






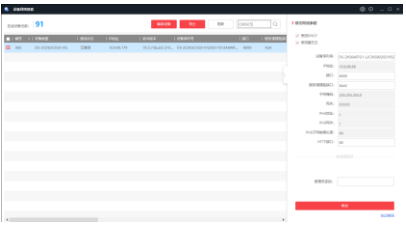


G7 Fisheye Camera Installation Guidance

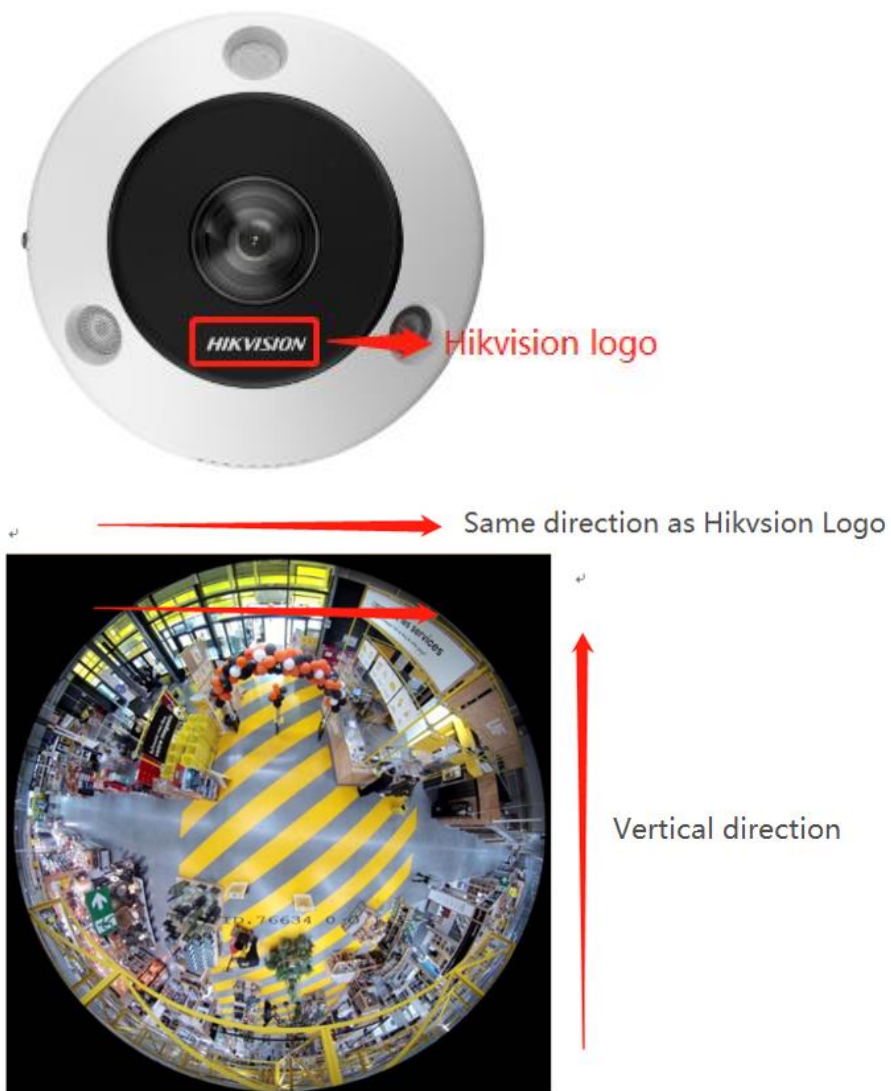
1. Tools Preparation

Basic wires	Network cables (2 pieces at least for connecting camera and desktop)	
Basic tools	Desktop	
	Rangefinder or tape: used to measure installation height	 

	<p>Electric drill: used for drilling and installation on the wall</p>	
	<p>Lifting frame: test the image effect at the corresponding height</p>	
	<p>Combined ladder: for climbing installation</p>	
<p>Basic software</p>	<p>SADP Software (For checking camera IP and activating camera) Download Link https://www.hikvision.com/en/support/tools/hitools/</p>	

2. Installation requirements

Confirm whether the Hikvision identification direction on the camera surface is completely parallel to the horizontal direction designed on the layout after the fisheye camera image is expanded. Refer to the following figure for camera installation direction:



