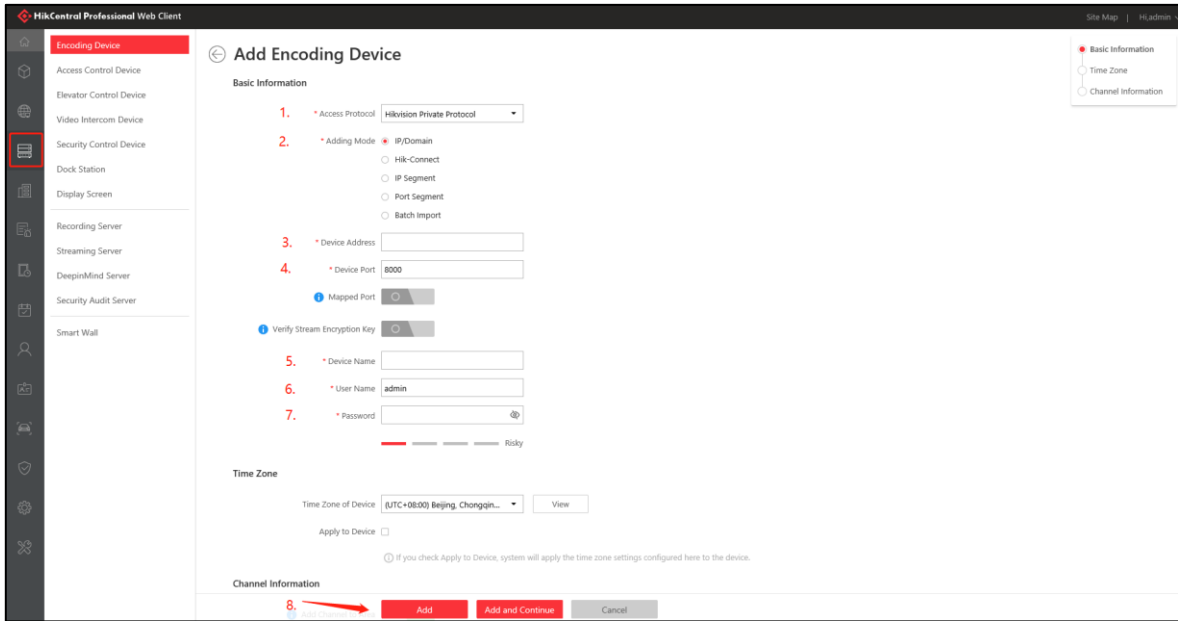
The screenshot shows the Hikvision VCA configuration interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', 'Configuration', and 'VCA'. The left sidebar contains 'VCA Resource', 'VCA', 'Camera Calibration', 'Shield Region', 'Rule', and 'Advanced Configuration'. The main content area is titled 'Alarm Linkage' and contains a 'Rule List' table with one rule: No. 1, Rule Name: Distance, Rule Type: Distance Exception. Below the table are three columns of checkboxes: 'Normal Linkage' (with 'Send Email' and 'Notify Surveillance Center' checked), 'Trigger Alarm Output' (with 'A->1' checked), and 'Trigger Recording' (with 'A1' checked). A red 'Save' button is at the bottom.

## 6.2 Add Device

Go to Home Page/Physical View/Encoding Device. Click Add.

