

How to Configure Skin-surface Temperature

Applicable to

HikCentral Professional: V1.6.0027.20200706

pStor: 1.4.1

1. HikCentral Professional Installation

Installation

1. Run the installation package with administrator permission



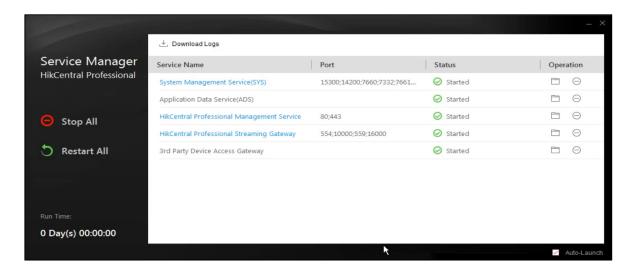
2. Select 'Typical' mode and follow the Wizard



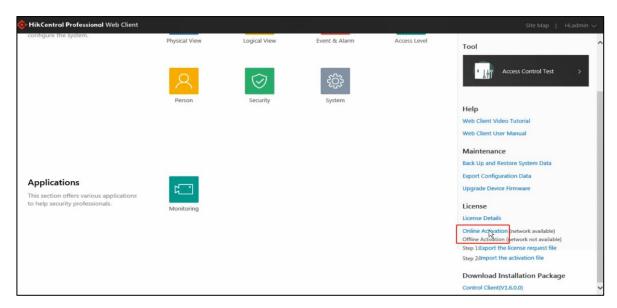


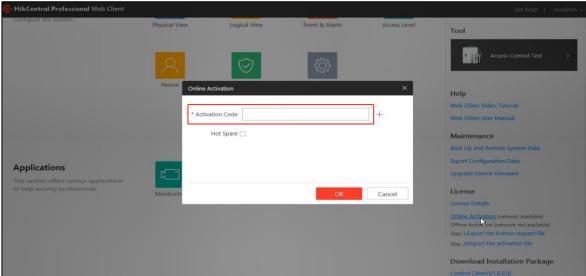
3. Check running status



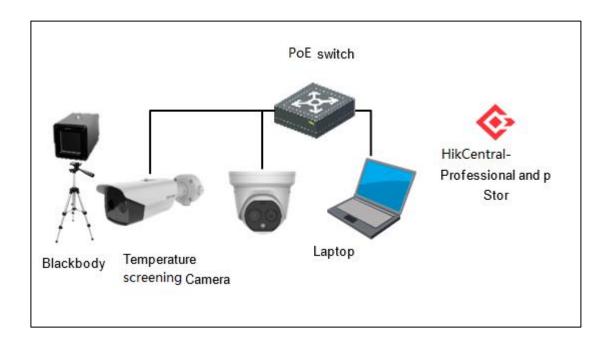


4. Activate HikCentral with activation code.



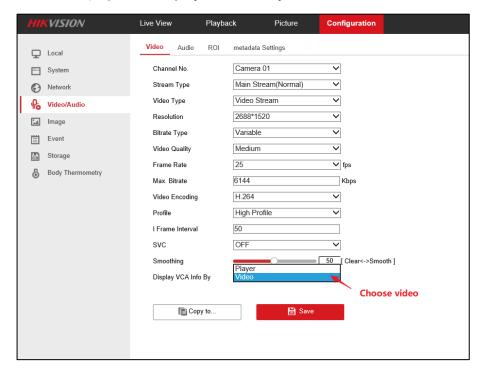


2. Configuration for Temperature Screening with Fast Deployment

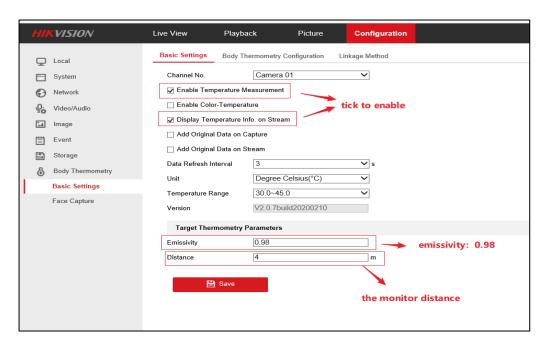


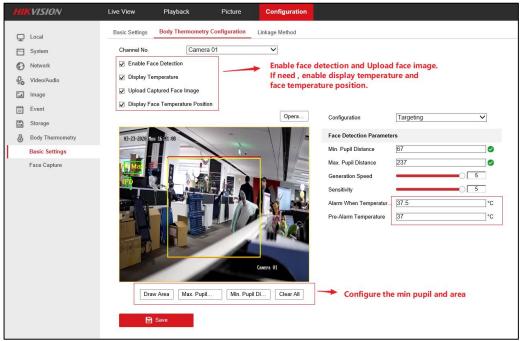
2.1 Configuration on Thermal Camera Device

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

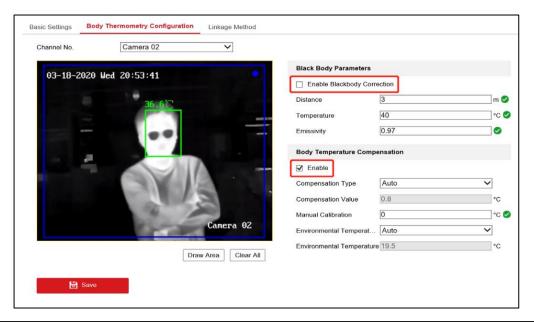


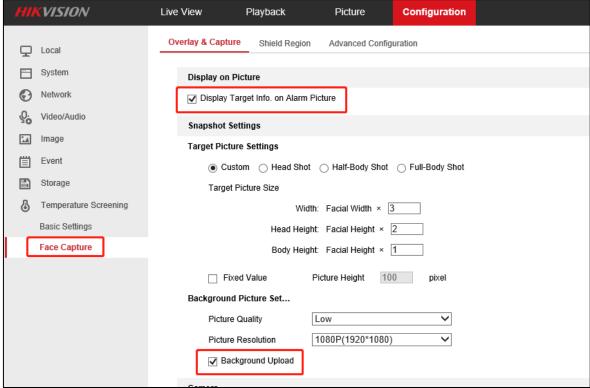
3. Skin-surface Temperature Setting









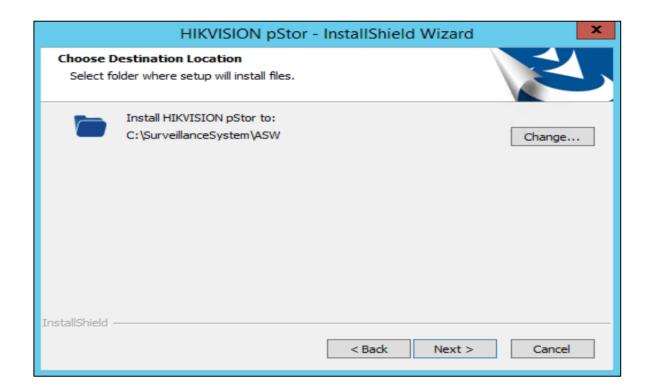


2.2 Configuration on Web Client

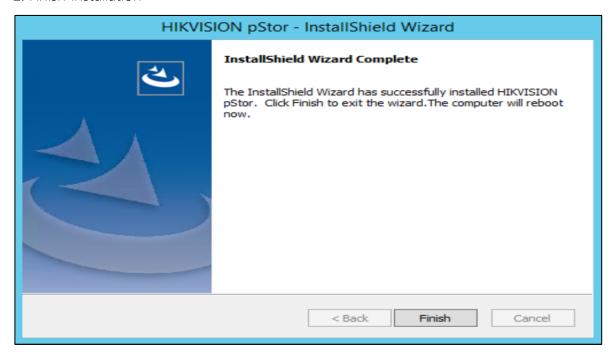
2.2.1pStor Configuration (Optional)

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. Or you can open the web client by double-clicking the pStor icon on the desktop

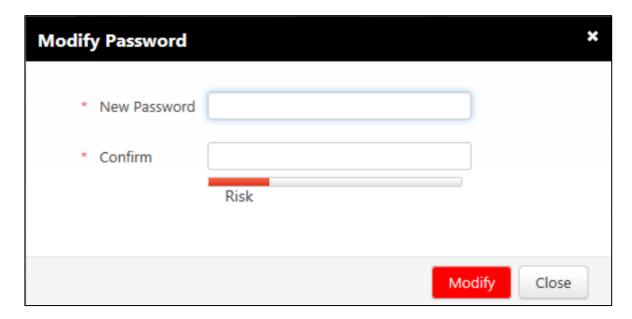




1.2 The default password is HIK88075998. After input, it will be prompted to reset the password. The strength of the new password needs to reach Strong, and it cannot



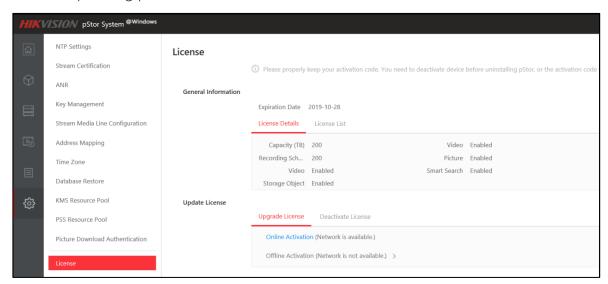
be the same as the original default password.



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.

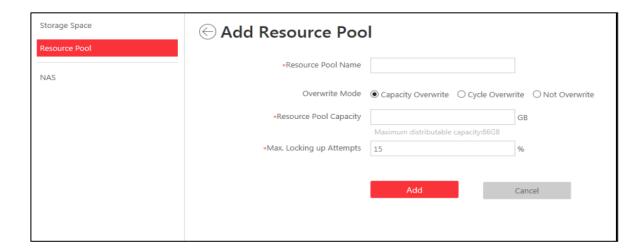
Select a disk name and double-click it. A flag appears after that. Click on a new folder. The default name is 'storData'. Or expand the disk directory to select the existing folders (only the first-level folders with English or numeric names are displayed here), and then enter the capacity in GB. The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



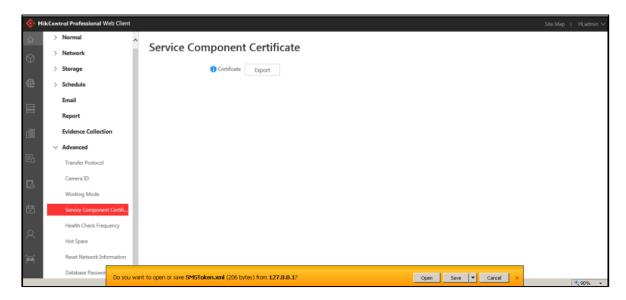
3. Define Resource Pool

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).

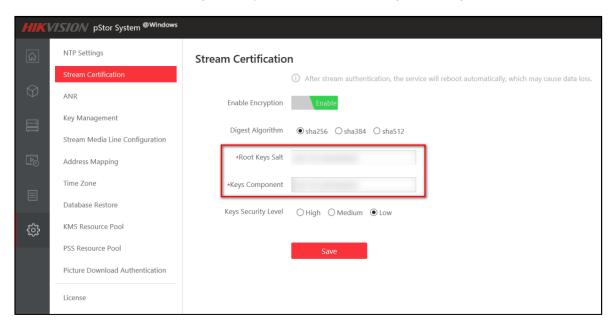


4.2 Go to pStor web client

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

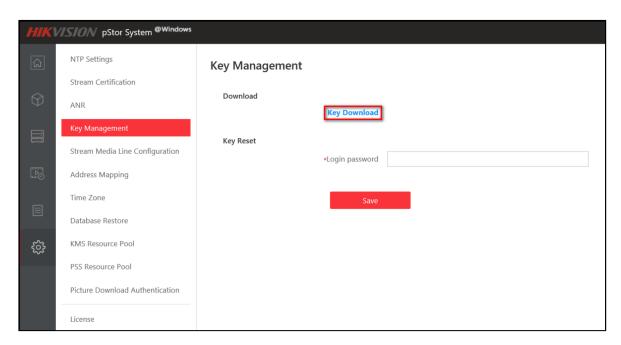
Physical View -> Recording server -> Add. Fill in the appropriate parameters.

Get Access Key & Secret Key

Go to pStor Web page

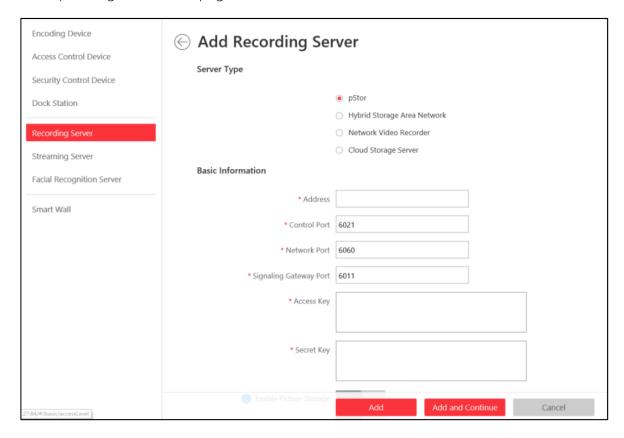
System Management -> Key Management -> Key Download -> Open





Access Key:743dW4v3So3898uNXFw0644Xn8nNT810Z8416a200uGJ7w6m0XK1V74X6u51SWq Secret Key:En8609tq2K4T335UI7f60jfRnfi3987tPb1X1NiqMc0ZLLIYRB8KjngLNQ9895C

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



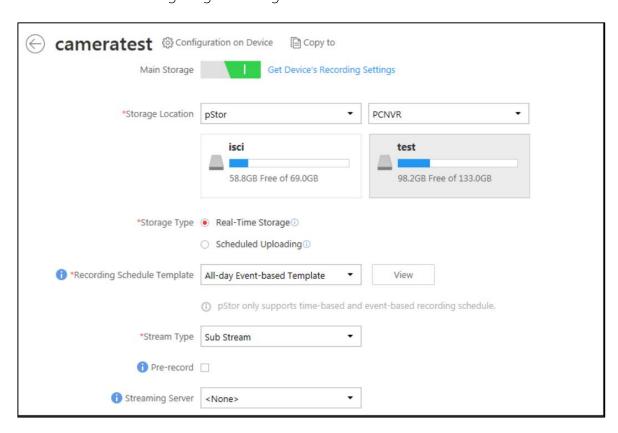
Note: If you need to use pStor to store pictures, open Enable Picture Storage and



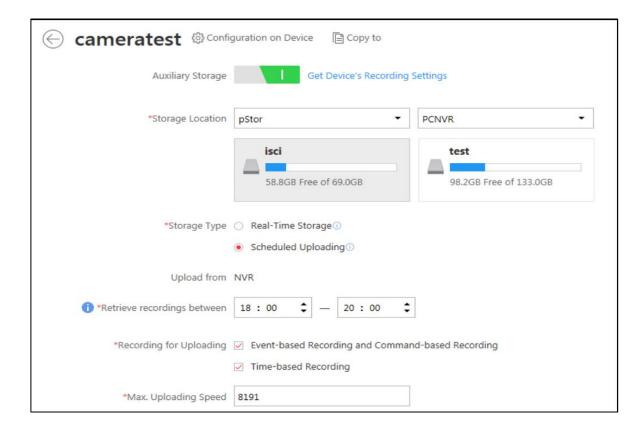
make sure that you enter HikCentral's SMS Token in the stream Certification of pStor before adding it. Otherwise the addition will fail. The addition process requires bidirectional authentication, that is, the key of pStor is the input in HikCentral, and the SMS Token of HikCentral is the input in pStor,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

6. Configure Recording Schedule

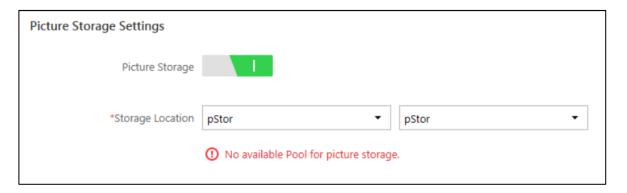
When configuring Main Storage, choose pStor. You can only choose Real Time Storage for Storage Type. Video template does not support command-based type, which is unavailable when configuring recording schedule.



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.

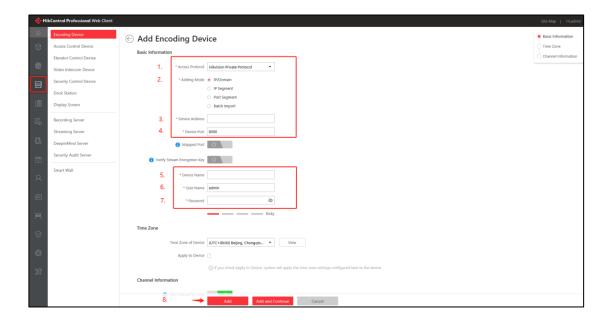


Note: If pStor and HikCentral are installed on the same PC and videos need to be stored on the PC, saving with 2 channels is recommended for i5-16G configuration

2.2.1Add Thermal Camera

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



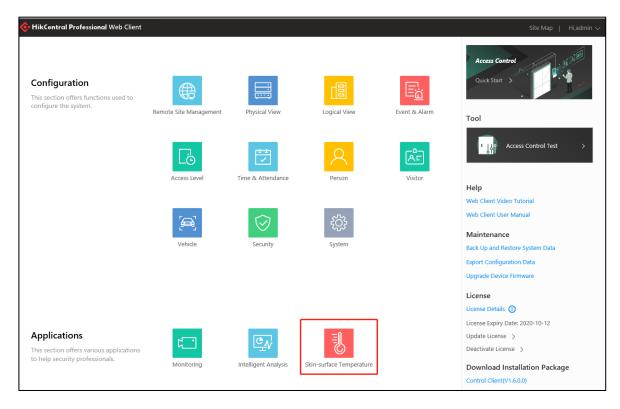


Note: ISUP 5.0 supports upload thermal camera's temperature screening data.