Camera model	Installation Height (The height between camera and ground)	Heat data coverage length (Same direction as Hikvision logo when mounted)	Heat data coverage width (Vertical direction of Hikvision logo)
6365	2.5m	9.9m	9.9m
	3m	9.9m	9.9m

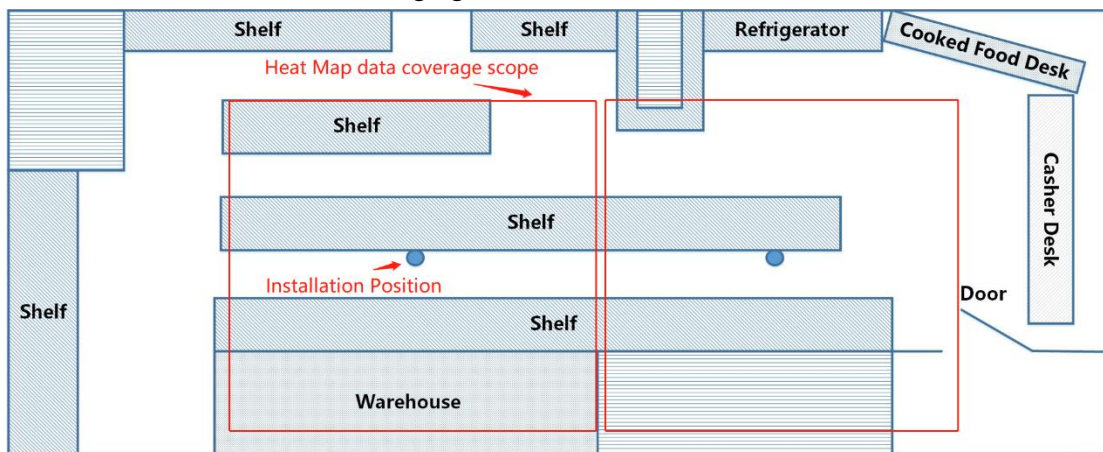
	3.5m	9.9m	9.9m
	3.7m	9.9m	9.9m
	4m	8.49m	8.49m
63C5	2.5m	14.3m	11m
	3m	14.3m	13.28m
	3.5m	14.3m	14.3m
	3.7m	14.3m	14.3m
	4m	14.3m	14.3m
	4.5m	14.3m	14.3m

3. Device Installation

3.1 Installation site

1. According to the 2D plane figure of the store, the relationship between the camera installation height and the heat data coverage, the installation point of the fisheye camera is planned, and the heat data coverage is confirmed.

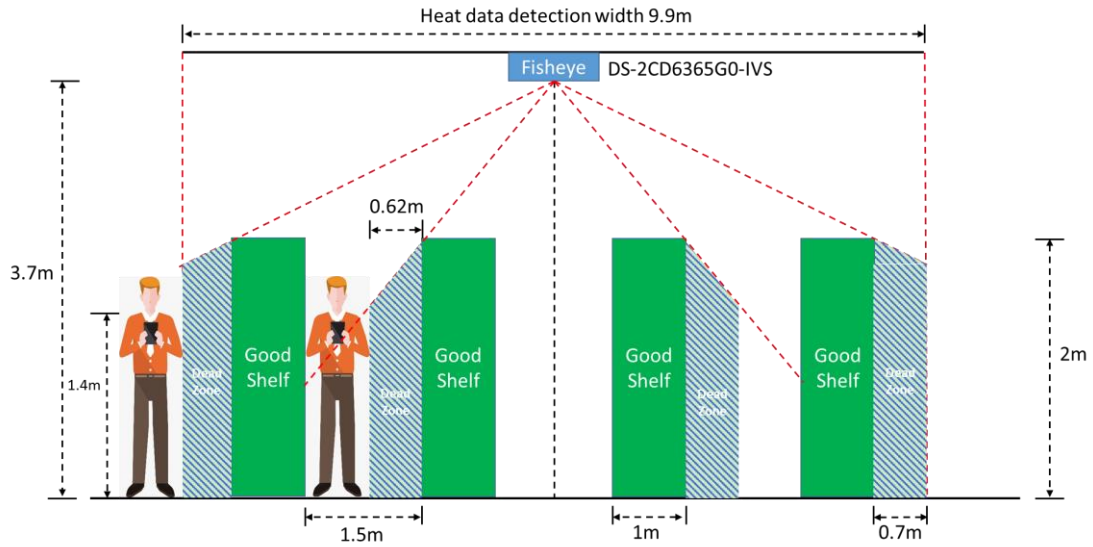
The 2D plane figure of the calibrated installation position and heat data coverage of the fisheye camera is shown in the following figure.