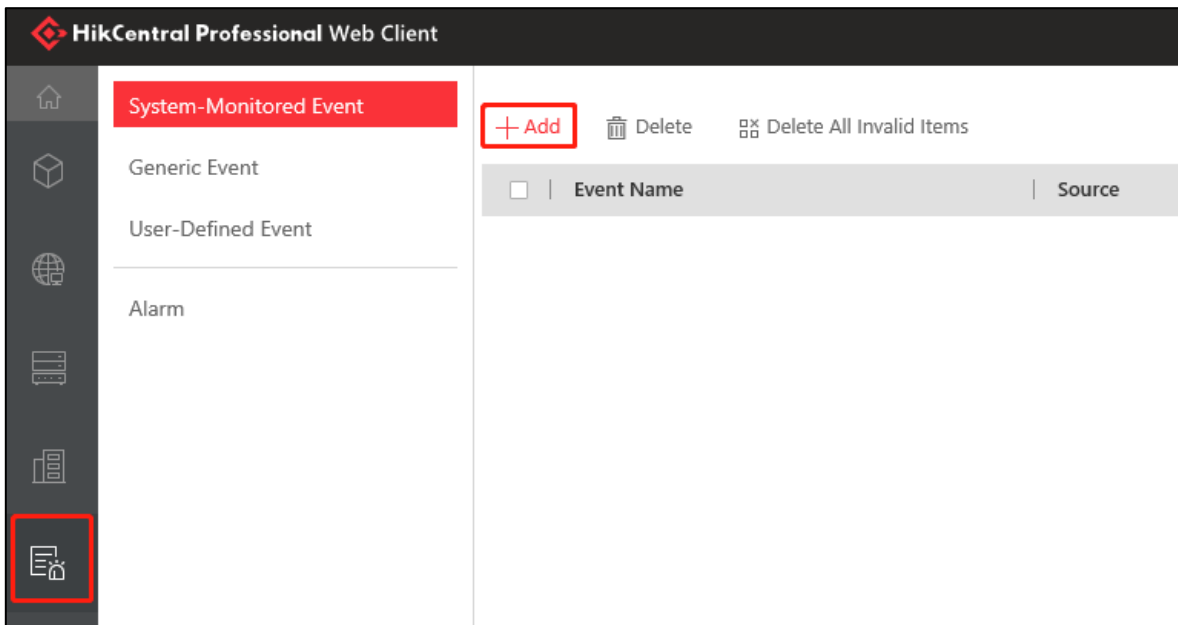
The screenshot shows the HikCentral Professional Web Client interface. The left sidebar has 'Encoding Device' highlighted in red. The main content area shows a table of devices with columns for 'Device Name' and 'Address'. A red box highlights the '+ Add' button. The table lists several devices, some with red warning icons: NVR2 (10.9.97.31), wode (10.9.98.28), thermal based NVR (10.8.98.101), People Counting (10.9.97.35), and Social Distance-6825 (10.18.98.98).





### 6.3 Event & Alarm Configuration

Go to Home Page/Event & Alarm/System-Monitored Event. Click Add.



Select Camera of Source Type, Distance Exception of Triggering Event, select one camera as Source, then click Add and Trigger Alarm.

If you need Pop-up Window when Alarm Triggered, you can select Trigger Pop-up

# Window

### Add System-Monitored Event

System-monitored event is the signal that resource (e.g., camera, device, server) sends when something occurs. System can receive and record event for checking, and can also trigger a series of links (e.g., camera recording, sending email) for notification.

**Basic Information**

Triggered by: **Source Type** | **Triggering Event** | **Source**

Source Type	Triggering Event	Source
<input checked="" type="checkbox"/> Camera	Channel Arming Failed	<input type="checkbox"/> 2186
<input type="checkbox"/> Door	Channel Arming Failed	<input type="checkbox"/> 5604
<input type="checkbox"/> Elevator	Climbing Detection	<input type="checkbox"/> People Counting
<input type="checkbox"/> Radar	Defocus Detection	<input type="checkbox"/> Social distance -2
<input type="checkbox"/> Alarm Input	<b>DistanceException</b>	<input checked="" type="checkbox"/> Social Distance- 6825
<input type="checkbox"/> ANPR	Driving on the Lane Line	<input checked="" type="checkbox"/> Camera 01
<input type="checkbox"/> Person	Face Capture	<input type="checkbox"/> thermal based NVR
<input type="checkbox"/> UVSS	Face Detection	<input type="checkbox"/> Thermal
<input type="checkbox"/> Parking Lot	Falling Down	<input type="checkbox"/> wode
<input type="checkbox"/> Remote Site	Fast Moving (Detection)	
<input type="checkbox"/> Encoding Device		

Active Control:

Actions:

**Add** **Add and Trigger Alarm** **Cancel**

### HikCentral Professional Web Client

#### System-Monitored Event

- Generic Event
- User-Defined Event
- Alarm

### Trigger Alarm

Recipients: User Name

- All Users
- admin

**Additional Settings**

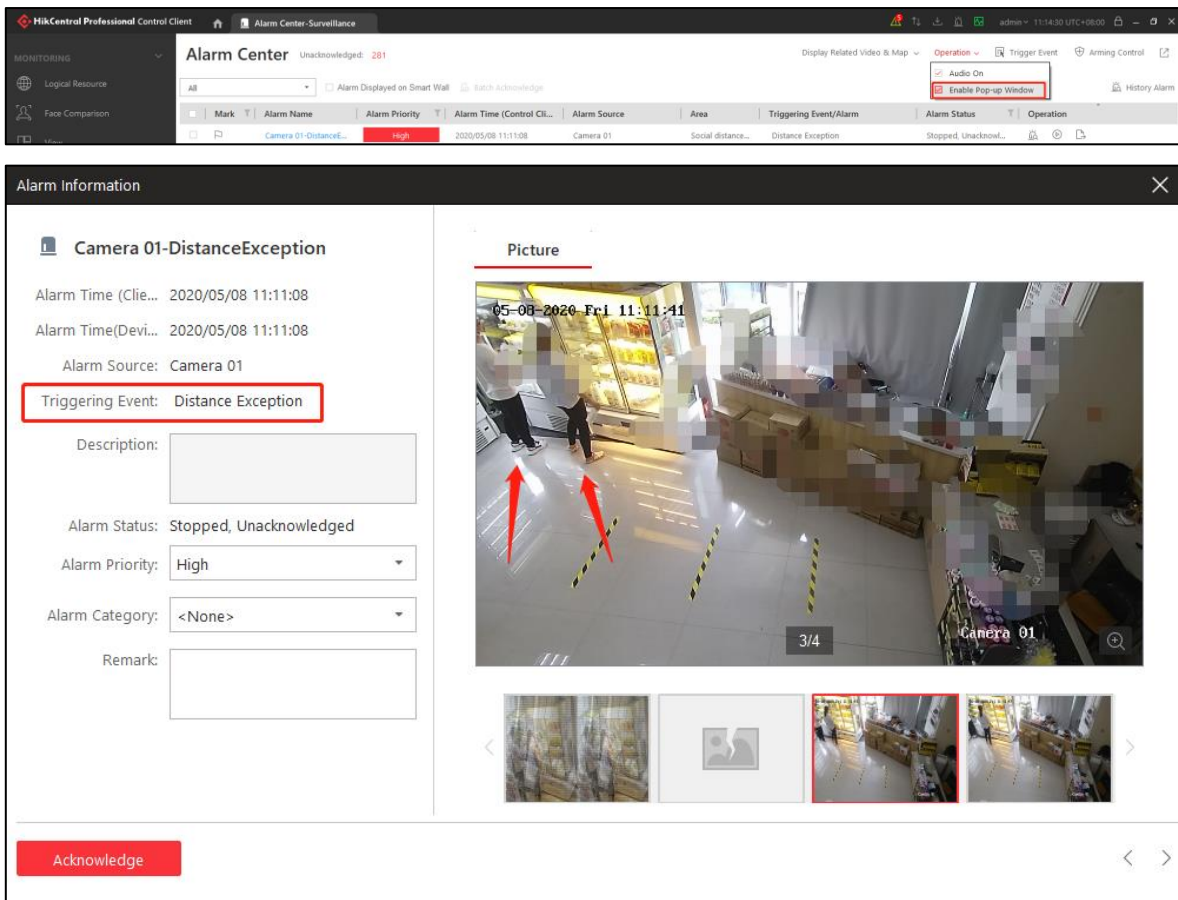
- Related Cameras
- Capture Picture
- Trigger Pop-up Window**
- Display on Smart Wall
- Restrict Alarm Handling Time
- Trigger Audible Warning
- Trigger User-Defined Event