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





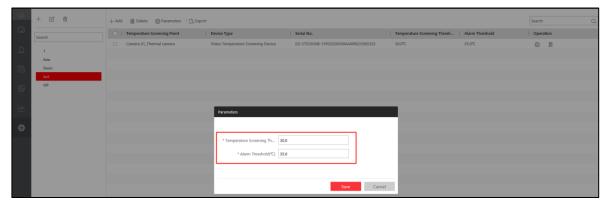


2. Add Temperature Screening Point



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

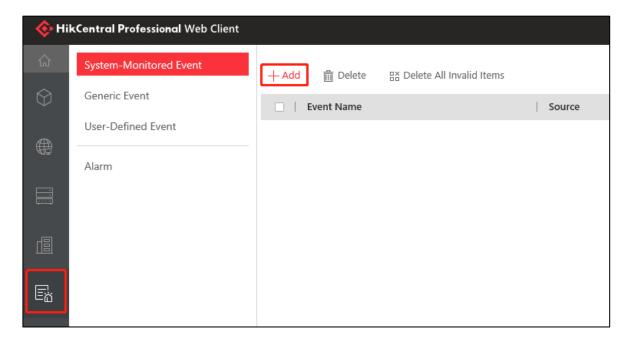


Temperature data to Platform as alarm. It means the Temperature is Abnormal.

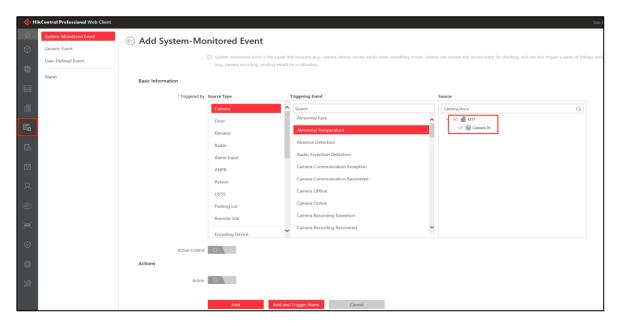
Note: If the point you are adding is the channel of DeepinMind NVR, setting threshold is not supported here. Please configure the settings on camera website.

2.2.3 Event & Alarm Configuration

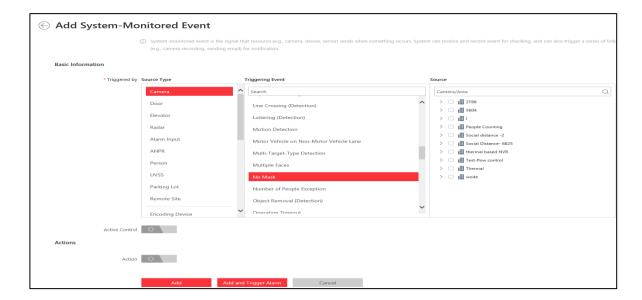
Go to Home Page/Event & Alarm/ System-monitored event. Click Add.



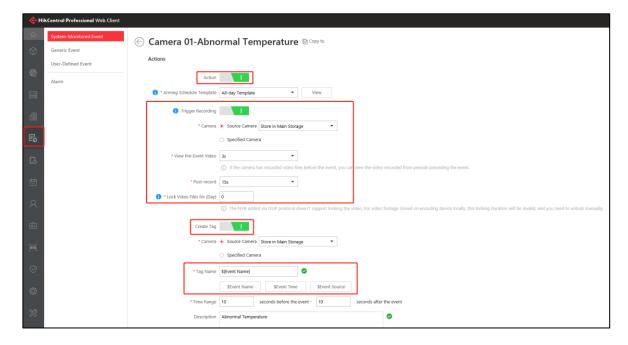
Select Camera of Source Type, select Abnormal Temperature/No Mask of Triggering Event, select camera of Source, then click Add and Trigger Alarm button to add alarm





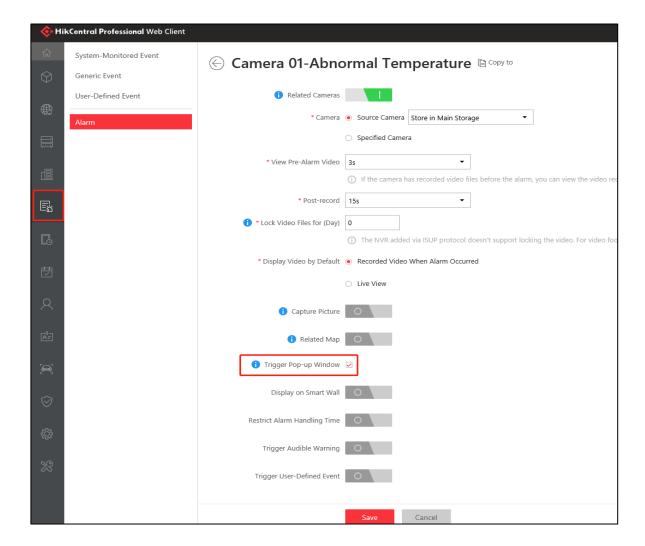


If you want to save video when alarm occurs, Enable Action and Trigger Recording, and you can enable Create Tag also, then you can search the video by tag on Control Client.



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.



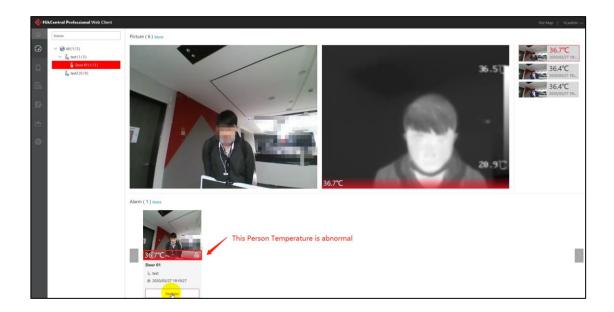


2.3 Function Operation

2.3.1Real Time Temperature Measurement Results

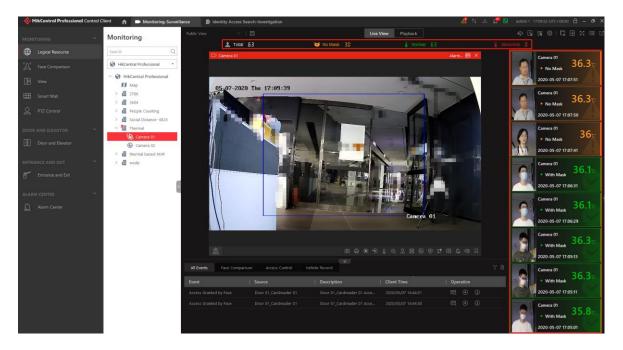
Go to Home Page/Skin-surface Temperature/Skin-surface Temperature. You can see all the real time temperature measurement results, and the abnormal temperatures will be marked red color which is abnormal





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.

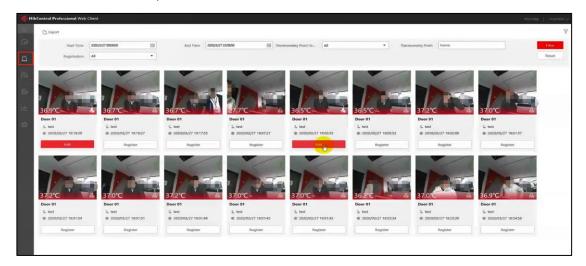


2.3.2 Alarm of Abnormal Temperature/No Mask

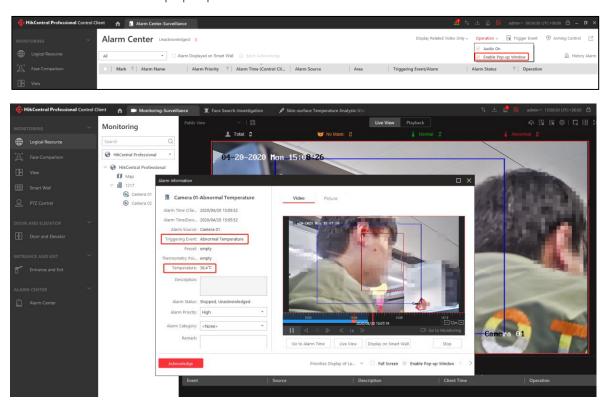
On Web Client Home Page/Skin-surface Temperature/Alarm



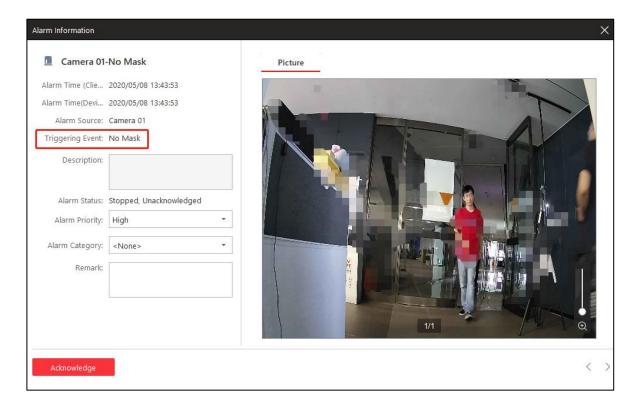
All the abnormal temperature records are saved here



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.



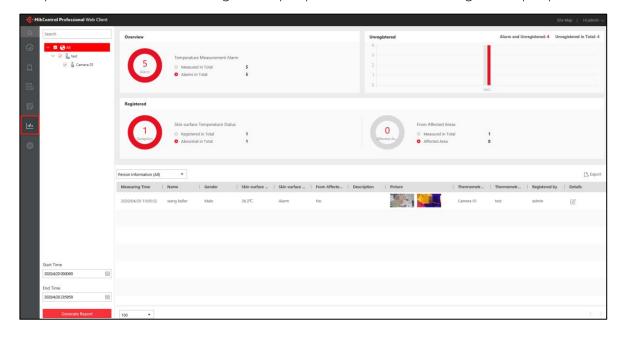




2.3.3 Temperature Report

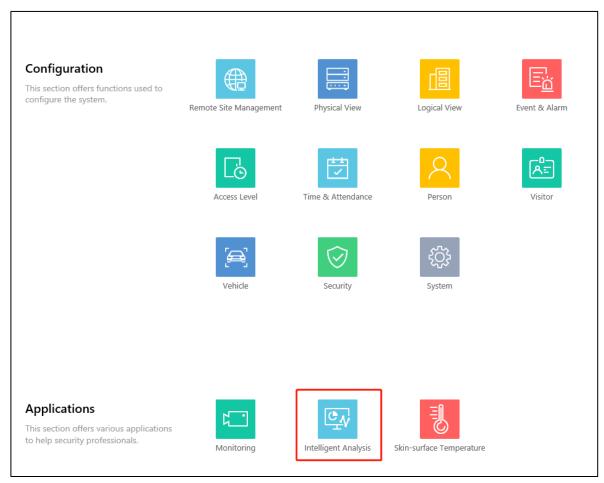
2.3.3.1 Report in Web Client

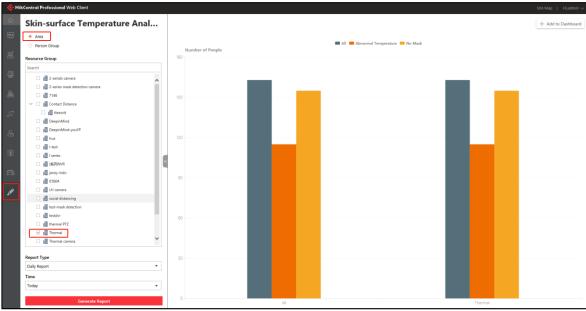
The report can count the temperature measurement data of a certain day or period, including the total number of temperature measurement, the number of abnormal temperature, the number of registered people, the number of unregistered people, etc.





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





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							
Basic Information							
Export Time: 2020/06/11 15:01	:48						
Exported by: admin							
Export Content:							
Report Time: 2020/06/11 00:00	0:00 - 2020/06/11 23:59:59						
Total Number: 1							
No.	Data	Area	Total Number	Temperature Abnormal Numb	Temperature Abnormal Perce	No Mask Number	No Mask Percentage
1	2020/6/11	Thermal	128	92	72%	120	94%

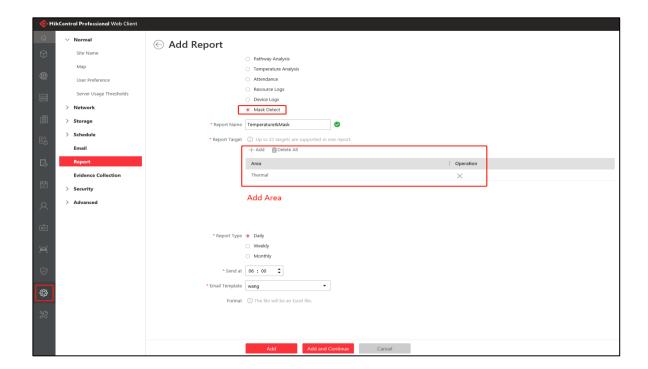
Note: Effective collection for Area of report refers to the collected by the DeepinMind NVR or MinMoe device person mismatched.

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

Please click here to check the report with person group.

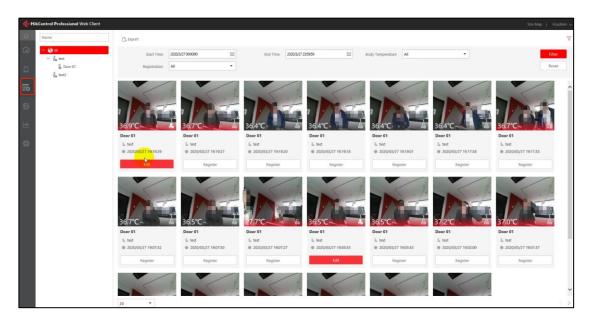
Go to Web Client/System/Report. Select Mask Detect. Click Add to add the Area you need report, set other information, then you can receive the report by e-mail.



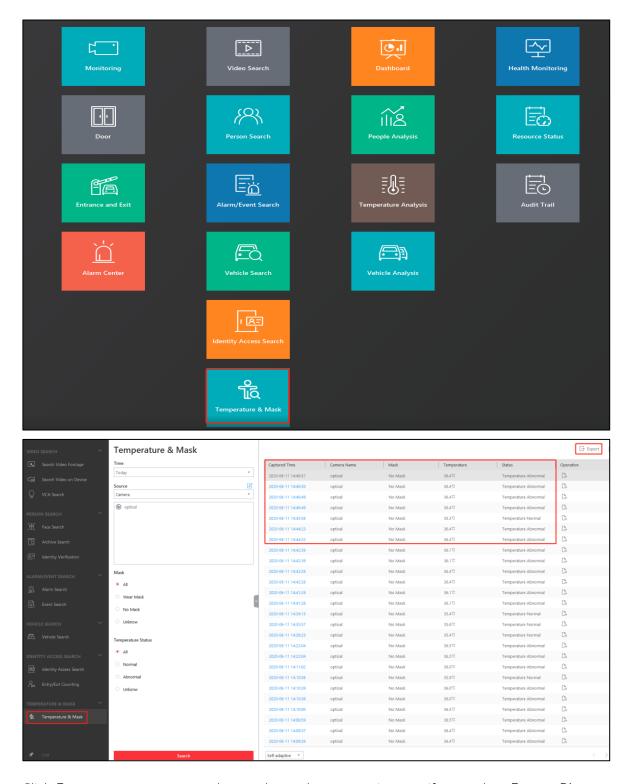


2.3.4 Historical Temperature Measurement Data

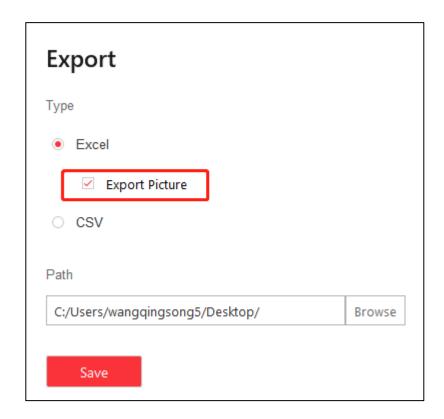
On Web Client, history module can display all historical temperature measurement data, including normal and abnormal Skin-surface Temperature data



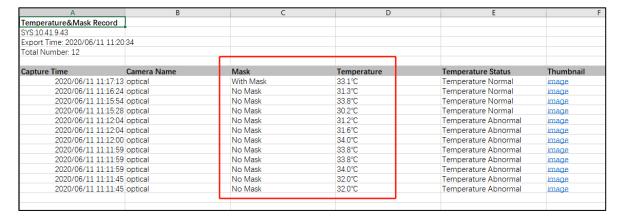
On Control Client, go to Temperature & Mask module. Select one camera, you can search out the temperature screening and mask detect results.



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



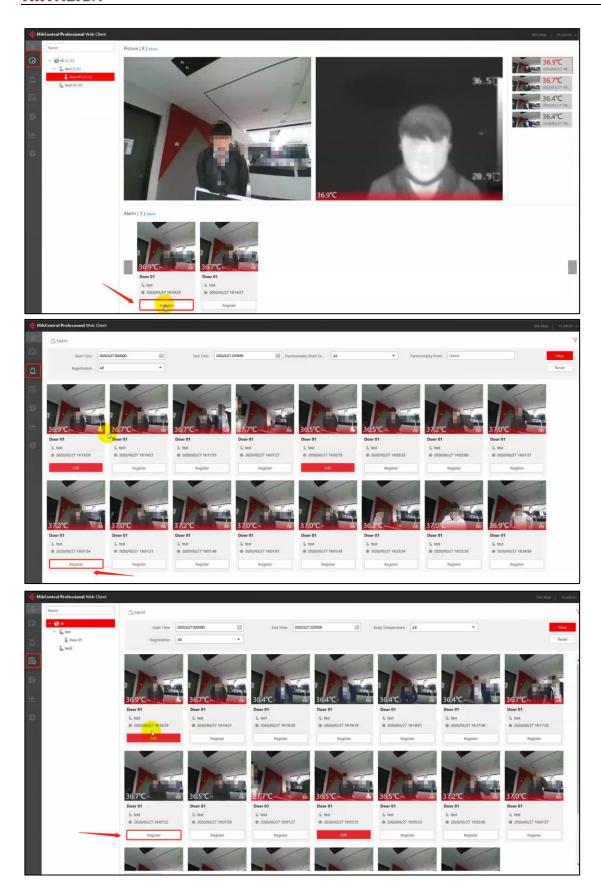
Note: It doesn't support export picture when export data with CSV Type.