2. Dead Zone Calculation

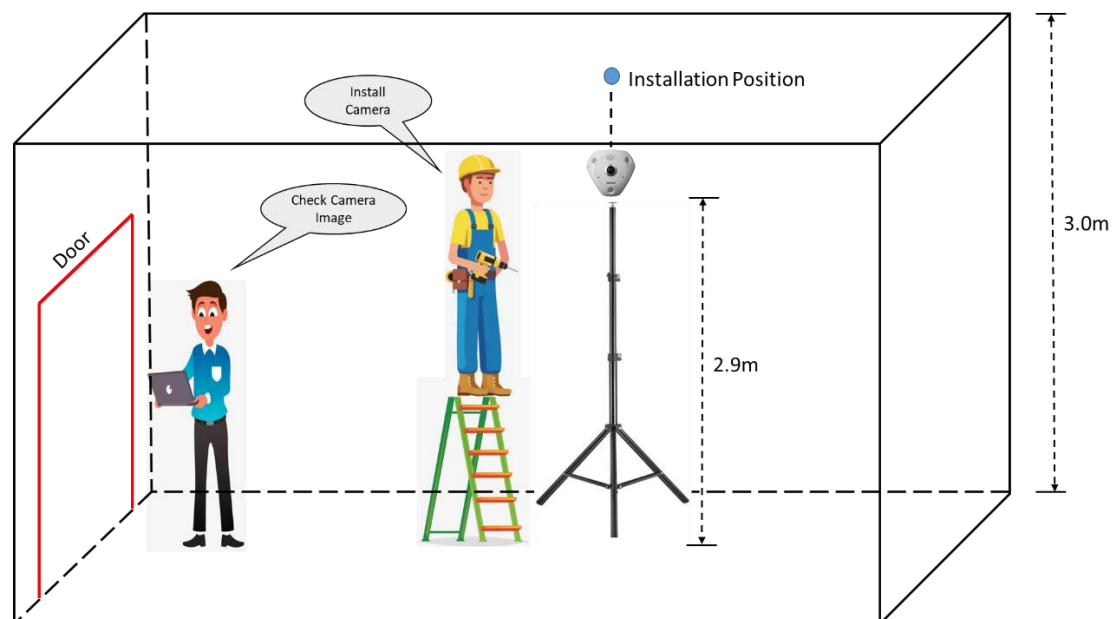
Assuming that the shelf placement direction is parallel to the Hikvision sign direction on the camera surface, the shelf height, the installation height of the fisheye camera, the detection range of heat data and the calculation method between the dead zones of heat data are shown in the following figure. Assuming that the shelf width is 1m, the shelf height is 2m, the space between shelves is 1.5m, the height of the customer shoulder from the ground is 1.4m, and the installation height of the fisheye camera is 3.7m, the width of the dead zone behind the shelves on each side in this scenario can be calculated.