**Add** **Cancel**

## 6.4 Function Operation

### 6.4.1 Alarm of Contact Distance

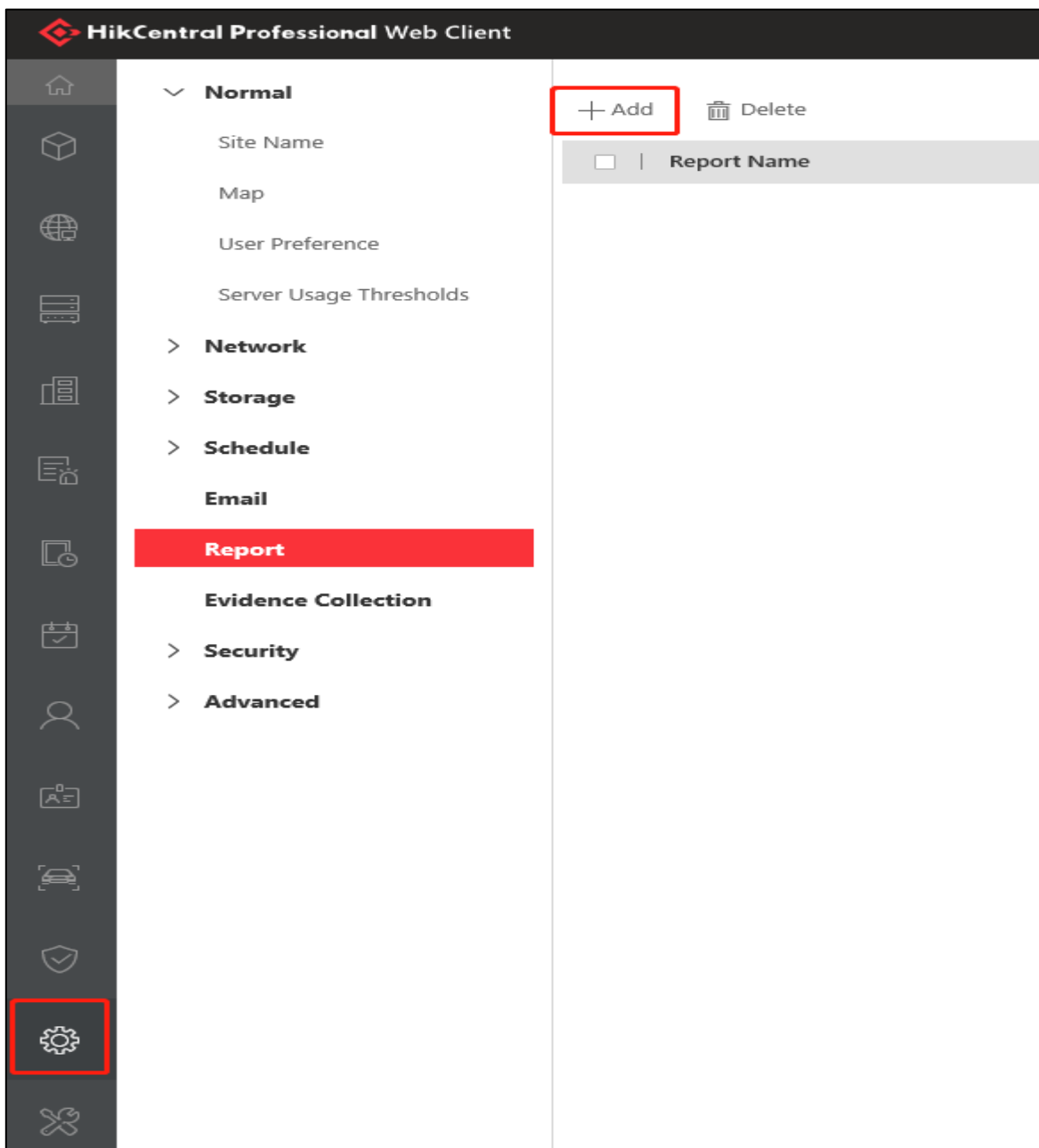
After the alarm is configured on the web client, if an alarm occurs, the control client will receive an alarm. If an alarm pop-up window is required, the control client also needs to enable pop-up window.



### 6.4.2 Report Alarm

All the Alarm can report to user by e-mail, include abnormal temperature/No Mask of camera or Access Control or NVR and so on.

Go to **Home Page/System/Report**. Click **Add**.



Select Alarm, fill the Report name and click add of Report Target.

**Note:** Configure the Alarm first in Event & Alarm module, then you can add the Report Target.

## ← Add Report

*i* Up to 10,000 data are supported in one report.

\* Report Category  Event

Alarm

Vehicle Analysis

People Counting

Queue Analysis

Heat Analysis

Person Feature Analysis

Pathway Analysis

Temperature Analysis

Attendance

Resource Logs

Device Logs

\* Report Name  *✓*

\* Report Target *i* Up to 32 targets are supported in one report.