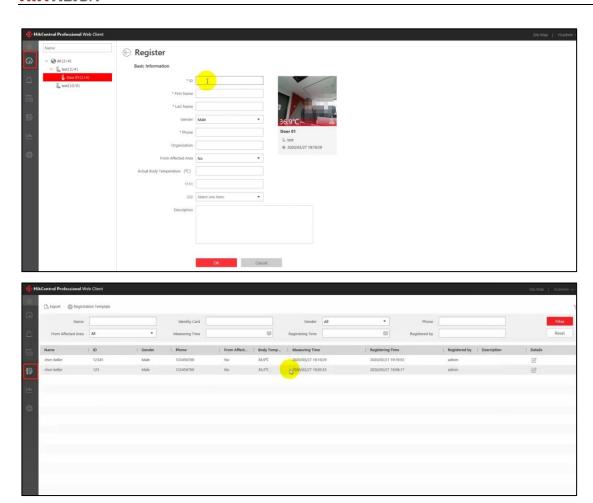
2.3.5 Person with Abnormal Temperature Registration & Historical Registration

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.









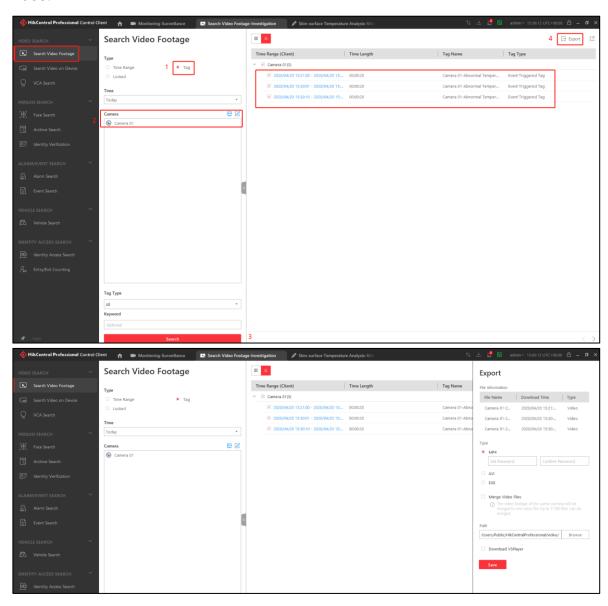
2.3.6 Alarm Video Export

Go to Control Client. Click Video Search Module.

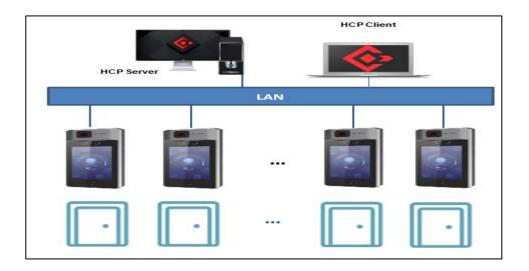




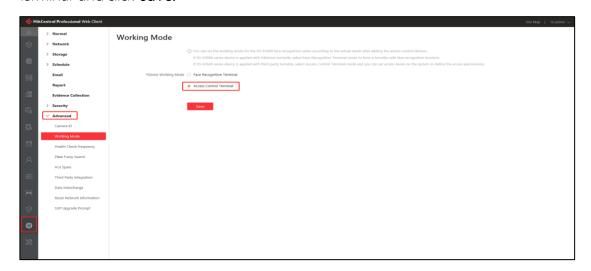
Select **Tag** of Type. Select time. Select one Camera of Camera. Select Tag Type. And you can fill the Keyword also. Click **Search** to search out the video, Click **Export** to export the video.



3. Configuration for Temperature Screening with Access Control

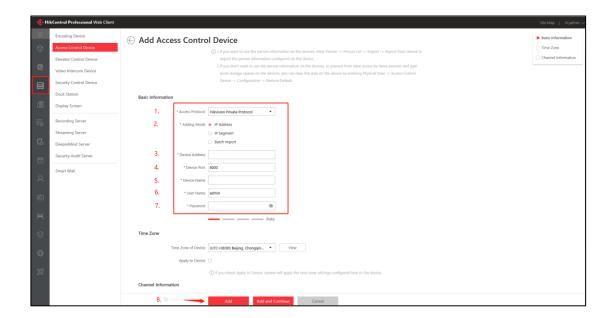


- 3.1 Add Device
- 3.1.1 Add Access Control Device with 3rd Party Barrier Gate
- 1) Go to Home Page/System/Advanced/Working Mode. And select Access Control Terminal and click save.

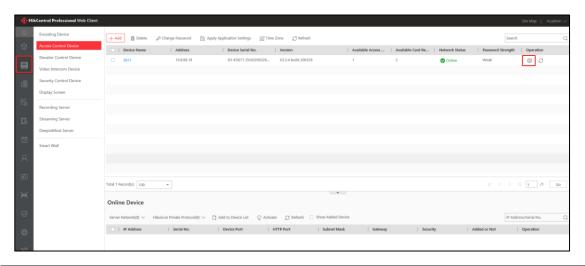


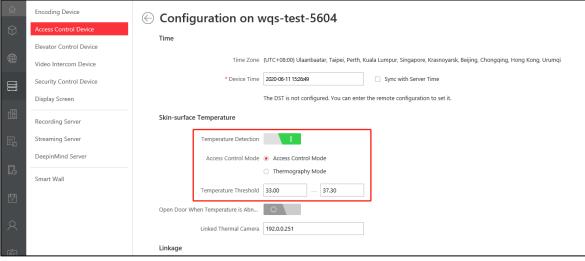
2) Go to Home Page/Physical View/Access Control Device. Click Add to add access control device.





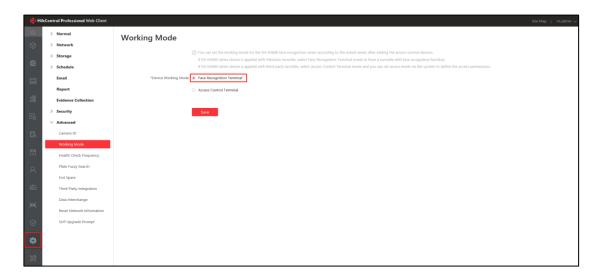
3) Click remote configuration. Set Access Control Mode or Thermography Mode and Temperature Threshold.



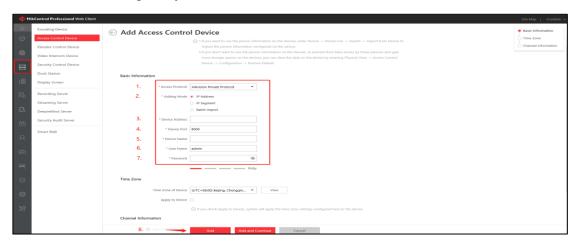




- 3.1.2 Add Access Control Device with Hikvision's Barrier Gate
- 1) Go to Home Page/System/Advanced/Working Mode. And Select Face Recognition Terminal and click save.

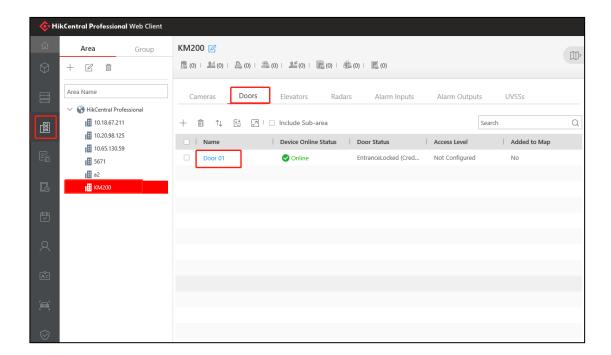


2) Go to Home Page/Physical View/Access Control Device. Click Add to add Turnstile.

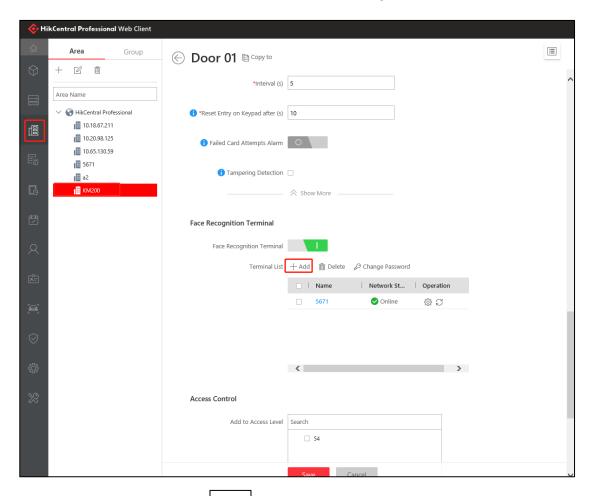


3) Go to Home Page/Logical View. Click Turnstile device area, select door and click access control point name to add Access Control Device.



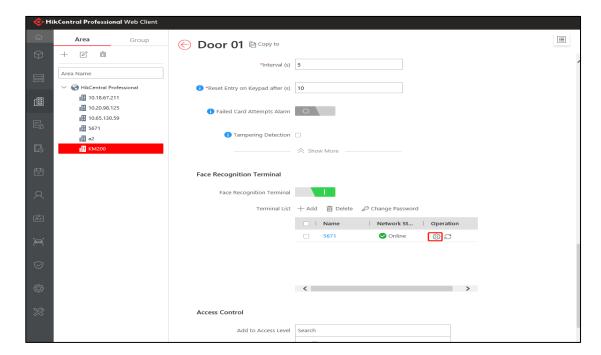


Add Access Control Device to Turnstile as Face Recognition Terminal

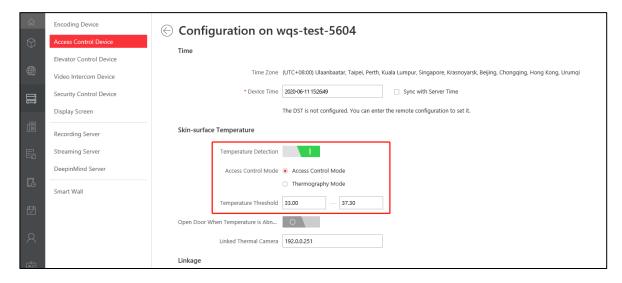


Click remote configuration

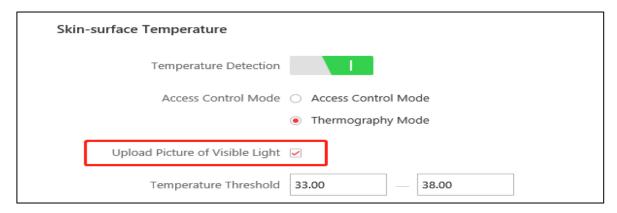




Set Access Control Mode or Thermography Mode and Temperature Threshold.



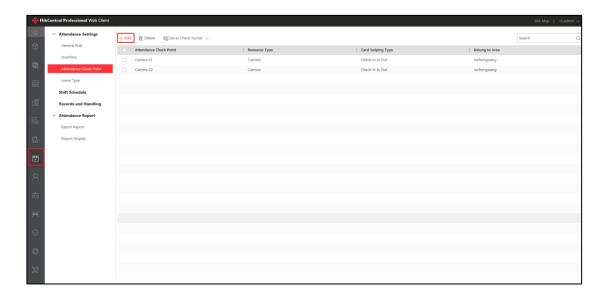
Note: When you select Thermography Mode, please note the device doesn't upload the captured picture with default, if you need it, please select **Upload Picture of Visible Light**.





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.

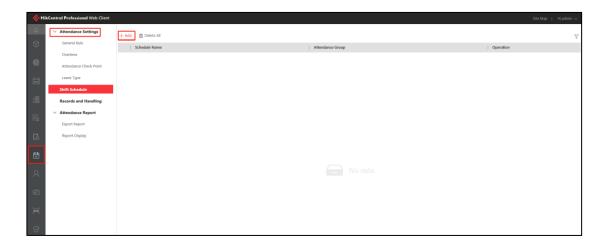


 Add Access Level. Go to Home Page/Access Level. Click Add to set the access level you need.



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

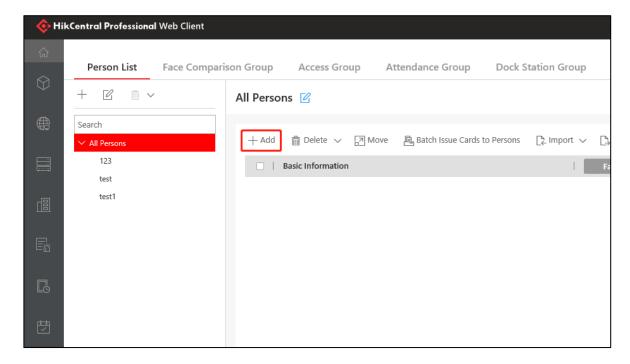




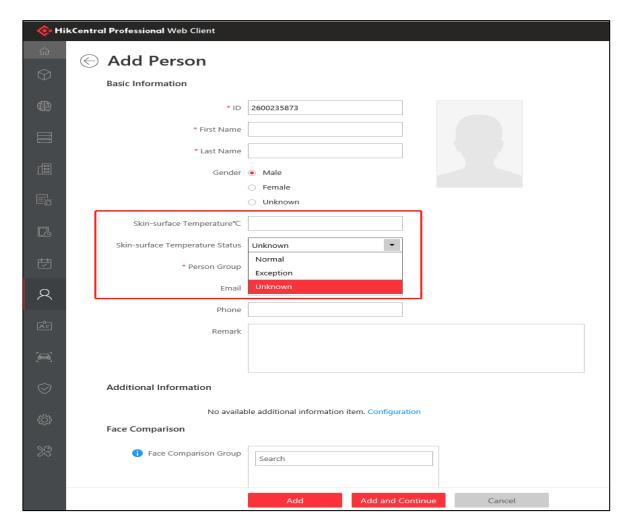
3.3 Personnel Management

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



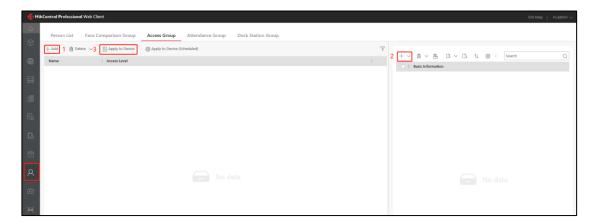




2) Add Group in Access Control Group, Attendance Group and add Person to this groups and apply to device.

Configuration for Access Control Group

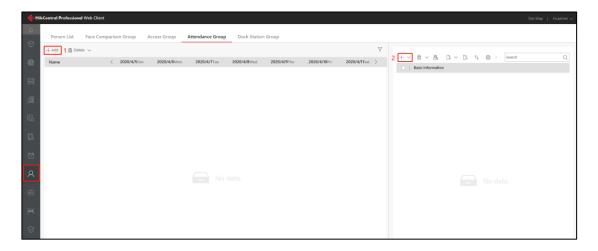
Add Access Control Group. Add Person to Group. Apply to Device





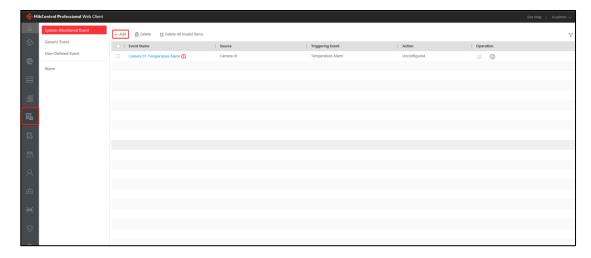
Configuration for Attendance Group

• Add Attendance Group and add Person to the Group.



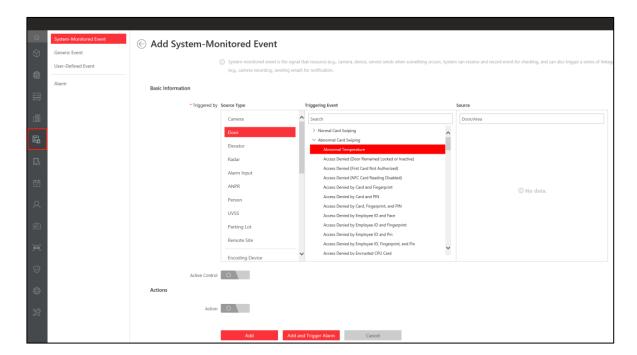
3.4 Event & Alarm Configuration

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

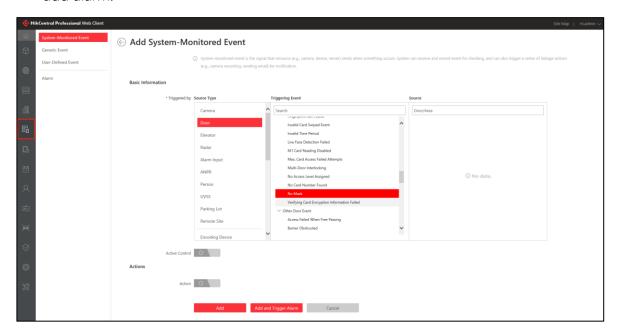


Select Door of Source Type, select Abnormal Skin-surface Temperature of Triggering
 Event/Abnormal Card Swiping, select access control point of Source and click Add
 and Trigger Alarm to add alarm.





 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.