The total width of the dead zone in this scene is: $(0.7 + 0.62) * 2 = 2.64M$

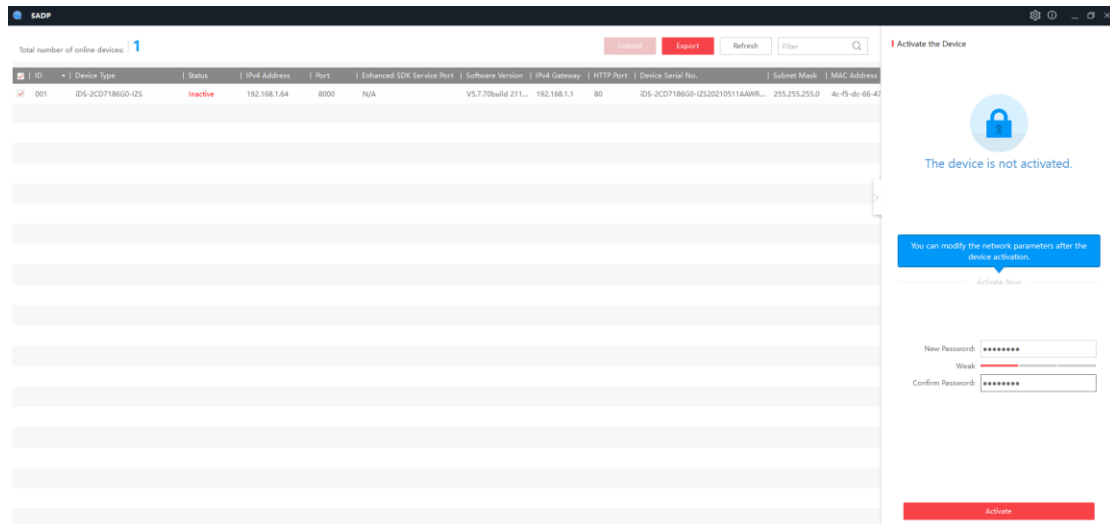


3.2 Installation Steps

1. Confirm the actual installation position of the store according to the installation position determined on the 2D plane figure of the store.
2. Power up and connect the camera to the Internet, fix the camera on the lifting frame and place it at the predetermined installation position.



3. Connect the computer and camera to the same switch, open the SADP software, search for the camera and activate it.



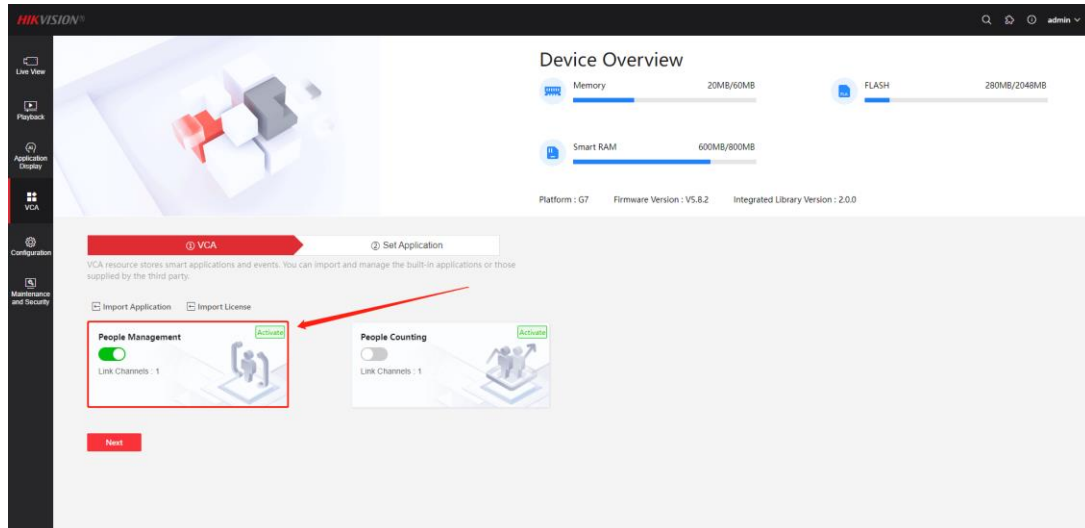
4. Internet Explorer accesses the IP of the camera and checks the image of the camera.
5. **According to the camera image, confirm whether the Hikvision identification direction on the camera surface is completely parallel to the horizontal direction designed on the layout after the fisheye image is expanded.**



