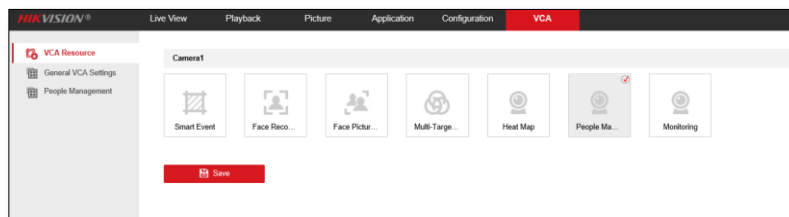


Network Camera Firmware Version: V5.8.0 Release Note

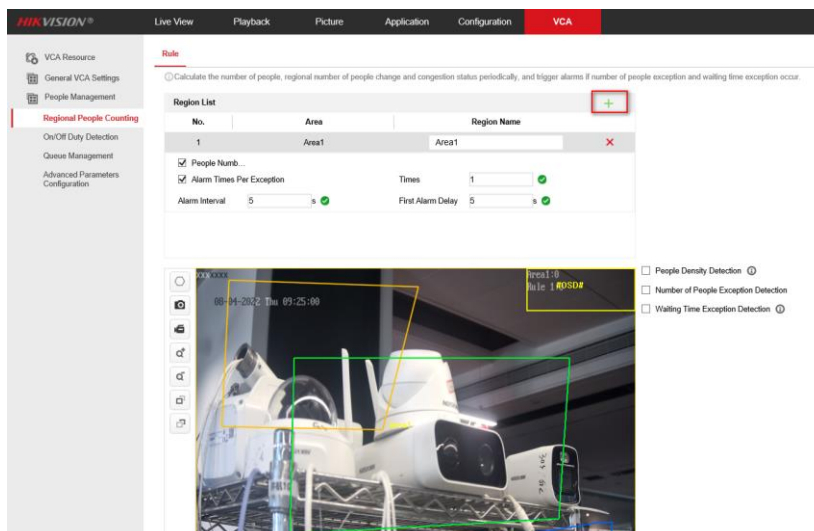
Firmware Basic Information	Firmware Version: V5.8.0 build220719
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1. New Features

- Upgrade face comparison algorithm version: Support DFR6.0.
- Support enable RTCP on web page.
- Support overseas CC certification, web 4.0 interface design.
- Support custom audio uploading.
- Newly add monitoring mode. Support high frame rate, rotate and lens distortion correction in monitoring mode (Only for 2MP and 4MP model).
- Newly add People management mode. Support regional people counting, on/off duty detection and queue management function in people management mode.





- **Regional People Counting:** Regional people counting is to count the people number, changes, and congestion in a certain period. An alarm will be triggered based on people number exception and dwelling time exception.



Steps:

1. Go to People Management -> Regional People Counting.
2. Set a rule.

1) Add a rule: click  to add a rule and set its name.

2) Draw a region: click . Draw an area by left click end-points in the live view window, and right click to finish the area drawing.

Note: Try not to overlap the regions.

3) Set rules.

- **People Number OSD:** It displays the real-time people number in the live view window. You can drag the mouse to adjust the OSD window location.
- **Alarm Times Per Exception:** It refers to the alarm times after an alarm is triggered. If you do not check it and set the times, the device will keep sending alarms.
- **Alarm Interval:** Within the set interval, the same alarm will not be uploaded.
- **First Alarm Delay:** When the first alarm is triggered, the alarm will be uploaded after a set time period.
- **People Density Detection:** It can detect the people density within the rule region.
 - Density Level: Set the people number respectively for three density level. You can customize a name for each level. Click Save after the settings.
 - Scheduled Uploading: It uploads people density information within the statistics cycle.
 - Upload Number of People Change: The device upload the people change information if there is any change in the set rule region.
 - Upload Congestion Level: The device upload the congestion information when there is any change in the set rule region.