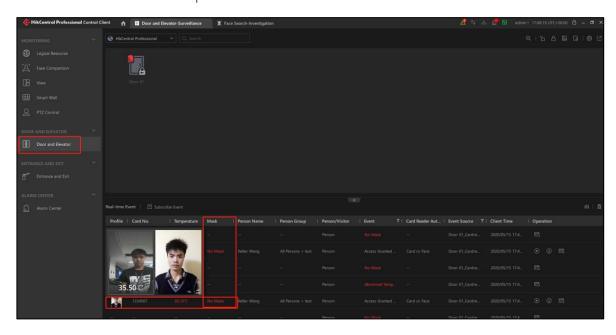
3.5 Function Operation

3.5.1Real-time Temperature Measurement/Mask Events

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

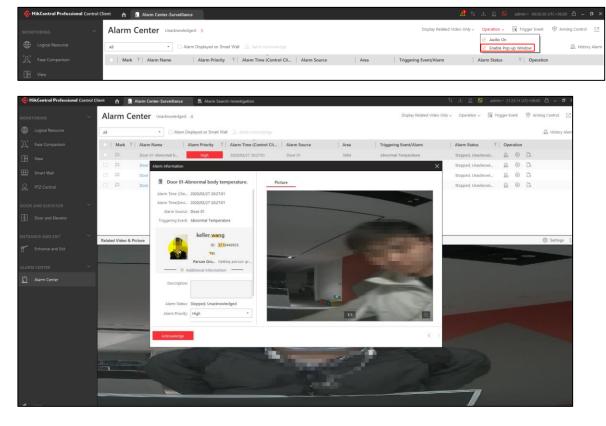


abnormal Skin-surface Temperature and No Mask will be marked red.

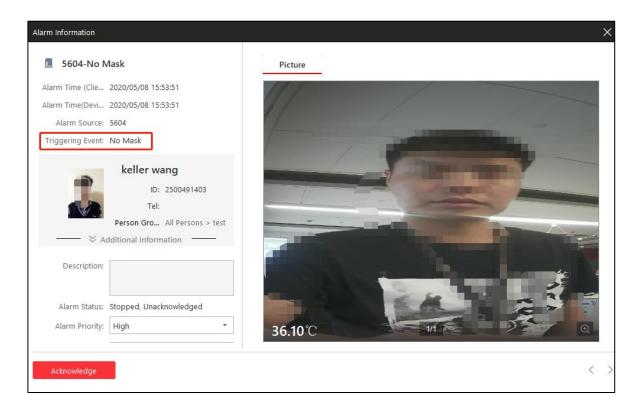


3.5.2 Abnormal Temperature/No Mask Alarm

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.

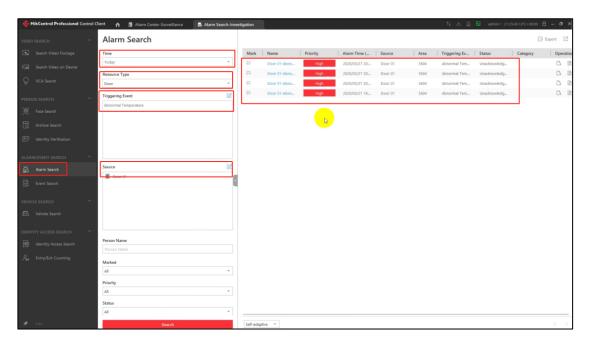






3.5.3 Event / Alarm Search

All historical alarms can be queried in the alarm search module

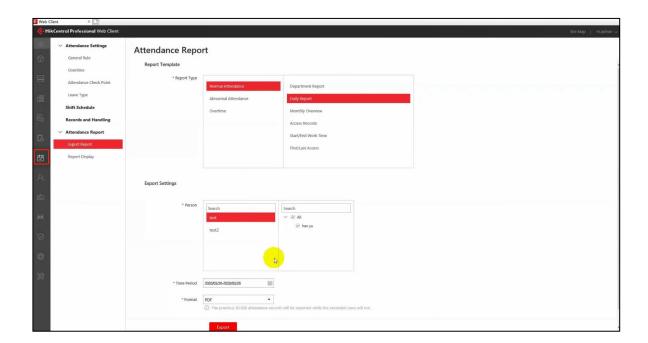


3.5.4 Attendance Report

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

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



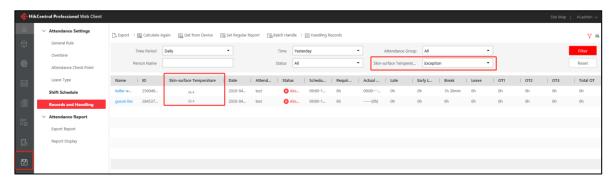


The report contains personnel temperature data and temperature status



3.5.5 Search Person Batch by Temperature

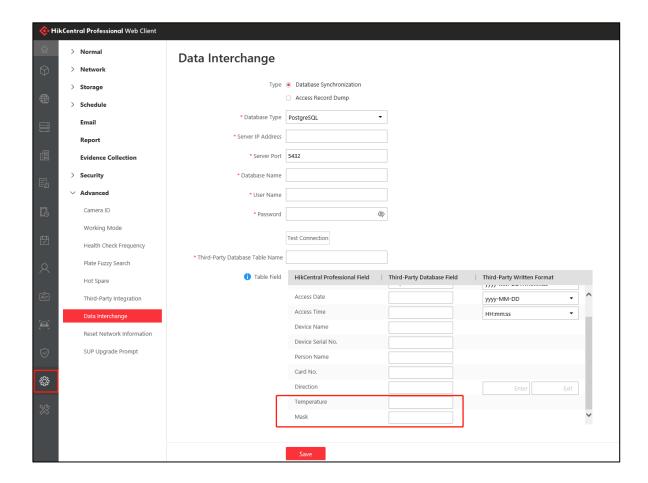
Go to Home Page/Time Attendance/Records and Handling, we can search records by Skin-surface Temperature and we can edit the records



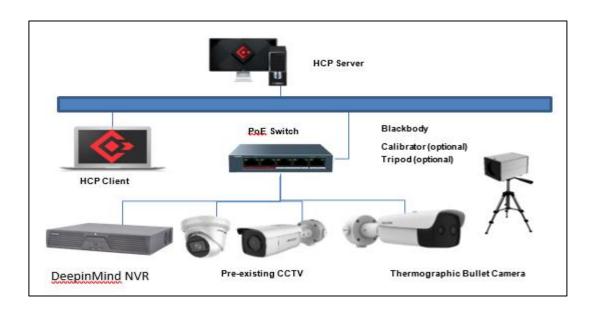
3.5.6 DataInterchange

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





4. Configuration for Interactive AI Temperature Screening



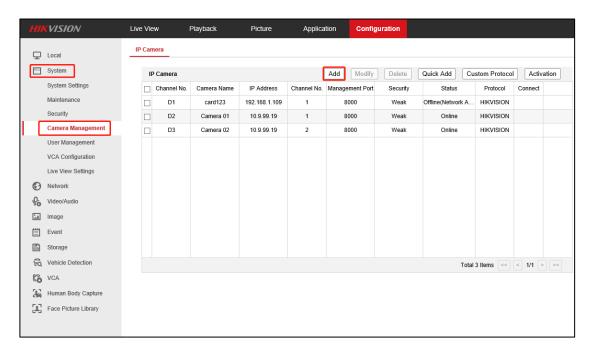


4.1 Thermal Camera Configuration

Please click here to check the Configuration for Thermal Camera

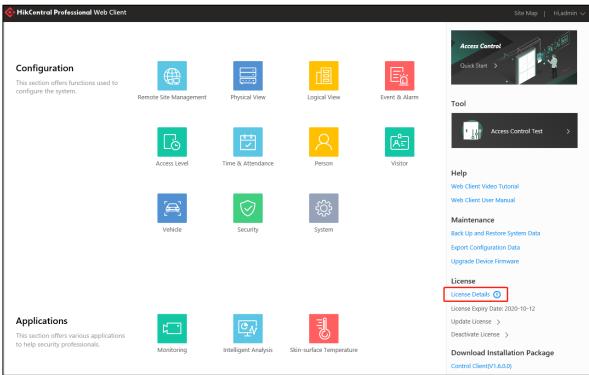
4.2 Add Device

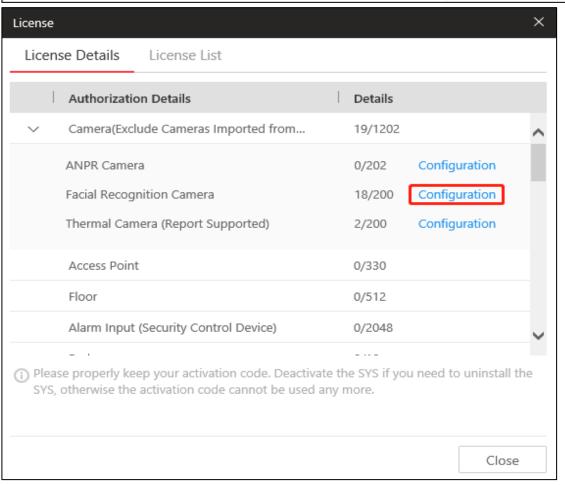
- 1. Login to the website of DeepinMind NVR
- 2. Go to Configuration/System/Camera Management. Click Add to add the thermal camera to NVR.



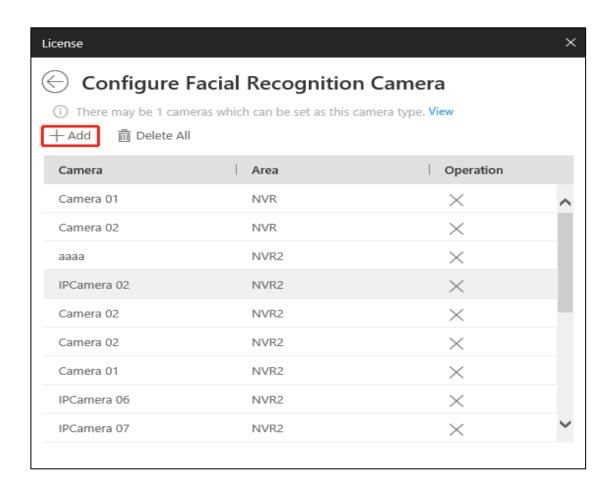
3. Go to HikCentral Web Client Home Page/License Detail. Click Configuration of Facial Recognition Camera and click Add to add the thermal camera.





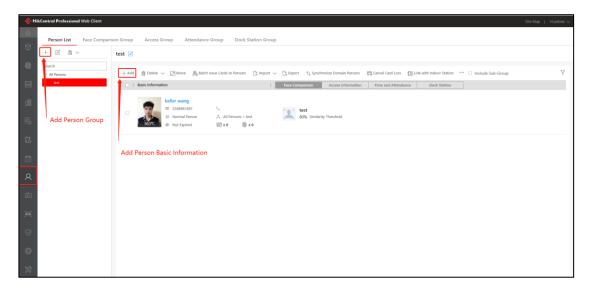






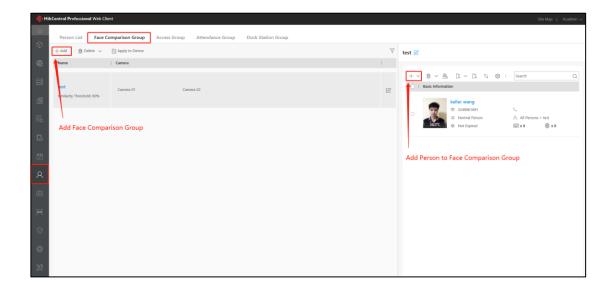
4.3 Personnel Management

1. Add Person Basic Information

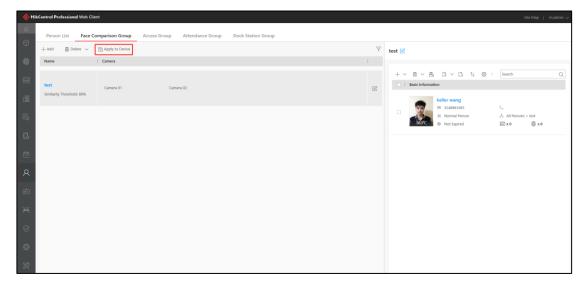


2. Add Face Comparison Group and add person to this group.

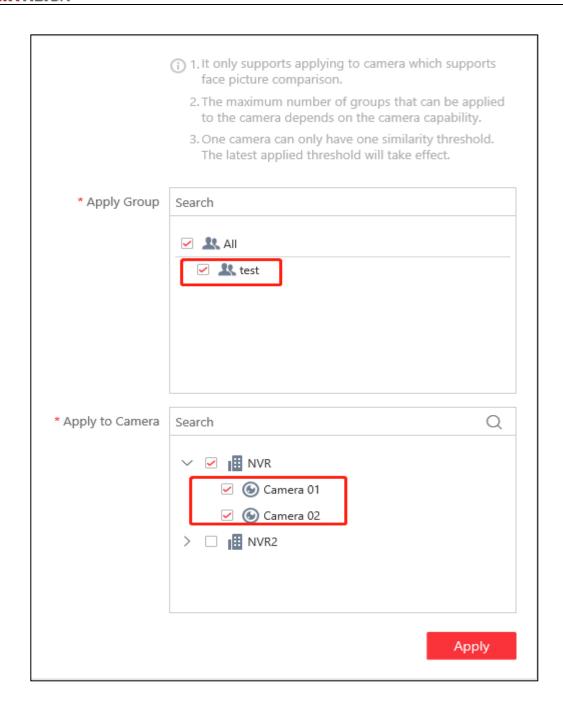




3. Apply group to Device







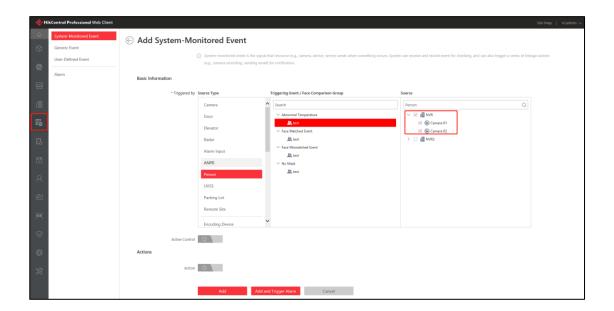
4.4 Event & Alarm Configuration

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



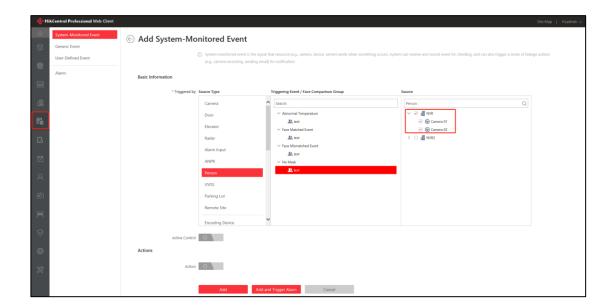


 Select Person of Source Type, select one Face Comparison Group under Abnormal temperature of Triggering Event/Face Comparison Group, select Camera of Source and click Add and Trigger Alarm to add alarm.

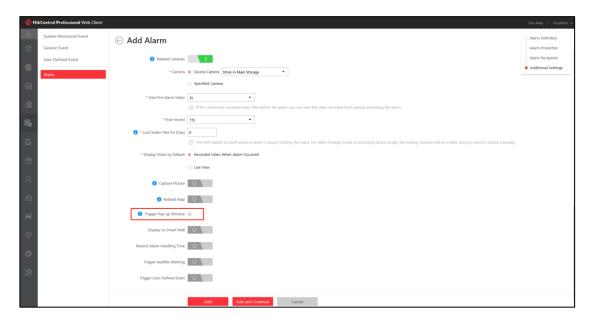


 Select Person of Source Type, select one Face Comparison Group under No Mask of Triggering Event/Face Comparison Group, select Camera of Source and click Add and Trigger Alarm to add alarm.





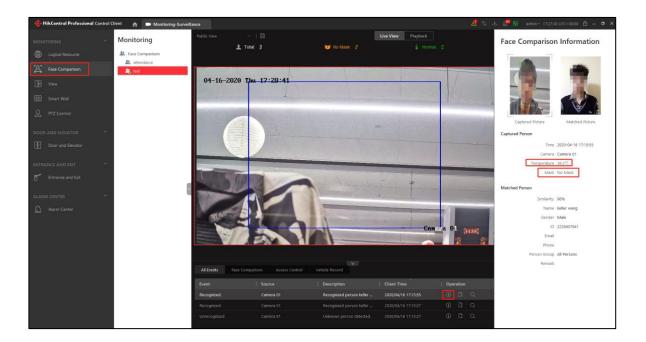
When you add alarm, you can enable Trigger Pop-up Window if you need



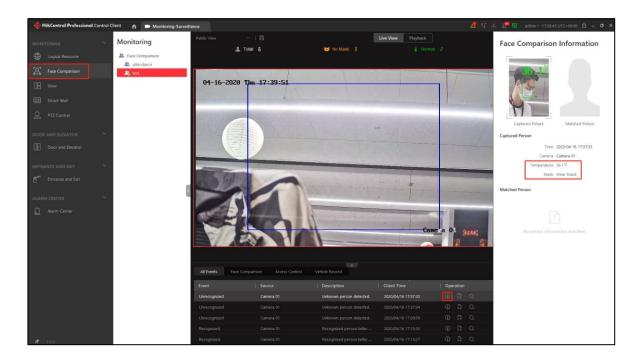
4.5 Function Operation

4.5.1 Real-time Face Events

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



People Matched

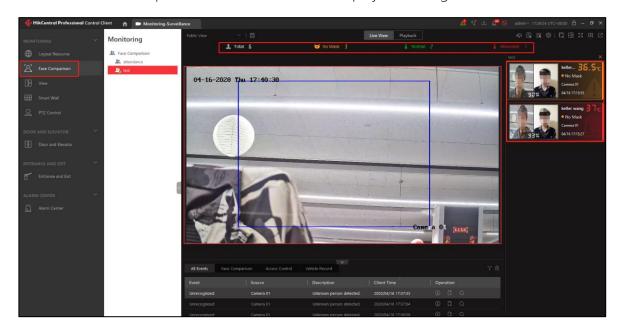


People Mismatched

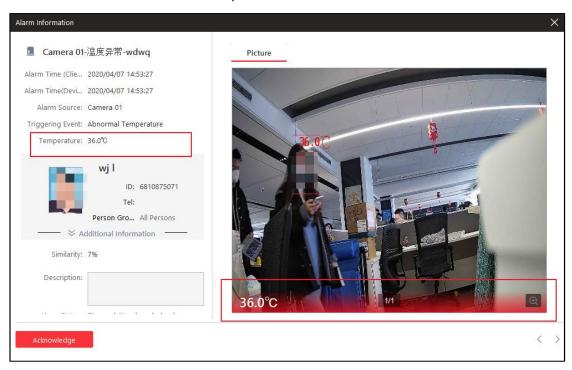
And the interface can show the number of detected persons totally, the number of No Mask person, the number of Normal Temperature person and the number of Persons with abnormal Temperature.