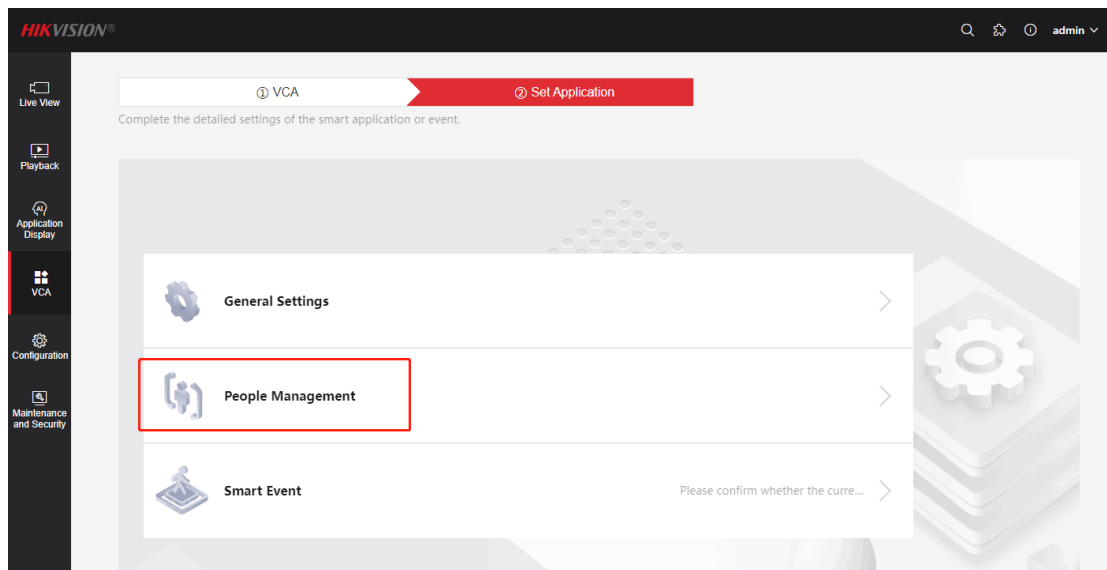
6. Drill holes to install the camera at the specified position.

3.3 Heat Map Rules Configuration

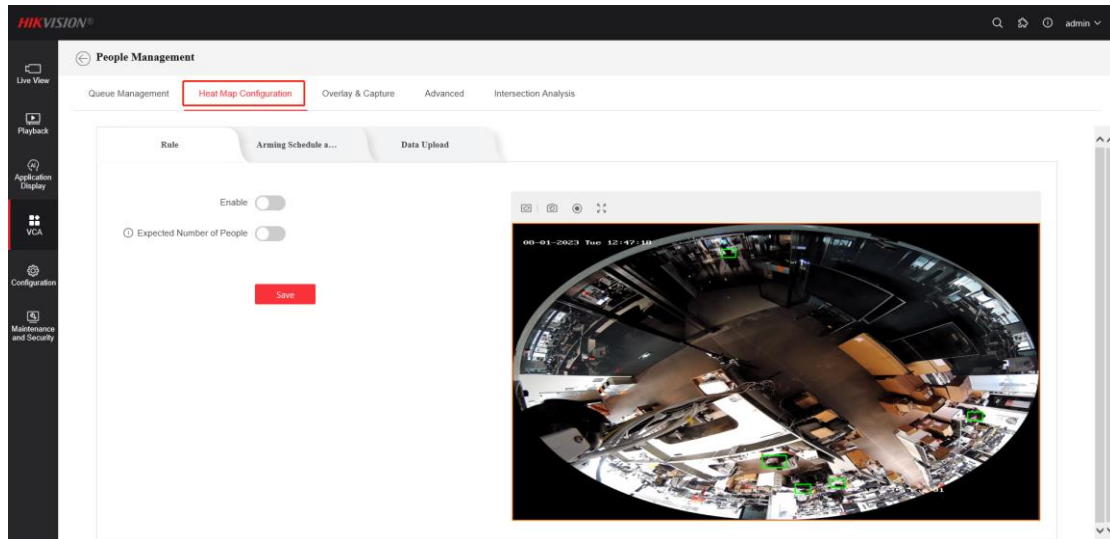
1. Enter the camera webpage and enable the People management function on the *VCA* page, then click *Next*.