Alarm Name	Source
------------	--------

## ← Add Alarm

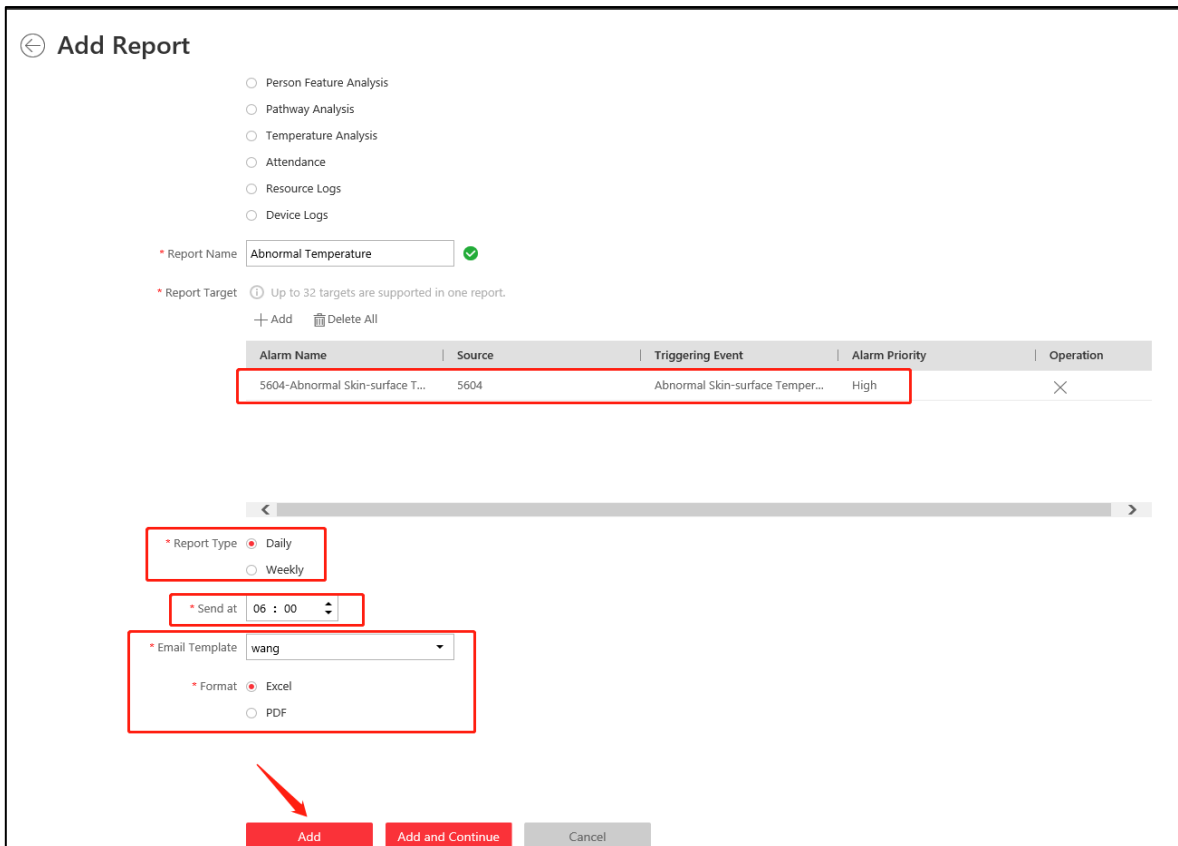
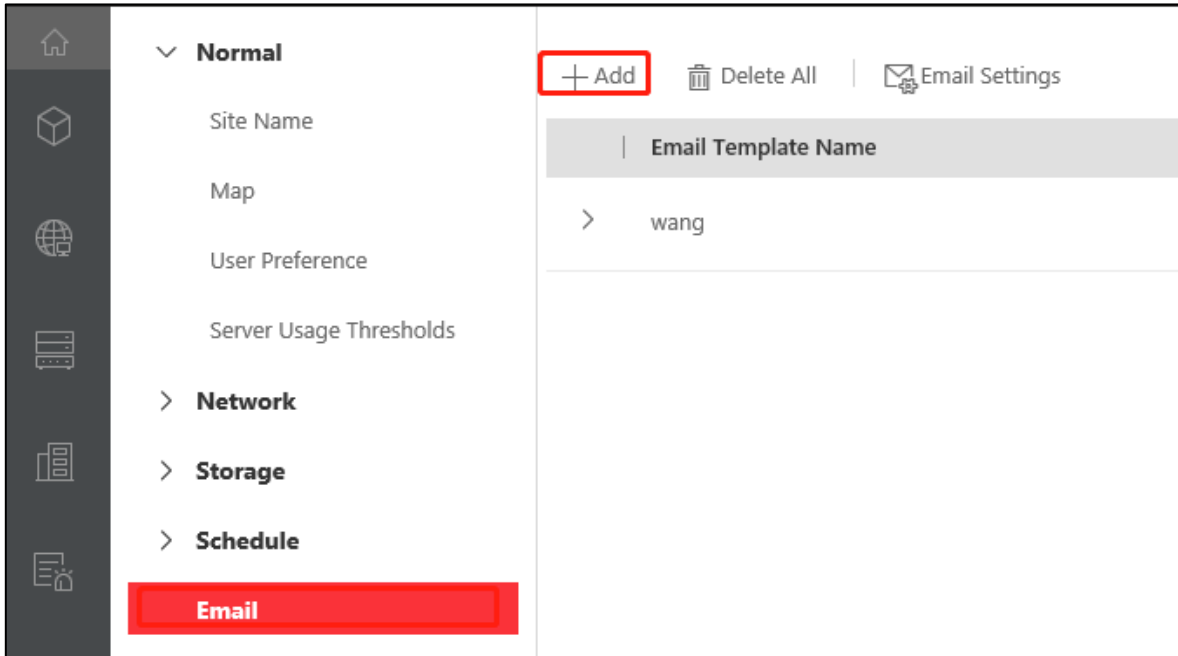
Source Type *v* Triggering Event *v* Alarm Priority *v*