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

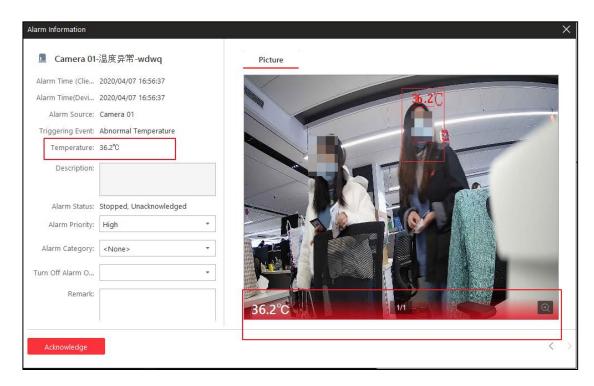


4.5.2 Abnormal Skin-surface Temperature Alarm



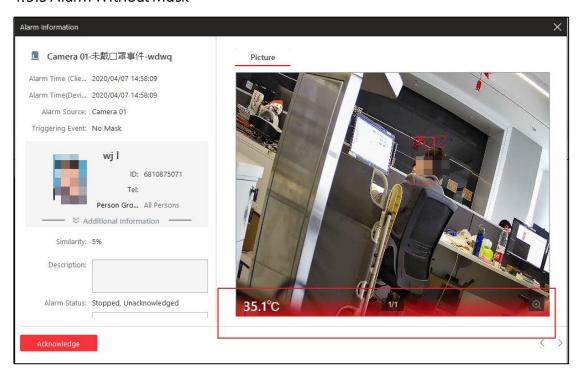
Abnormal temperature alarm in person matched



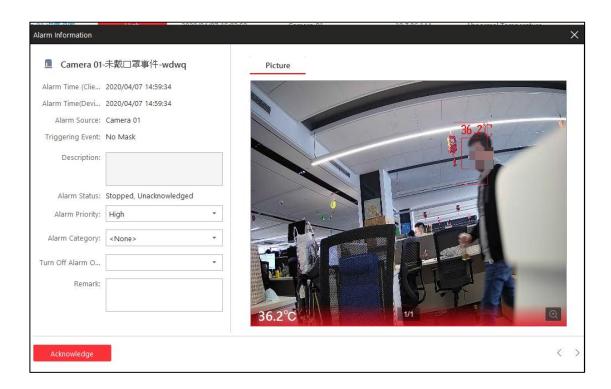


Abnormal temperature alarm during person mismatched

4.5.3 Alarm Without Mask

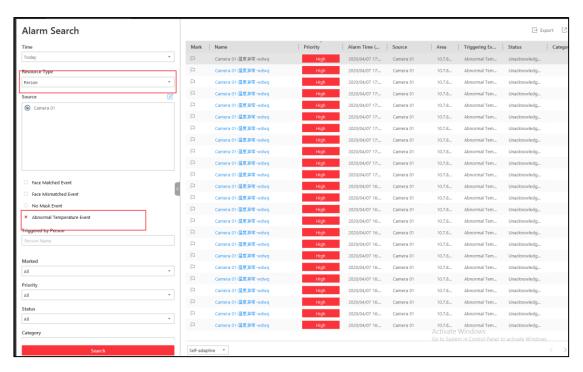


Personnel match and do not wear mask alarm

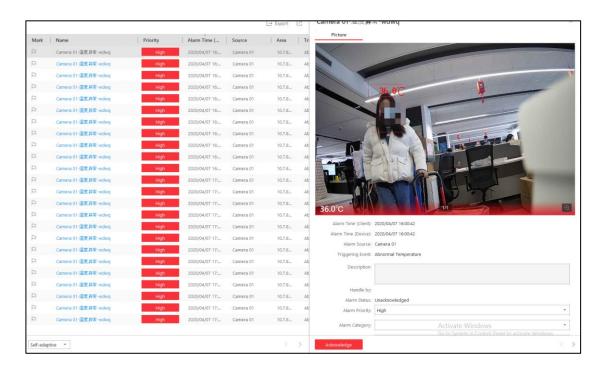


Personnel who mismatch and do not wear mask alarm

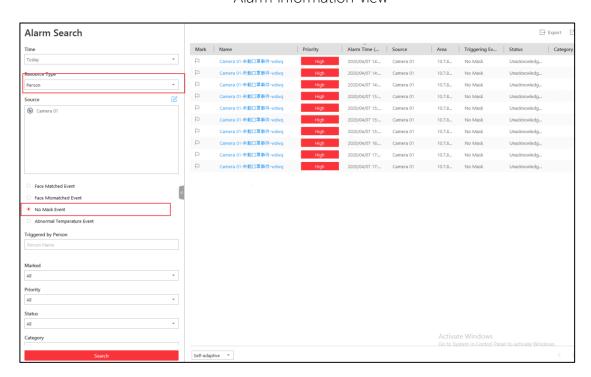
4.5.4 Event/Alarm Search



Abnormal temperature search

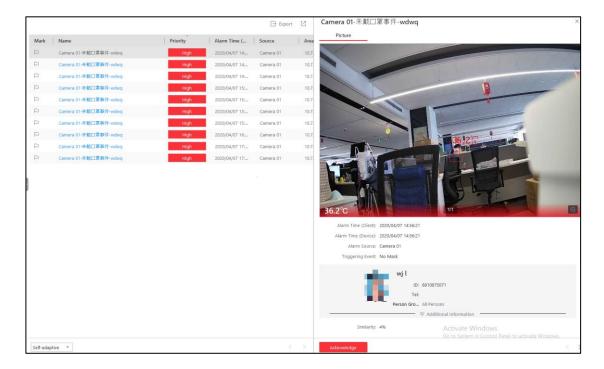


Alarm information view



Alarm search without mask





View alarm information without wearing a mask

Event search is similar to alarm history search

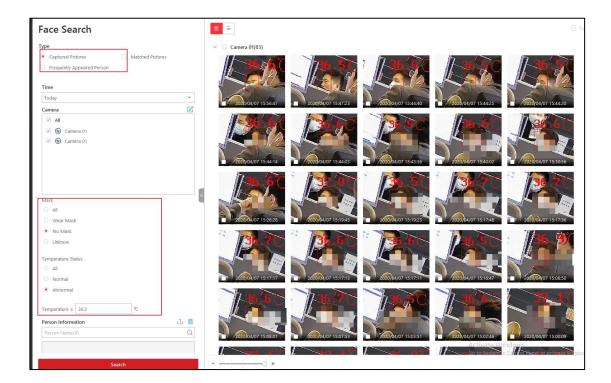
4.5.5 Face Search

Captured picture search

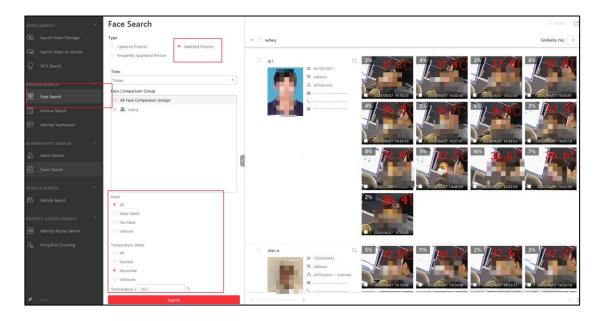
You can search for pictures based on mask status, Skin-surface Temperature status and Skin-surface Temperature numerical conditions.

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



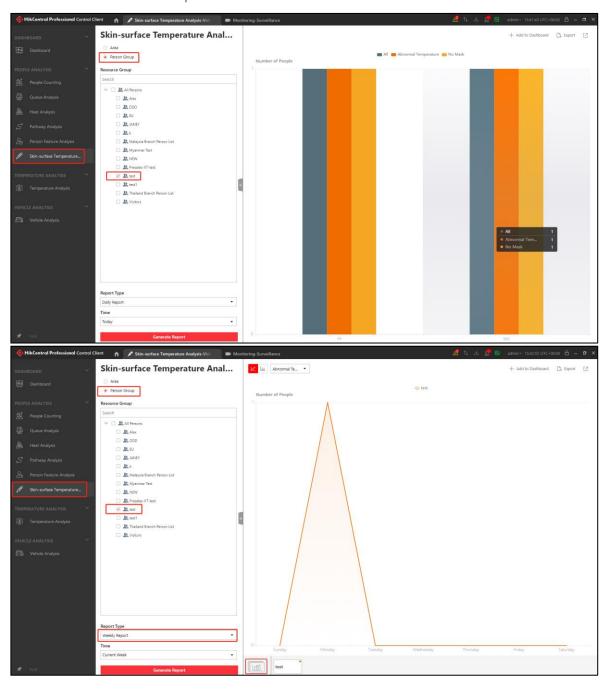
4.5.6 Human Skin-surface Temperature Analysis Report

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

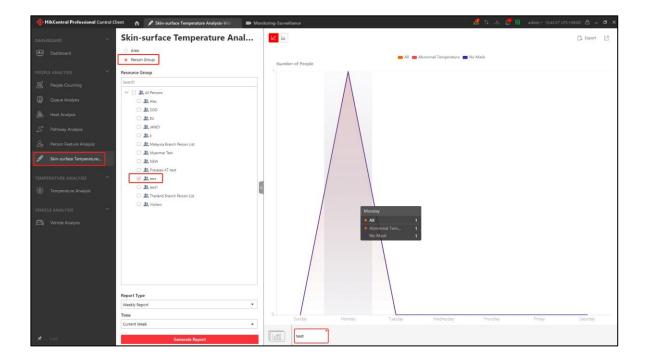


number, the number of abnormal temperature measurements and the number of people without masks.

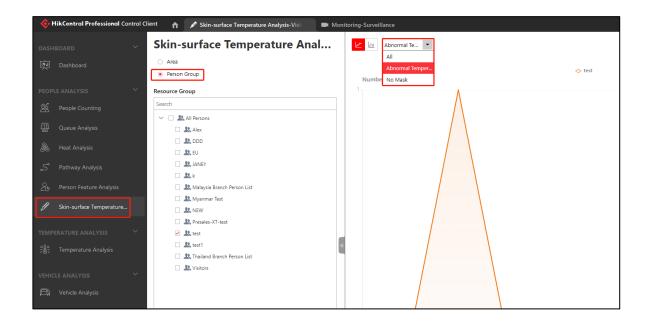
Note: Effective collection refers to the last non-status-unknown data collected by the DeepinMind NVR or MinMoe device per person per day, and the uncollected people are not counted in the total report.



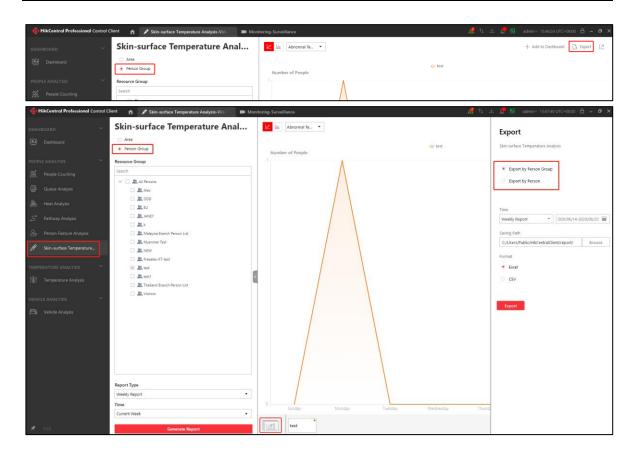




The human Skin-surface Temperature measurement analysis supports report export, which can be selected to export by personnel group and export by personnel, and export the statistics of the number of people with abnormal Skin-surface Temperature and the number of people wearing masks without masks.







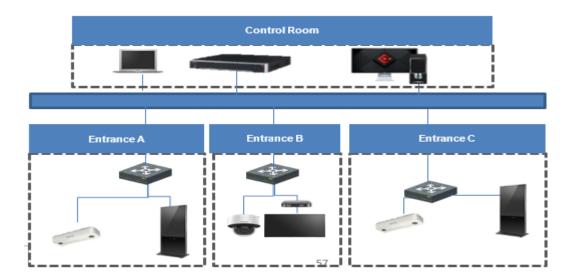


Export by personnel to display the detailed temperature and Skin-surface Temperature status of each individual and the status of wearing a mask.

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

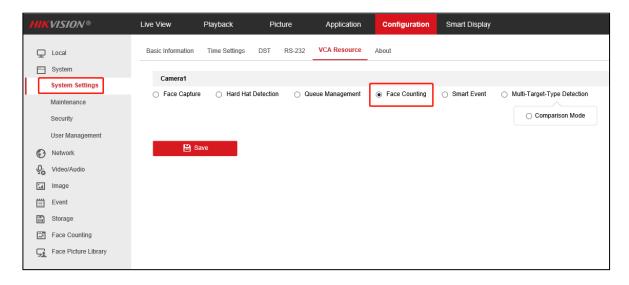
Please click here to check the report with person mismatched data.

5. Configuration for Social Distancing-Flow Control

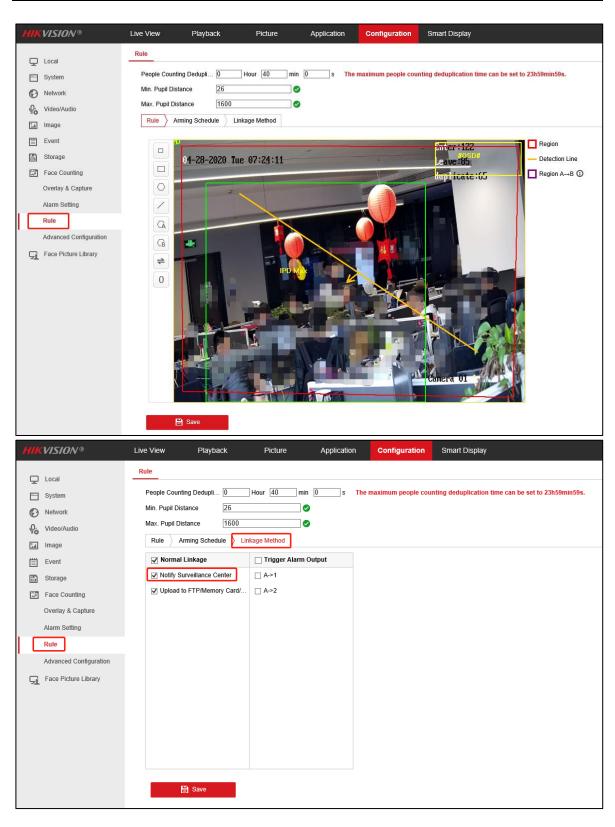


5.1 Camera Configuration

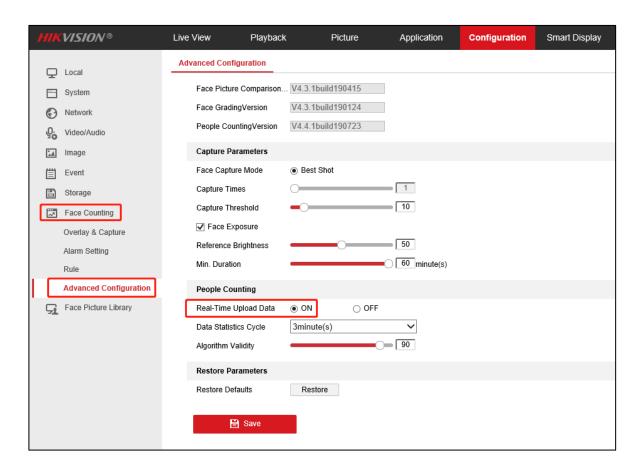
1. Login to device website, Go to Configuration/System/System Settings. Select Face Counting and click save.



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

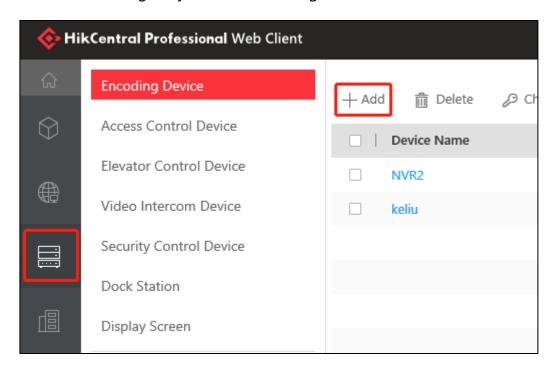


3. Go to Configuration Face Counting/Advanced Configuration/People Counting/Real-Time Upload Data. Select ON and click save.