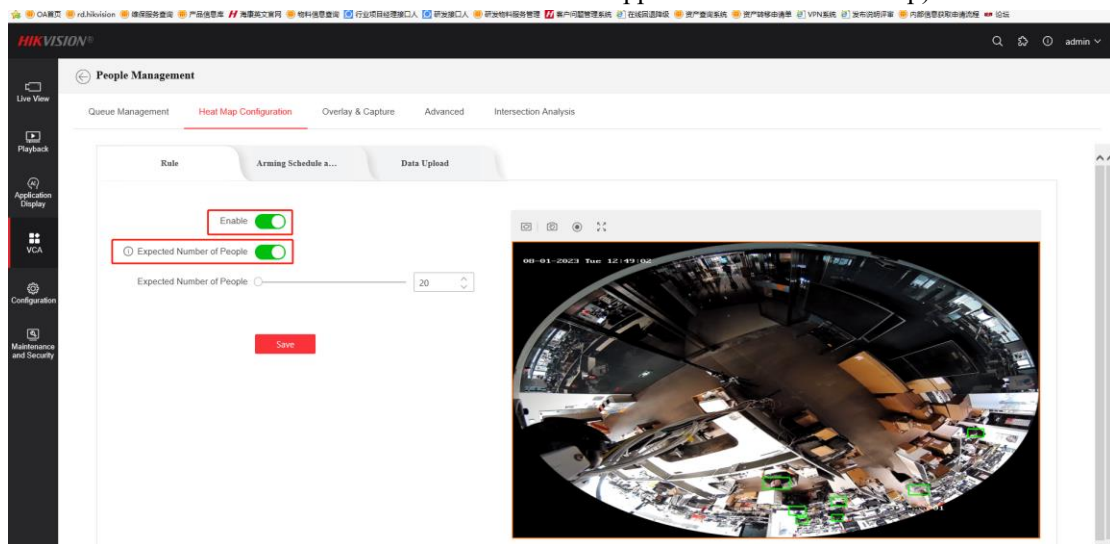
2. Click on *People management* to enter the People management page



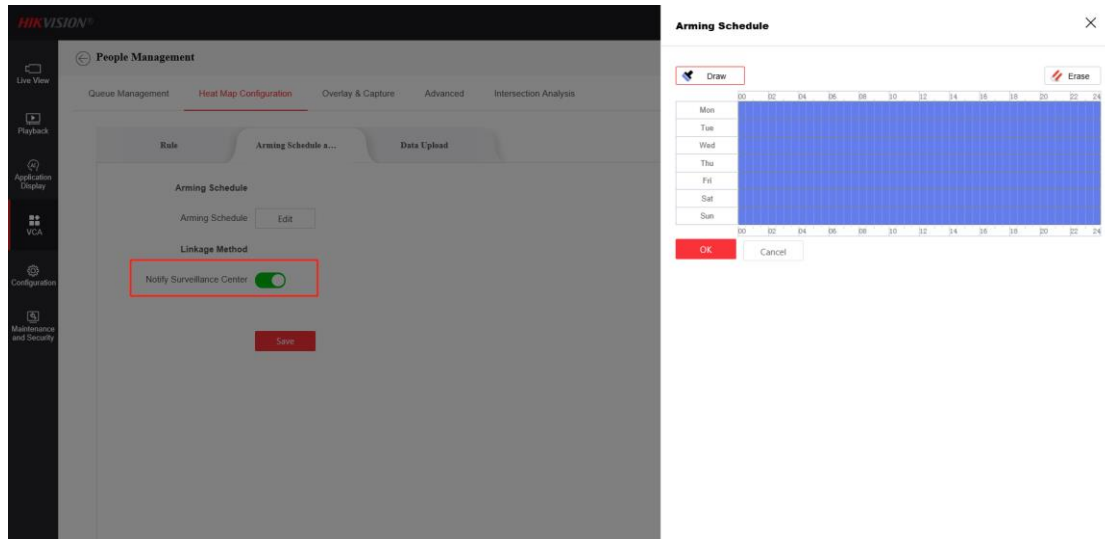
3. Click on *Heat Map* to enter the Heat Map page



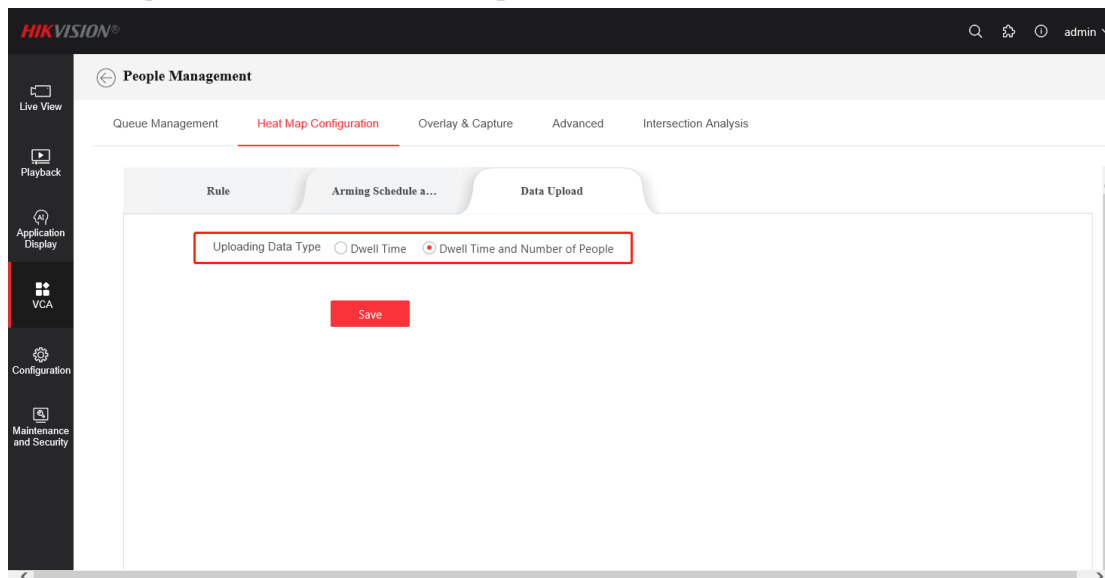
4. **Enable** the Heat Map function, and you can also enable *Expect Number of People* (Enable this function will compare the actual number of people with the expected number of people. The maximum value of the two will be set as the upper limit in the Heat Map).