<input type="checkbox"/>	Alarm Name	Source	Triggering Event	Alarm Priority
<input type="checkbox"/>	Camera 01-DistanceException	Camera 01	DistanceException	High
<input type="checkbox"/>	Camera 01-DistanceException	Camera 01	DistanceException	High
<input checked="" type="checkbox"/>	5604-Abnormal Skin-surface Temperature	5604	Abnormal Skin-surface Temperature	High
<input type="checkbox"/>	5604-No Mask	5604	No Mask	High
<input type="checkbox"/>	tets-Person Amount More/Less than Threshold	tets	Person Amount More/Less than Threshold	High
<input type="checkbox"/>	5604-Access Denied by Face	5604	Access Denied by Face	High

Total 6 Record(s)  *K*

Select the Report Type. Set the send time. Select one Email Template. Select the format you need and click **Add**.

**Note:** Set the Email first in Email, then you can select the Email Template.



## 7. Mobile Phone Client

Now the Android Mobile Phone Client supports receiving alarms and view people counting.

Supported alarm types:

Camera: Abnormal Temperature/No Mask/Contact Distance;

Access Control: Abnormal Temperature/No Mask;

Person: Abnormal Temperature/No Mask; and Flow Control alarm.

**Note:** Just the Thermometry Mobile APP of Android system support the above function.

### 7.1 Configuration Event & Alarm on Web Client

[Event & Alarm Configuration for Abnormal Temperature, No Mask of Camera](#)

[Event & Alarm Configuration for Contact Distance](#)

[Event & Alarm Configuration for Abnormal Temperature, No Mask of Access Control](#)

[Event & Alarm Configuration for Abnormal Temperature, No Mask of NVR](#)

[Event & Alarm Configuration for Flow Control](#)

### 7.2 Function Operation

#### 7.2.1 Alarm

1. Login to Mobile Phone Client. Fill in the server IP and port, user name and password, click **Login**.

Server

211 Server IP

Server Port

User

admin User name

Password

Use HTTPS

Remember Password



Login










HIKVISION


2. Go to **Alarm**. You can check all the alarm records here.





### Alarm


 


-  ● **Camera 01-DistanceExcept...**  
2020/05/08 15:11:36
-  ● **Camera 01-DistanceExcept...**  
2020/05/08 15:10:49
-  ● **Camera 01-Abnormal Temp...**  
2020/05/08 15:10:40
-  ● **Camera 01-DistanceExcept...**  
2020/05/08 15:10:26
-  ● **Camera 01-Abnormal Temp...**  
2020/05/08 15:09:48
-  ● **Camera 01-No Mask**  
2020/05/08 15:09:48
-  ● **Camera 01-No Mask**  
2020/05/08 15:09:48
-  ● **Camera 01-DistanceExcept...**  
2020/05/08 15:09:35
-  ● **Camera 01-DistanceExcept...**  
2020/05/08 15:09:15

  
Logical Resource

  
View


  
**Alarm**

  
Me

  
More

optical-Abnormal Temperature

Related Picture



12-06-2020 Fri 12:51:39

36.1°C

optical

Alarm Information


Alarm Source	optical
Client Time	2020/06/12 12:50:38
Device Time	2020/06/12 12:50:38
Triggering Event	Temperature Alarm
Preset	empty
Thermometry Point	empty
Temperature	36.1

Mark Acknowledge

Abnormal Temperature Alarm


< [Icons] ^ v

### Camera 01-No Mask



Camera 01

### Related Picture



### Alarm Information


• Alarm Source	Camera 01
• Client Time	2020/06/12 11:31:08
• Device Time	2020/06/12 11:31:08
• Triggering Event	No Mask