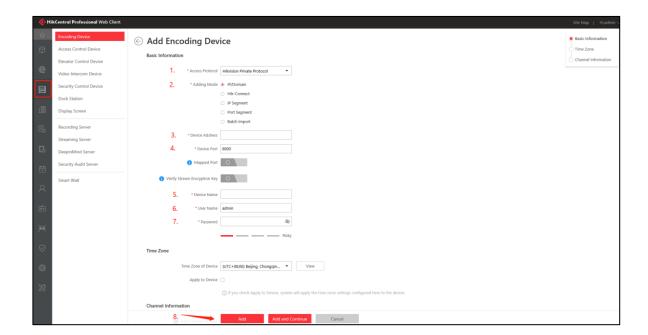


5.2 Add Device

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





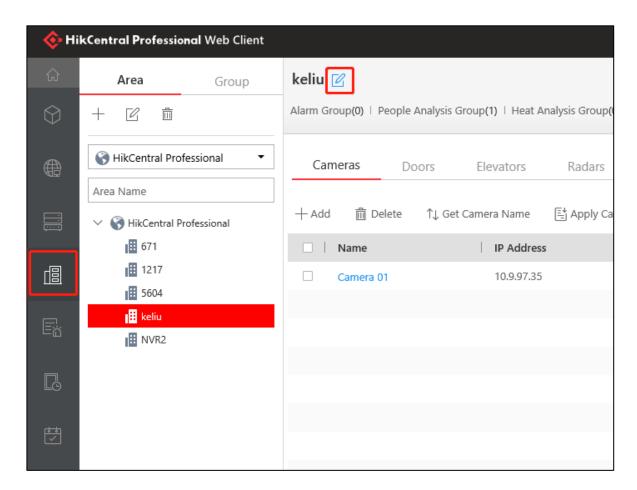


Note: 6825 camera supports access to platform by ISUP5.0 and upload people counting data.

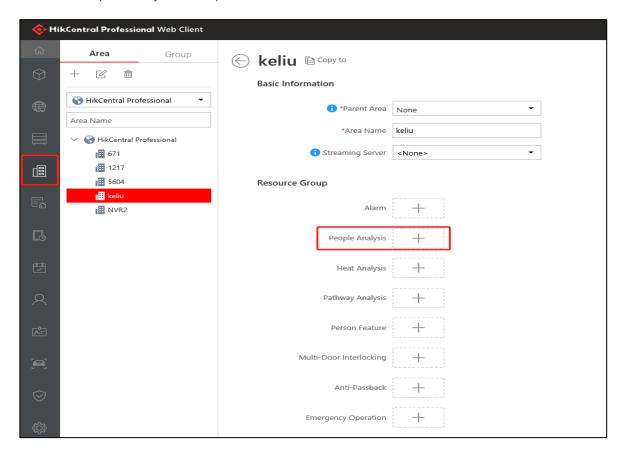
5.3 Resource Group Configuration

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





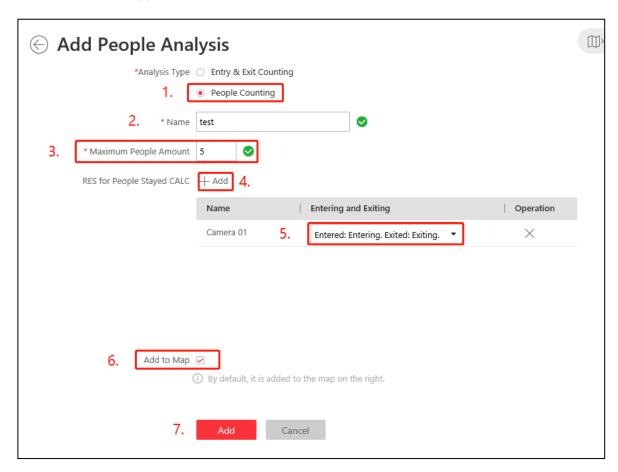
3. Add People Analysis Group

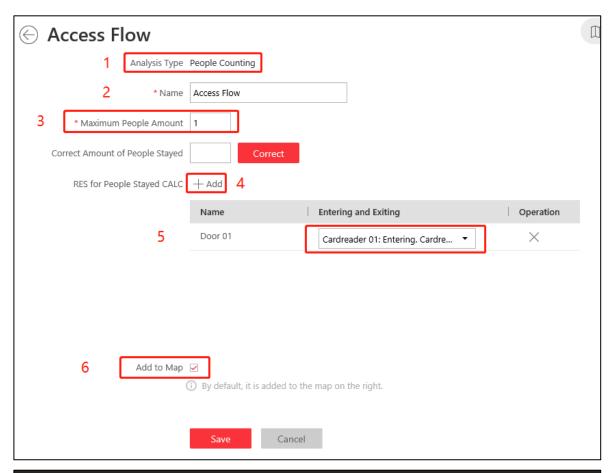


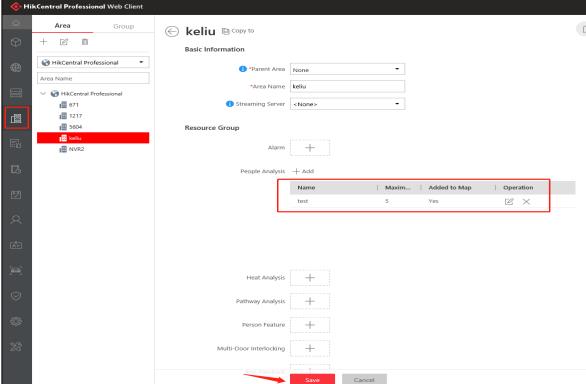


Select People Counting of Analysis Type, fill the Name, fill the number of Maximum people Amount, Add the Camera, and add this group to map, click **save**.

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







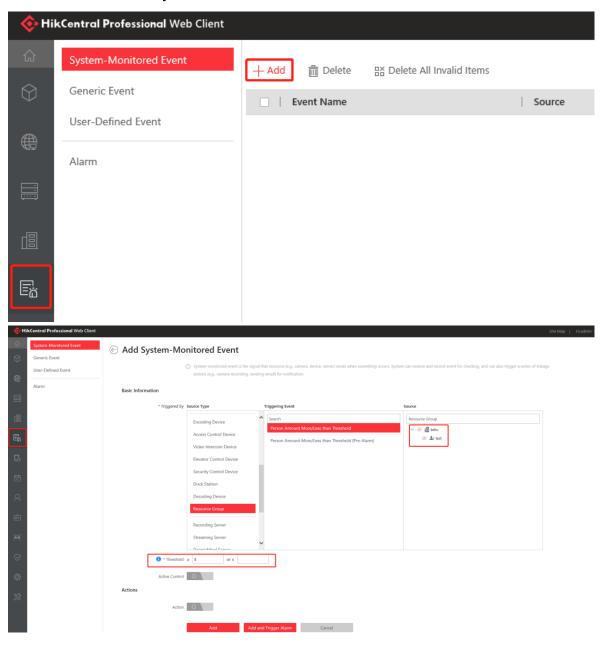
Note: If the access control device enable the Thermography Mode, when device detect the person temperature is normal, the number of PEOPLE INSIDE will increase by one,



and otherwise, it will not increase.

5.4 Event & Alarm Configuration

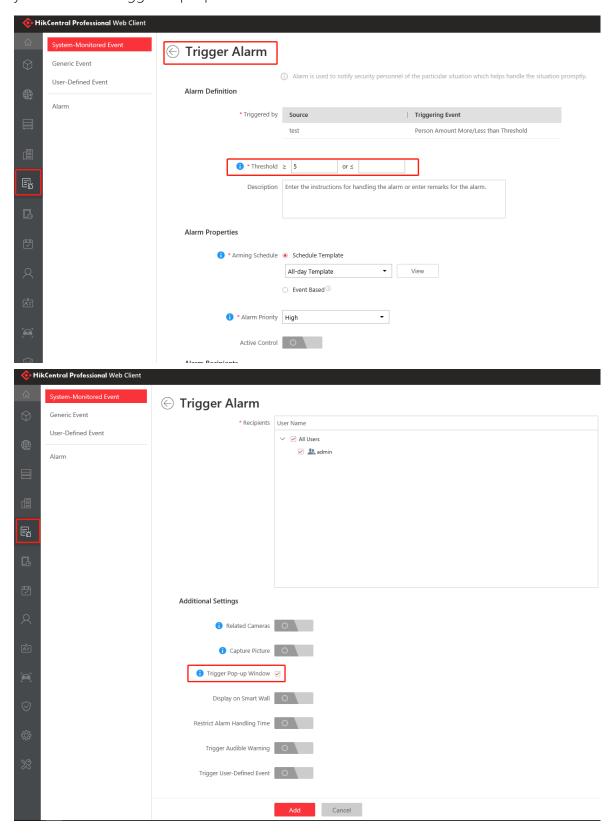
Go to Event & Alarm/System-Monitored Event. Click Add.



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.

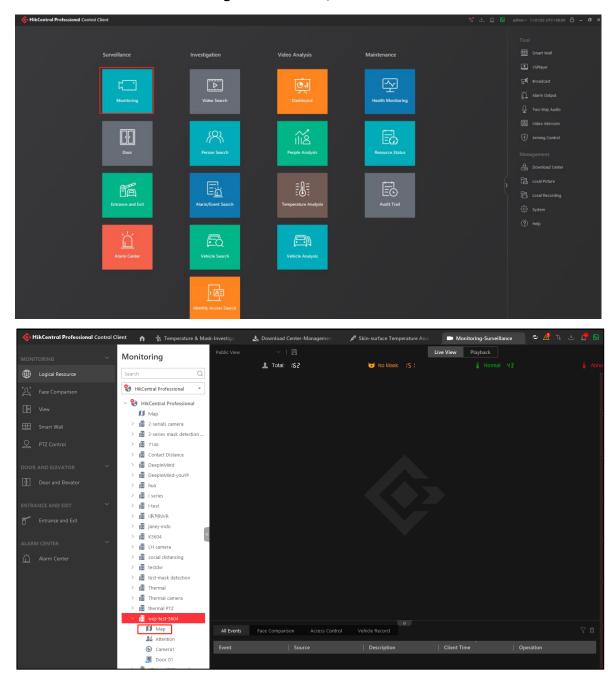




5.5 Function Operation

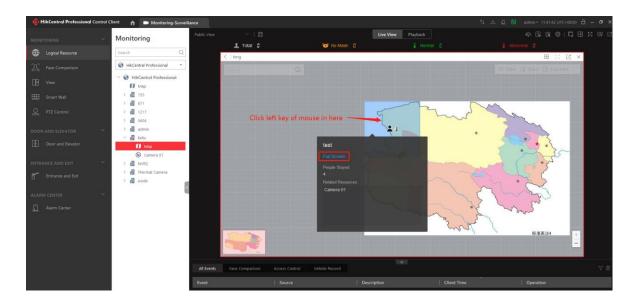
5.5.1 Real Time People Counting

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

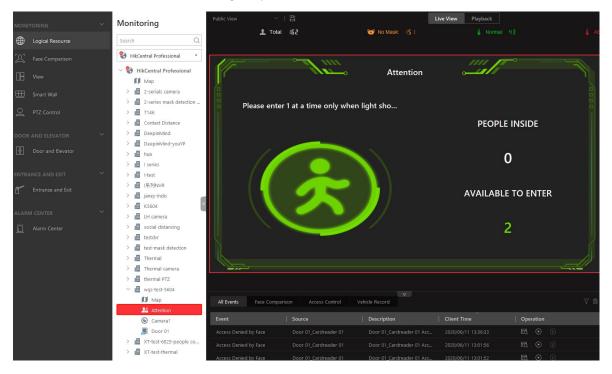


Click on source group, then click Full Screen.



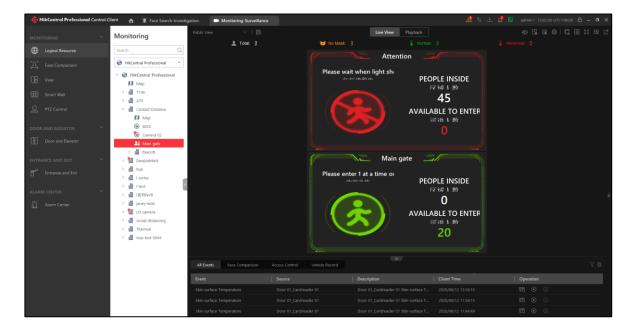


You can double click the source group name to check also.



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.



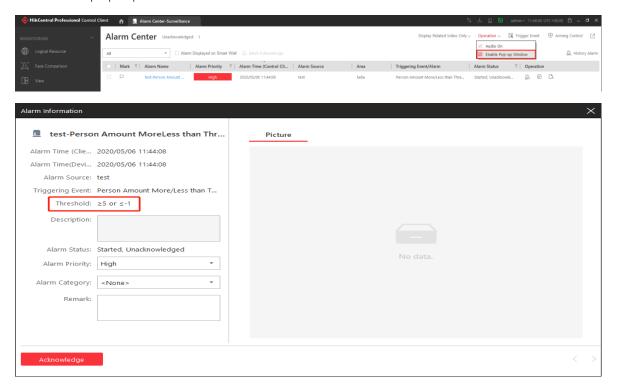
If the number of available to enter is 0, it will show red





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.



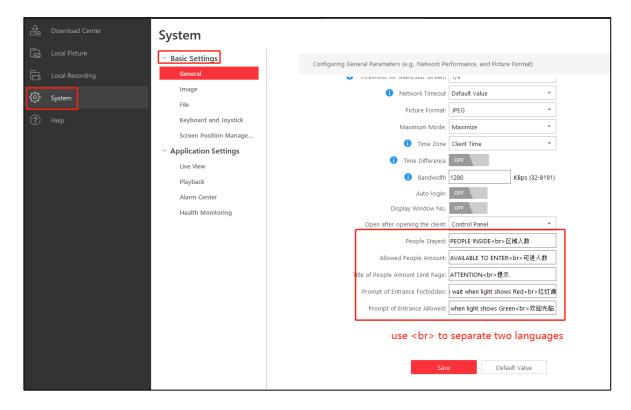
5.5.3 Multi-lingual of People Counting Interface

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.





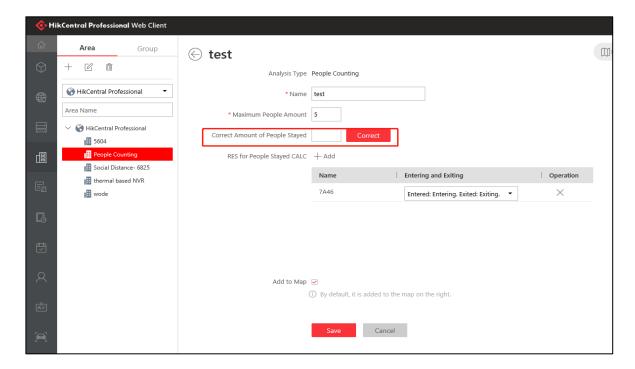
Note: The Interface from double click source name is not support changed the title from System settings. Just the interface from map support change the title.



5.5.4 Modify the Number of People Inside

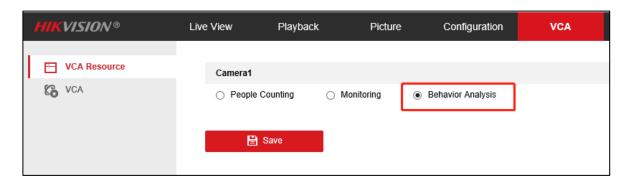
If you found the number of people inside is not correct, you can go to Website/Logical View, select which group with error, click edit, then input the correct number in Correct Amount of People Stayed, then click **Correct**.





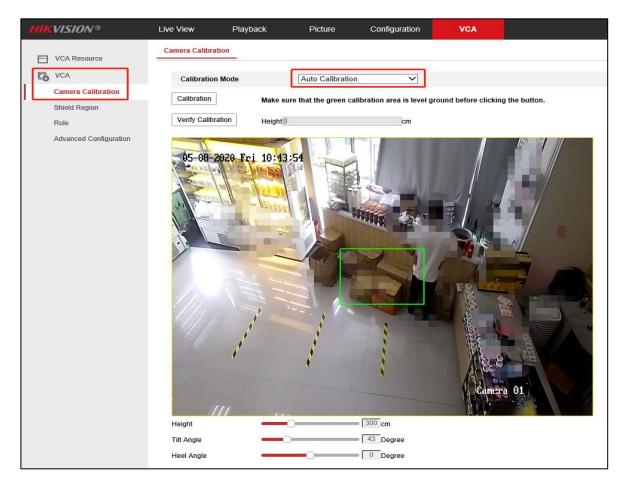
Note: 7 series camera doesn't support this function

- 6. Configuration for Social Distancing-Contact Distance
- 6.1 Camera Configuration
- 1. Login to device website, Go to VCA/VCA Resource. Select Behavior Analysis.

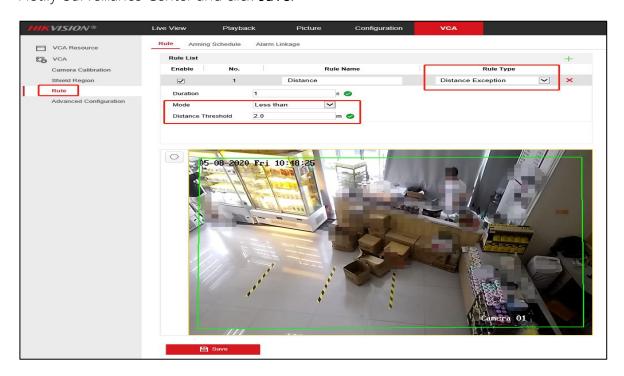


2. Go to VCA/VCA/Camera Calibration. Select Auto Calibration of Calibration Mode.

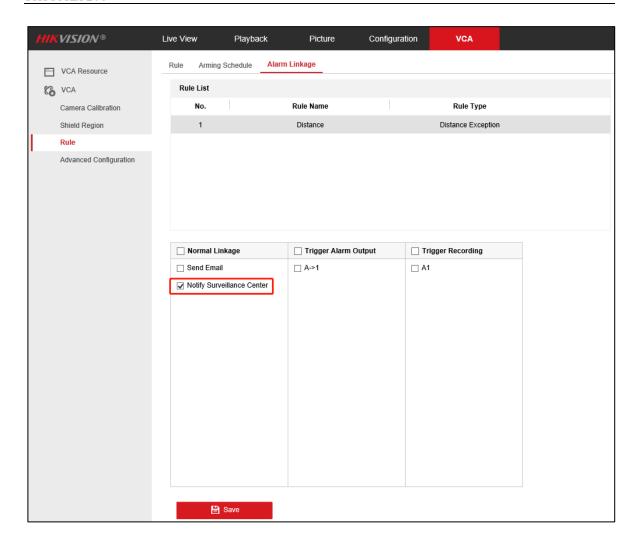




4. Go to VCA/VCA/Rule. Click Enable, select Distance Exception of Rule Type, select Less than of Mode, fill the value of Distance Threshold, and go to Alarm Linkage, select Notify Surveillance Center and click save.