5. In the *Alarm Schedule and Link Method*, configure the Alarm Schedule as needed and ensure that the *Notify Surveillance Center* is enabled

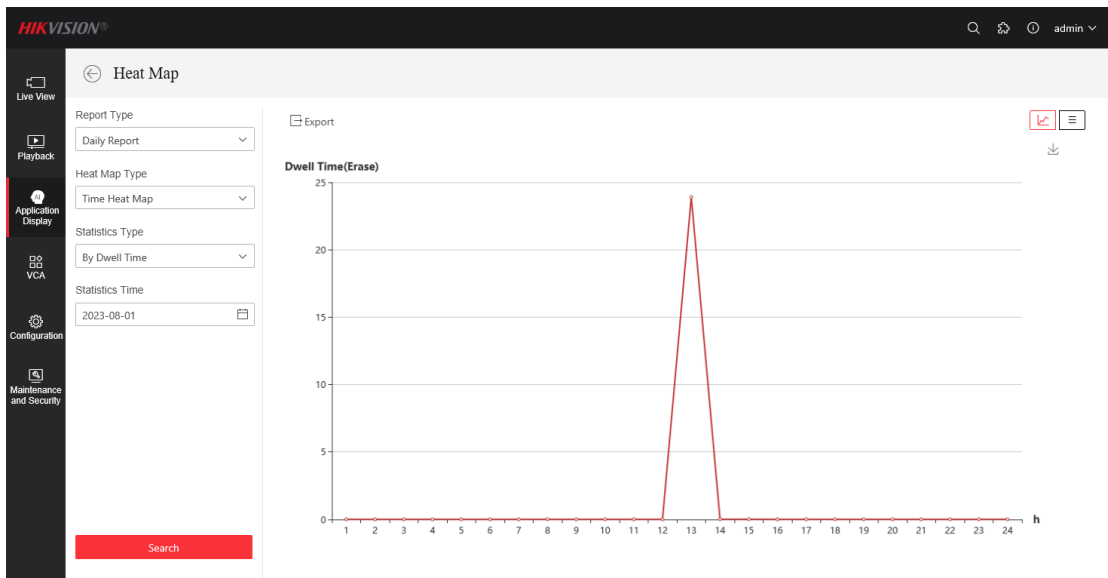
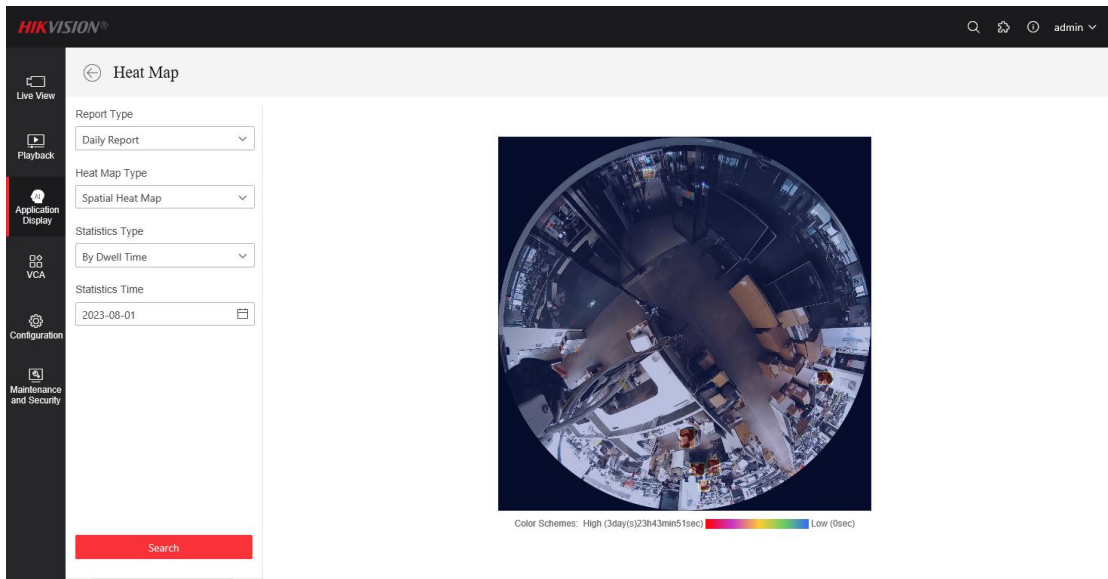