**Mark** **Acknowledge**

No Mask Alarm


< [Icons] ^ v

### Camera 01-DistanceException



Camera 01

#### Related Picture

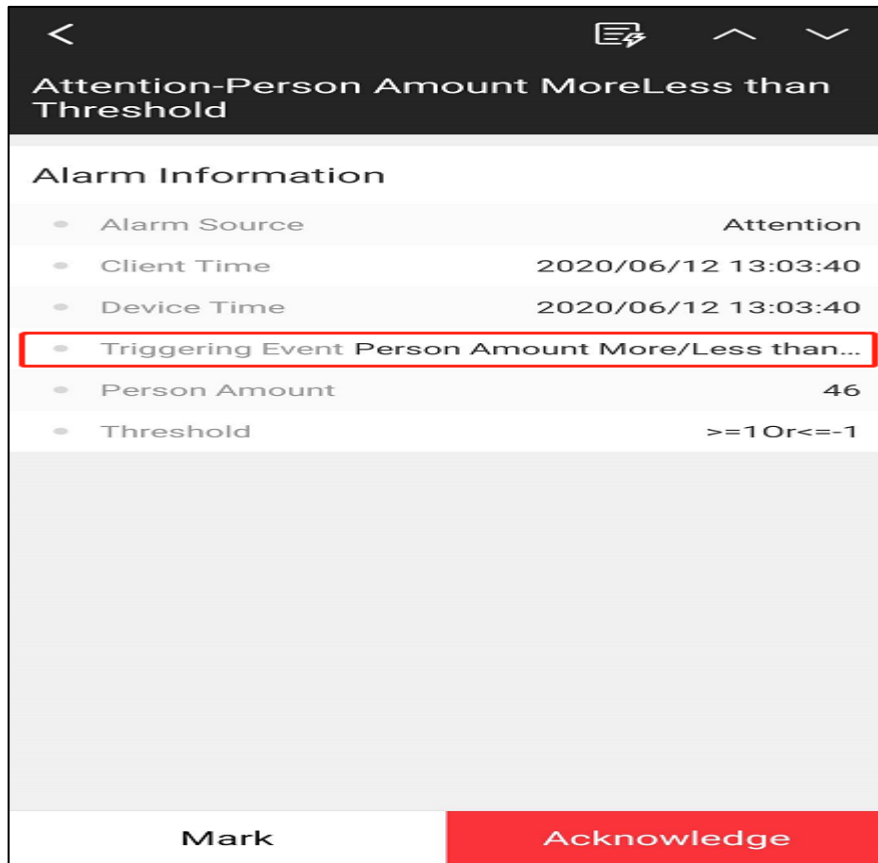


#### Alarm Information

• Alarm Source	Camera 01
• Client Time	2020/06/12 11:53:21
• Device Time	2020/06/12 11:53:21
• Triggering Event	Distance Exception