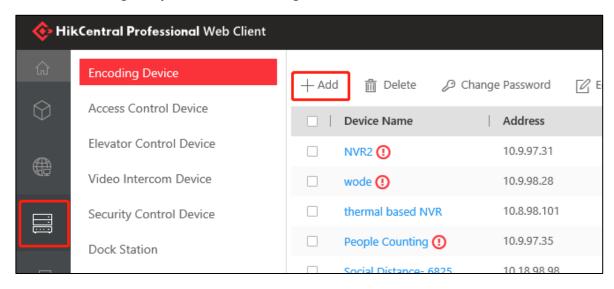




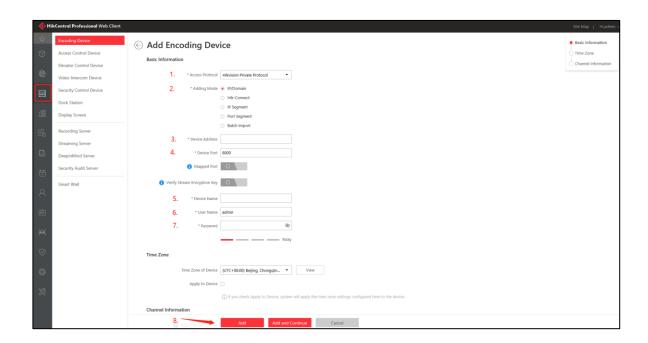


6.2 Add Device

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

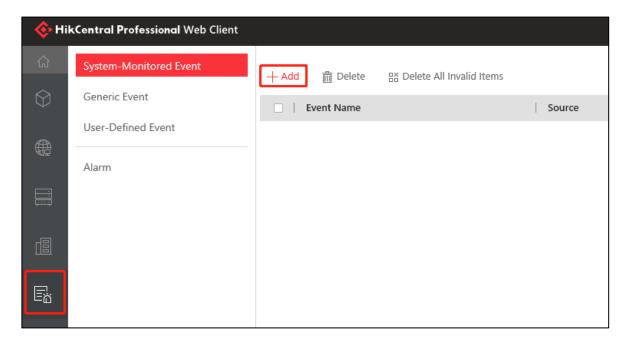






6.3 Event & Alarm Configuration

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

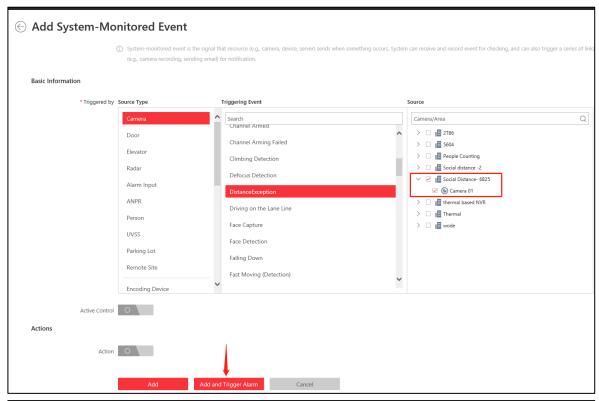


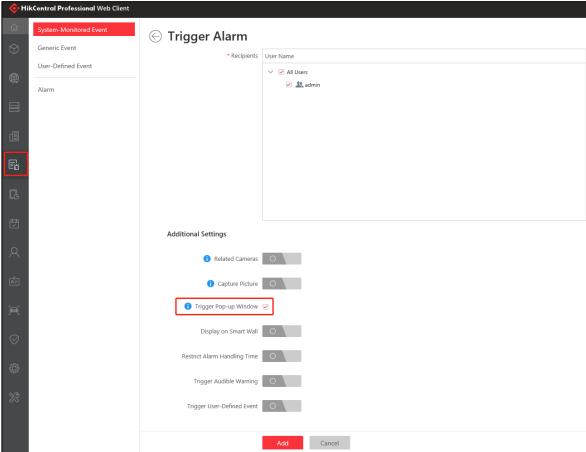
Select Camera of Source Type, Distance Exception of Triggering Event, select one camera as Source, then click Add and Trigger Alarm.

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



Window



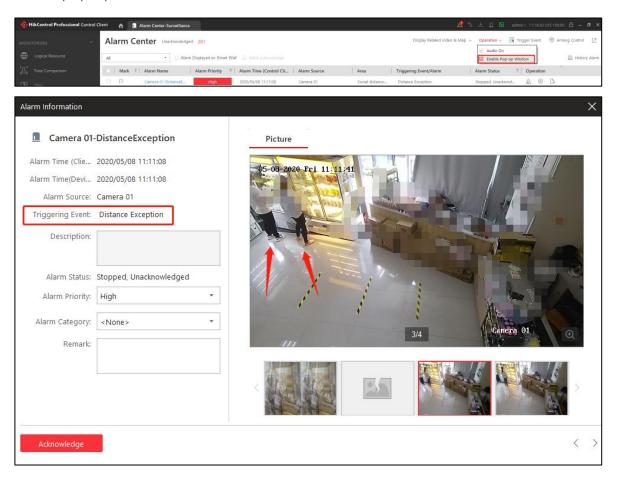




6.4 Function Operation

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.

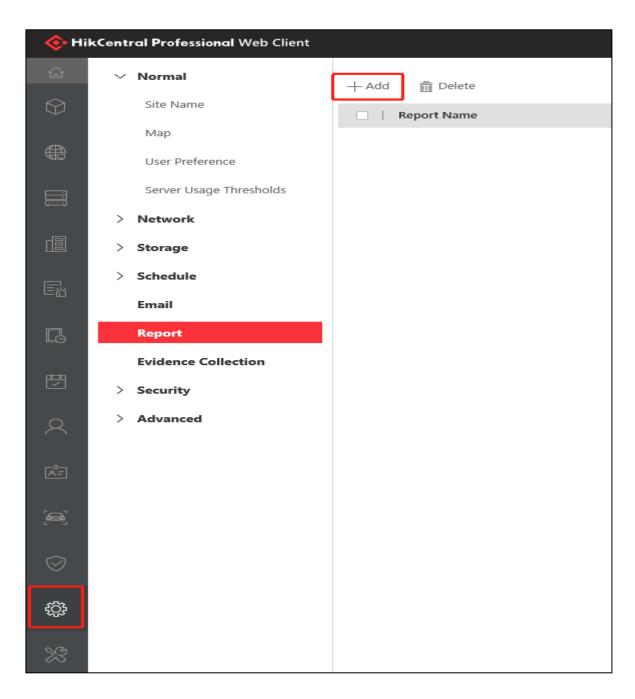


6.4.2 Report Alarm

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.

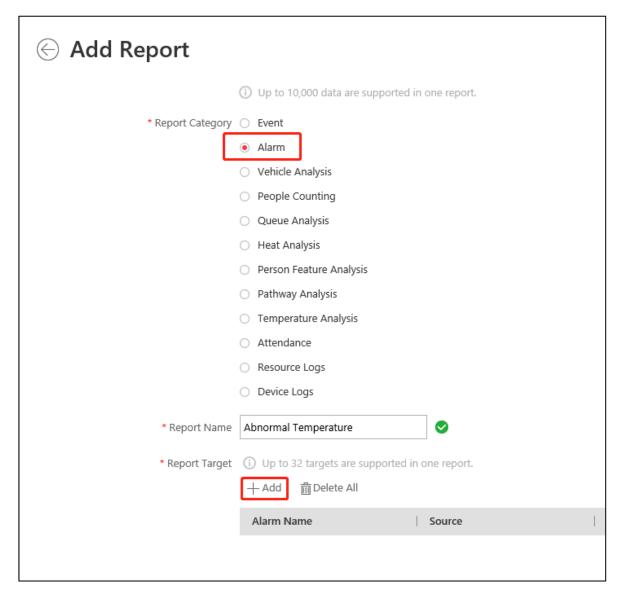


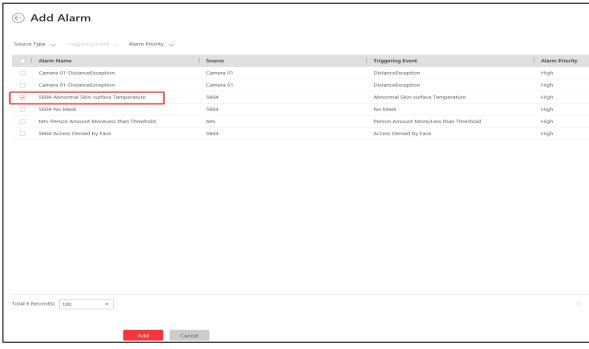


Select Alarm, fill the Report name and click add of Report Target.

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



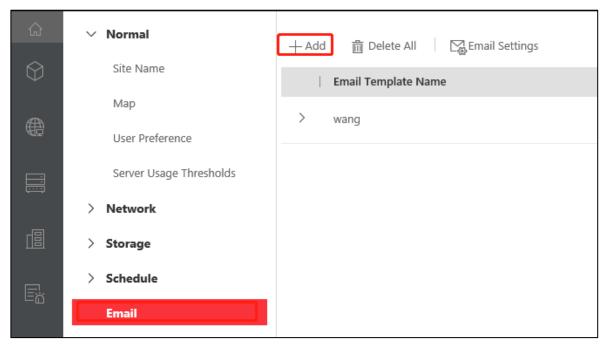


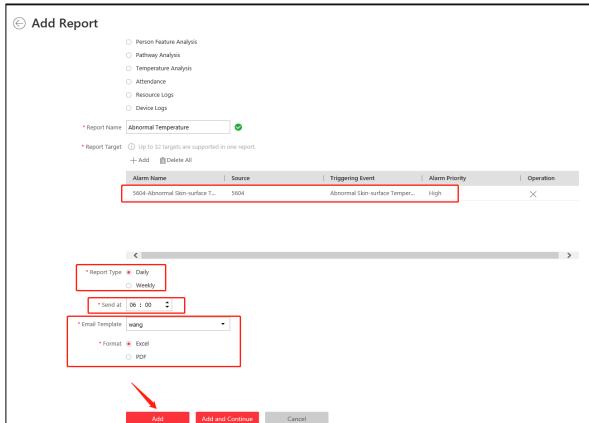




Select the Report Type. Set the send time. Select one Email Template. Select the format you need and click Add.

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





7. Configuration for Mobile Transportation

7.1 Device Configuration

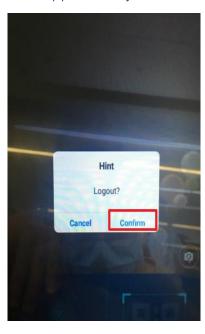
7.1.1 MDH005 Connect with Platform

1. Click 10 times above on the bottom left corner of the screen, and the following

figure will appear. Firstly, Click Confirm, then click

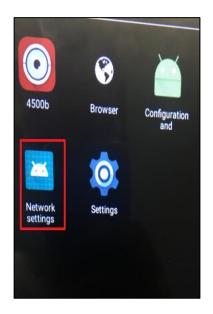


as follow pictures.





2. Click **Network setting**, Enable the **Ethernet**, then you can set the IP of Android system.





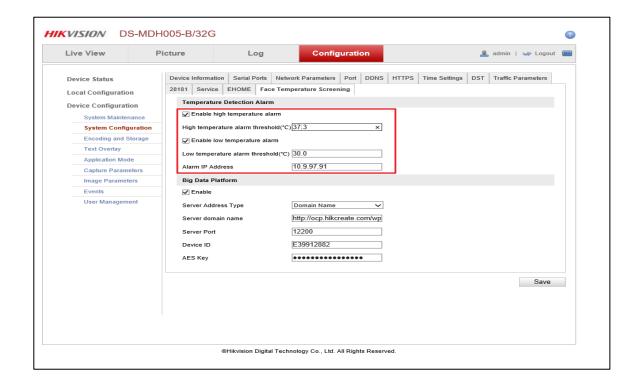
- 3. Linux system activated and network settings.
- 1) SADP to activate it and modify the IP address, and

Note: The IP can't be configured as the 192.168.1.X.

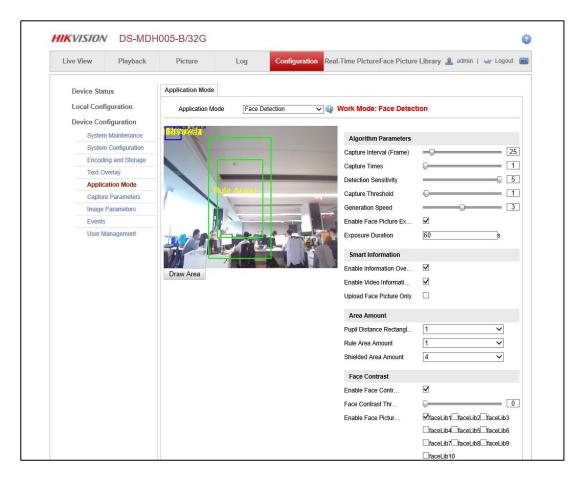


2) Login in the website of DS-MDH005, Click configuration/device configuration/system configuration/face temperature measurement to configure the Alarm IP which is the IP of the Android system.



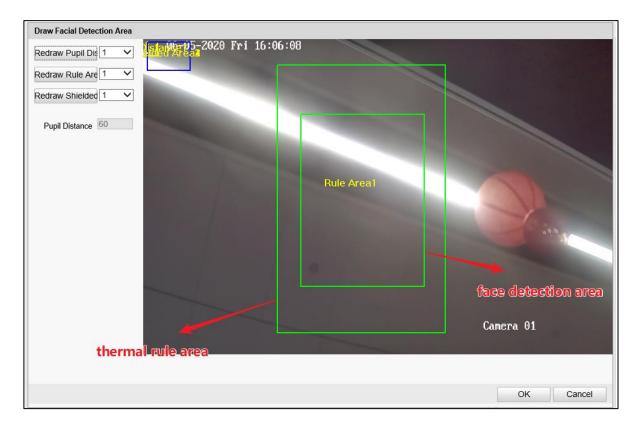


3) Go to **Configuration/device configuration/Application Mode**. Select trigger mode as face detection, the configuration of this page is usually default. The number of shield area can be choose in Area Mount.



- 4) Click Draw Area, you can draw the area as your willing.
- Pupil distance: This value must be set, otherwise face pictures cannot be captured normally. The default pupil distance is 60.
- Rule area: Draw rectangular or polygonal detection area, and this rule area should be smaller than the thermal rule area, and the thermal rule area is generated by the device, we can't change it. Generally, it is recommended that the detection area should be delineated in a picture one half of the area, up to two-thirds of the screen area.
- Shielding area: Draw a rectangular or polygonal shielding area, and the face
 detected in the shielding area will not be photographed, Up to 4 shielding areas
 are supported.



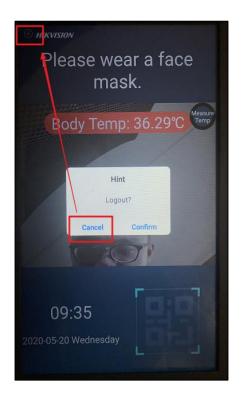


- 5) Add Linux camera to 4500B on the Android system.
- Login in 4500B

Click 10 times above on the bottom left corner of the screen, and the following figure will

appear. Click **Cancel**, the Click button on the top left of the screen.





• Add camera to 4500B which is APP on the Android module.

Click **Device**, click the follow pictures, then you can Add the Camera to 4500B. Then click **start Live View**.





4. Login to device web site, go to Configuration/Device Configuration/System Configuration/EHOME.

Enable: it should be selected.

Protocol Version: v5.0.

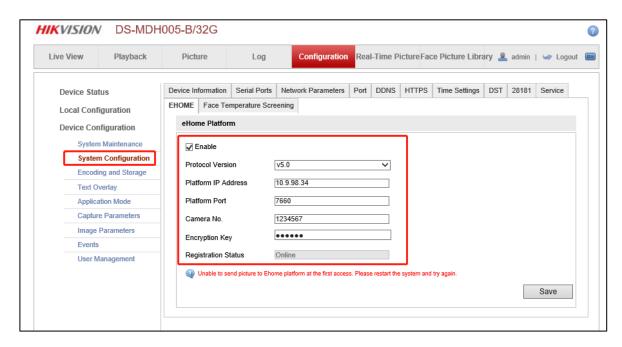


Platform IP Address: platform IP

Platform Port: 7660

Camera No.: input any value you want.

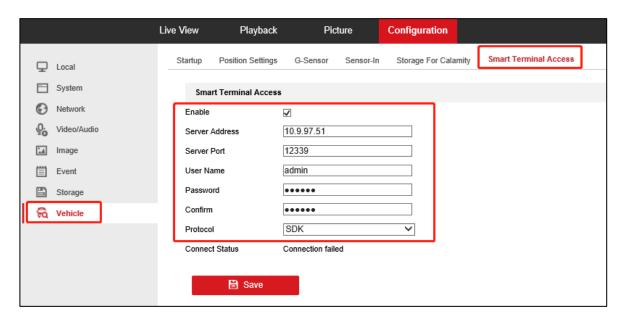
Encryption Key: input any value you want.



Note: After set the parameters, please restart the device.

7.1.2 MVR Connect with Platform

1. Login to MVR website, go to **Configuration/Vehicle/Smart Terminal Access**, add MDH005 in here.



Enable: Select it.

Server IP Address: The IP of Android System.