6. Select upload rules as needed in *Data upload*

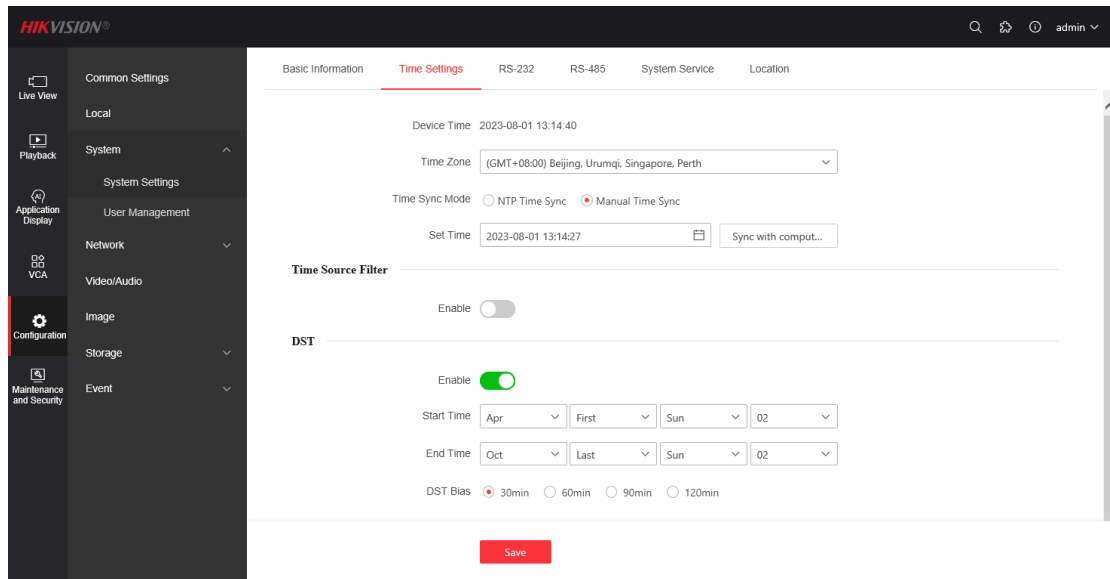


7. The camera must be equipped with an SD card to record Heat Map data, and will upload heat map data to the platform at every hour on the hour.

You can see the data of the Heat Map in *Application Display -> Heat Map*



8. Enter configuration > System > System Settings, and enter Time Settings to check whether the time zone configuration is correct, and check if DST configuration is correct.



- Record the camera's IP, user name, password, screenshot of live view and screenshot of rule configuration interface before leaving the site.

3.4 Installation Checking Items

NO.	Issue Type	Detailed Description	
1	Installation Position	Height and Installation Point	
2	Network	Able to check the normal image and live view of camera when login web page of the camera, and record camera IP and password	Record the camera's accessible IP, user name, password
3	Image	Confirm whether the Hikvision identification direction on the camera surface is completely parallel to the horizontal direction designed on the layout after the fisheye image is expanded	

4

Rules Configuration

Enable heat map rule
Enable Notify Surveillance Center