**Mark** **Acknowledge**

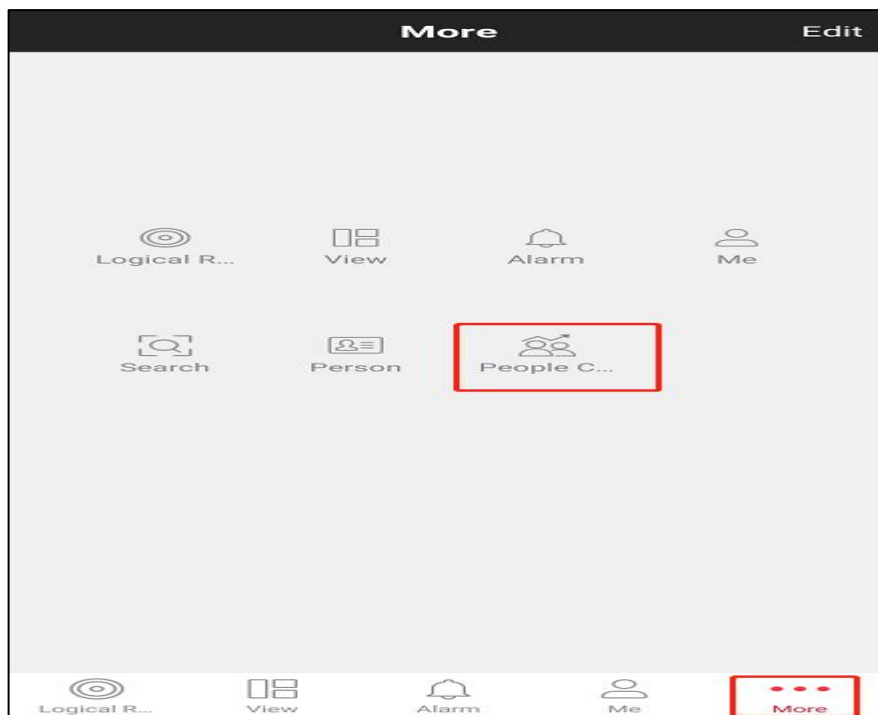
Contact Distance of Camera



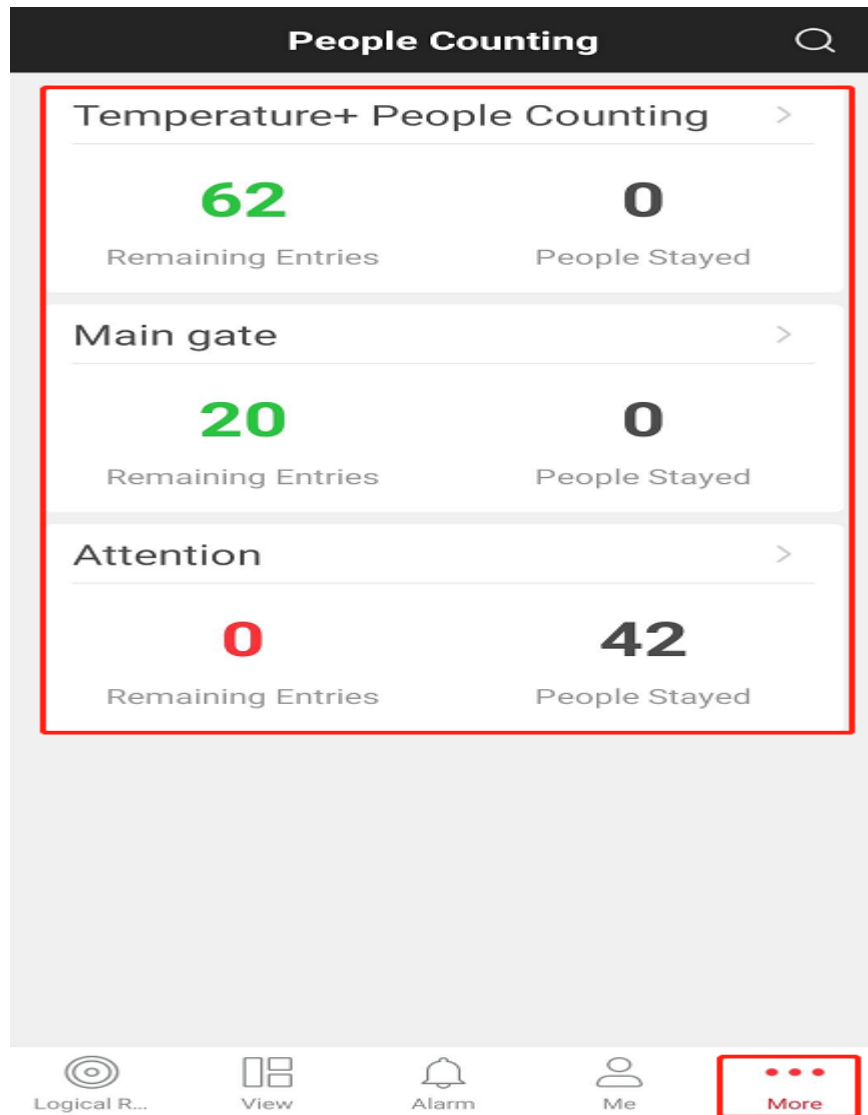
Flow Control alarm

### 7.2.2 Flow Control View

Login to Mobile Phone APP. Go to More/People Counting.



All the People Counting Group will show here, click one group, you can view the people counting group.



### ATTENTION

Please Wait When Light Shows Red



People Stayed

0042

Remaining Entries

0000

The image shows a digital display interface with a dark background and a red grid pattern. At the top, the word "ATTENTION" is written in white. Below it, the text "Please Wait When Light Shows Red" is displayed in red. To the left of the text is a red prohibition sign (a circle with a diagonal line) over a white walking figure. To the right, there are two digital counters. The first counter, labeled "People Stayed", shows the number "0042" in white. The second counter, labeled "Remaining Entries", shows the number "0000" in red.