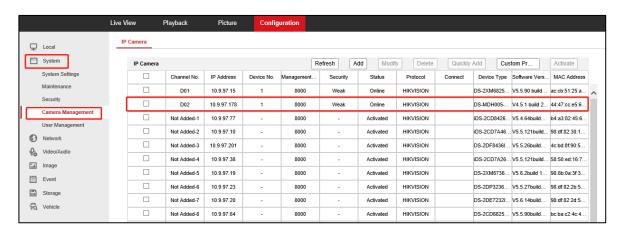
Server Port: 12339. Please don't change this port.

User Name and Password: No need input.

Protocol: SDK

Connect Status: This status will not update, ignore it.

2. Go to MVR website, **Configuration/System/Camera Management**, add the MDH005 in here, please note add the **IP of Linux System**.



3. Go to MVR website, Configuration/Network/Advanced Settings/Platform Access.



Enable: Select it.

Platform Access Mode: Ehome Platform

Platform Version: ISUP5.0

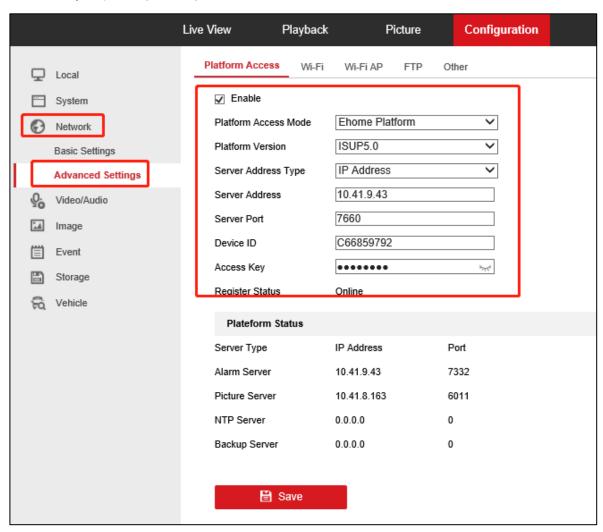
Server Address Type: IP Address

Server Address: Hikcentral platform IP

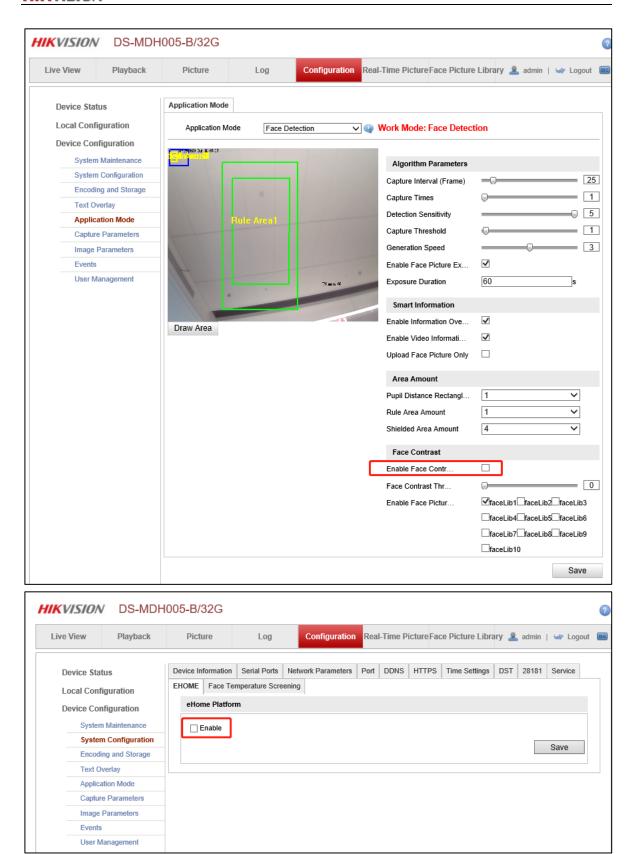
Server Port: 7660 is default.

Device ID: Input any value you want

Access Key: Input any value you want



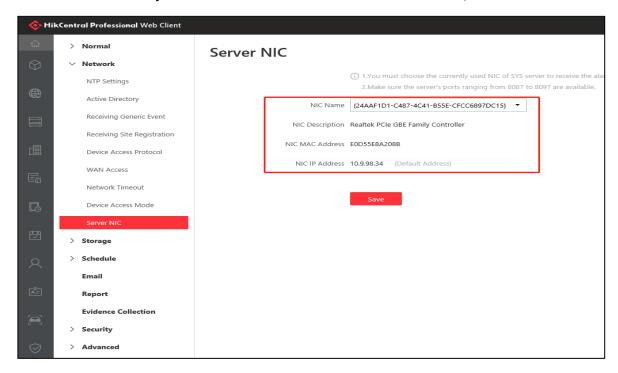
Note: When use MVR connect with platform, please disable the ehome and face comparison function of MDH005, otherwise, Hikcentral cannot receive the alarm.





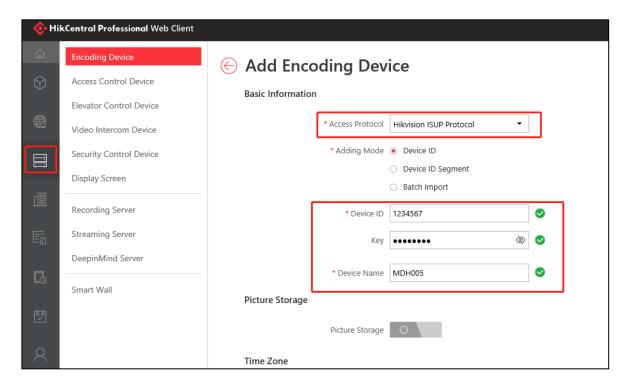
7.2 Add Device

1. Go to web client/System/Network/Server NIC. Select the NIC for platform used.

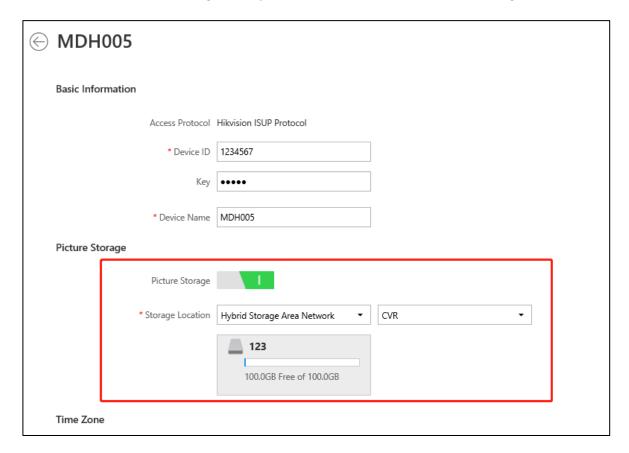


2. Go to web client/Physical View/Encoding Device. Click Add. Select Hikvision ISUP Protocol of Access Protocol. The Device ID is same with Camera No. of MDH005 device parameters or Device ID of MVR. The Key is same with Encryption Key of MDH005 device parameters or Access Key of MVR.





2.1 Enable the Picture Storage, and you can select CVR or others as storage location.



7.3 Event & Alarm Configuration

Please click here check it.

7.4 Function Operation

Note: For Mobile Transportation, all the function are in control client.

7.4.1 Real Time Temperature Measurement Results

Please click here check it.

7.4.2 Alarm of Abnormal Temperature/No Mask

Please click here check it.

7.4.3 Temperature Report

Please click here check it.

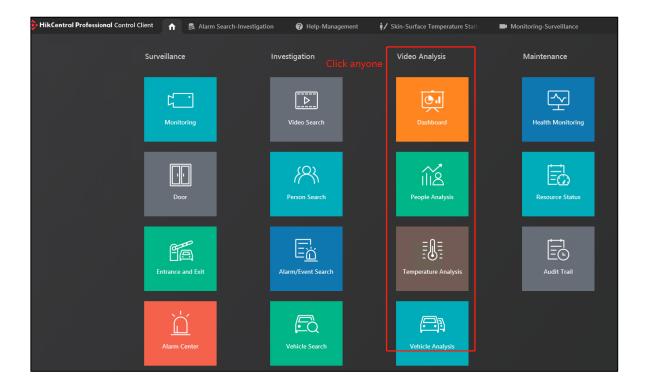
7.4.4 Historical Temperature Measurement Data

Please click here check it.

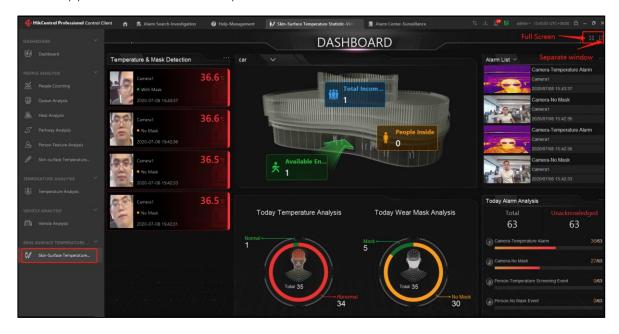
8. Dashboard Function

1) Go to Control Client, click any menu of Video Analysis. Click **Skin-Surface Temperature**Statistic.

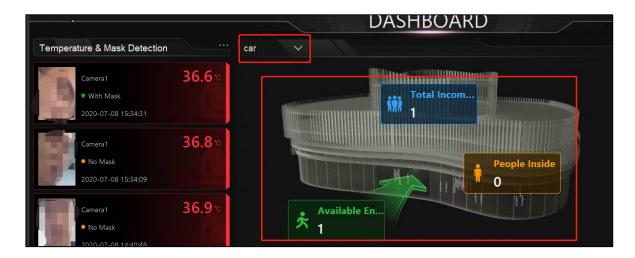




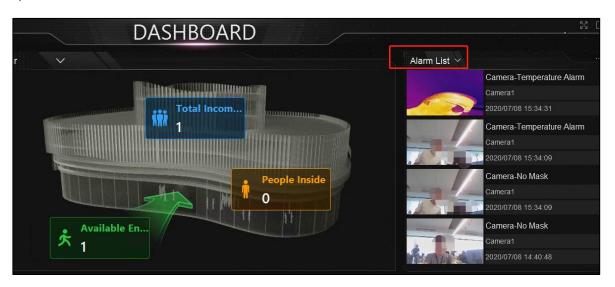
2) It supports full screen and separate window.



3) Select people counting group, it can show people counting data real time.



4) It can show the alarm real time



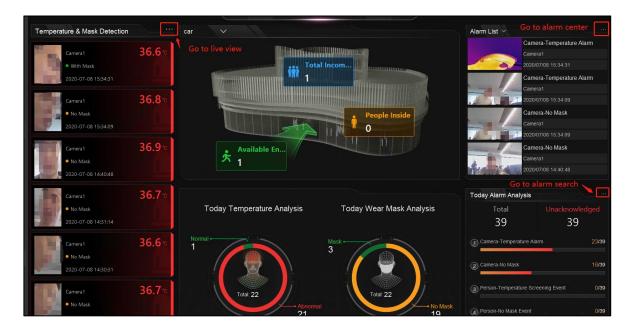
Supported 8 alarm types:

Camera: Abnormal Temperature/No Mask/Contact Distance;

Access Control: Abnormal Temperature/No Mask;

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

5) You can switch to live view, alarm center and alarm search module from this interface



Note:

- 1) If you want to full screen, please separate window first
- 2) It suggests the Resolution of PC is 1920*1080.
- 3) If you need connect big screen with control client, please select copy display.

9. 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.

9.1 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

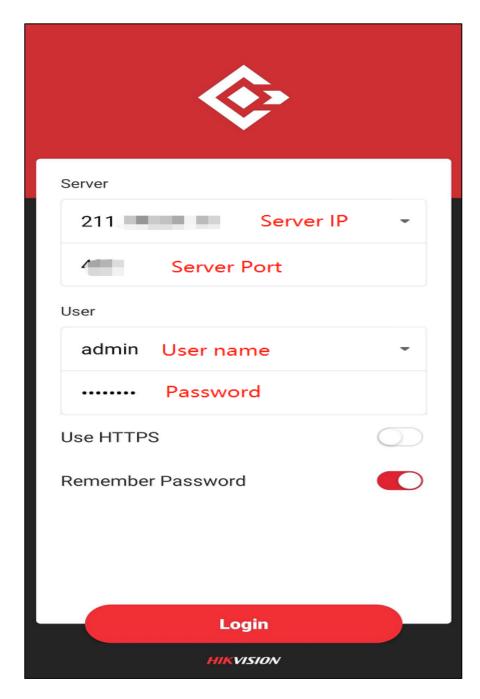
Event & Alarm Configuration for Abnormal Temperature, No Mask of NVR

Event & Alarm Configuration for Flow Control

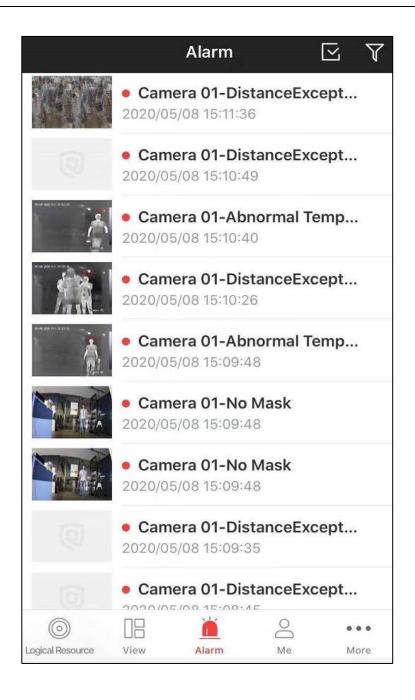
9.2 Function Operation

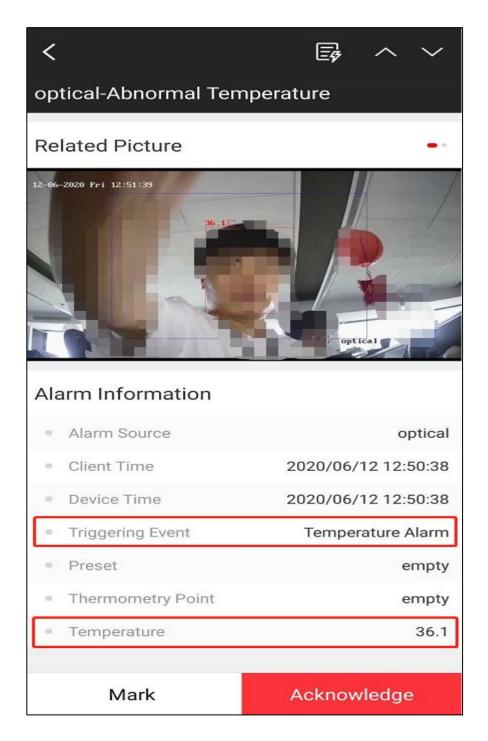
9.2.1Alarm

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

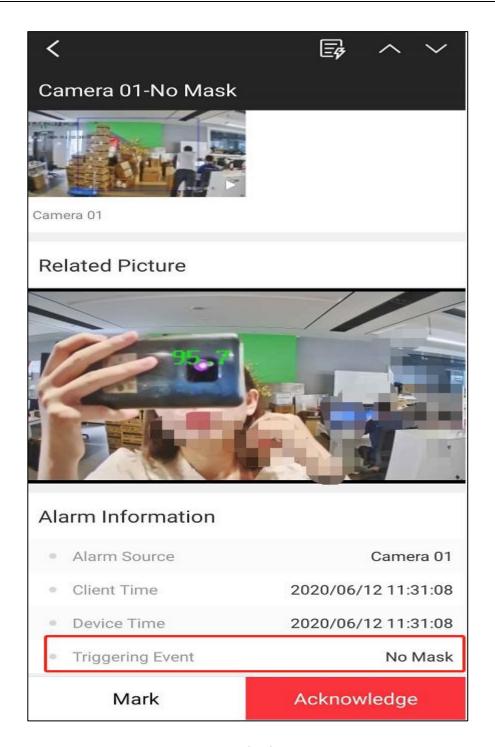


2. Go to Alarm. You can check all the alarm records here.

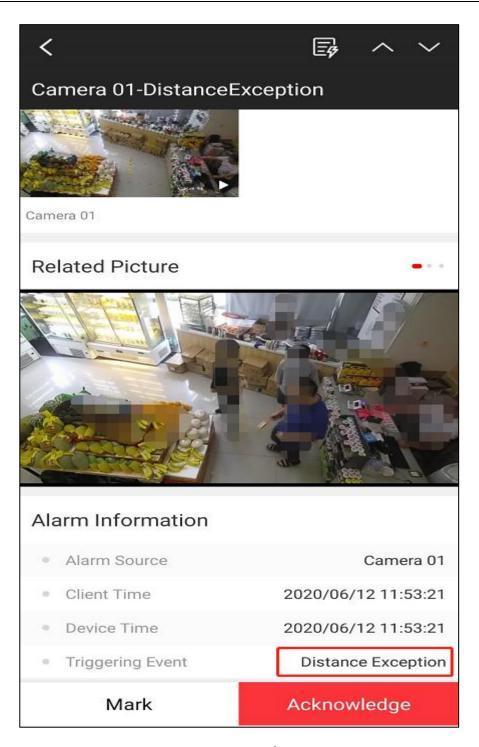




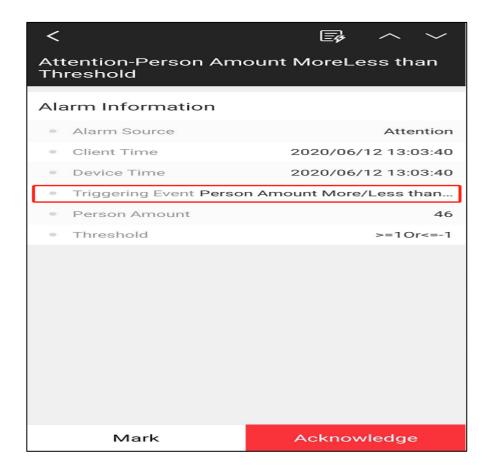
Abnormal Temperature Alarm



No Mask Alarm



Contact Distance of Camera



Flow Control alarm

9.2.2 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.