People Density Detection 

Scheduled Uploading

Statistics Cycle

Number of People Change Upload

Congestion Level Upload

Density Level		
Level	Number of People(1-128)	Custom Name
1		
2		
3		

- **Number of People Exception Detection:** It detects the people number in the set rule region and an alarm is triggered when the situation meets the alarm-triggering condition.

Number of People Exception Detection

Ignore Situation of No People ⓘ

Alarm Trigger Condition ▼

Alarm Threshold A

person(s)

Alarm Threshold B

person(s)

- **Waiting Time Exception Detection:** It detects the waiting time of the set rule region and an alarm is triggered when the waiting time meets the alarm-triggering condition.

Waiting Time Exception Detection ⓘ

Alarm Trigger Condition ▼

Alarm Threshold A s

Alarm Threshold B s

3. Repeat the above steps to add more rules.

Note: Up to 8 Areas can be added for regional people counting, on/off duty detection and queue management.

➤ On/Off Duty Detection

The screenshot displays the Hikvision VCA configuration interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', 'Application', 'Configuration', and 'VCA'. The left sidebar shows a tree view with 'VCA Resource' expanded, containing 'General VCA Settings', 'People Management', 'Regional People Counting', 'On/Off Duty Detection' (highlighted in red), 'Queue Management', and 'Advanced Parameters Configuration'. The main content area is titled 'Rule' and contains a 'Rule List' table and a configuration panel for 'Rule 1'.

Enable	No.	Rule Name	Rule Type
<input checked="" type="checkbox"/>	1	Rule 1	Absence Detection

Configuration for Rule 1:


- Person On Duty:
- Mode:
- Absence Duration: s
- People Number OSD


Below the configuration panel is a live video feed of a server rack. A green bounding box is drawn around a server unit, and a yellow box in the top right corner of the video feed contains the text '#OSD#'. A vertical toolbar on the left side of the video feed includes icons for zoom, pan, and other controls.

Steps:

1. Go to People Management -> On/Off Detection.

2. Set a rule.

1. Add a rule: click  to add a rule and set its name and type.

2. Draw a region: click . Draw an area by left click end-points in the live view window, and right click to finish the area drawing.

Note: Try not to overlap the regions.


3. Set a rule. For Absence Detection, you can set People On Duty, Mode and Absence Duration. If the people number in the set rule region is less than the value of people on duty and the lasting time is longer than the absence duration, an alarm is triggered.



3. Repeat the above steps to add more rules.

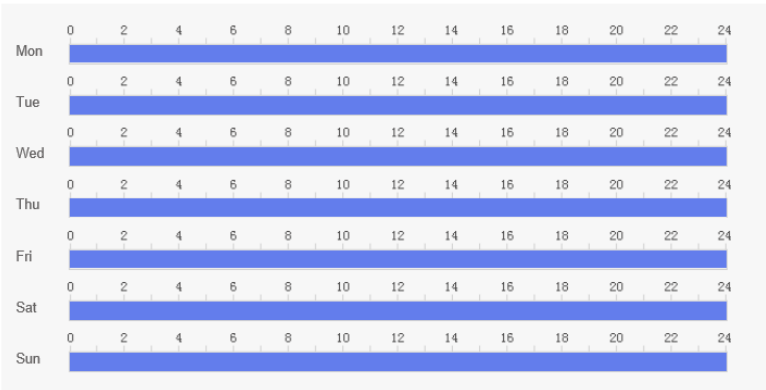
Note: Up to 8 Areas can be added for regional people counting, on/off duty detection and queue management.

4. Click Arming Schedule tab. Click and drag the slider to adjust the schedule, and click Save to save the settings.

Rule **Arming Schedule** Alarm Linkage

Rule List		
No.	Rule Name	Rule Type
1	Rule 1	Absence Detection
2	Rule 2	Absence Detection 

 Delete  Delete All



5. Click Alarm Linkage tab, check the checkbox of corresponding linkage method for each rule, and click Save to save the settings.

Rule Arming Schedule **Alarm Linkage**

Rule List		
No.	Rule Name	Rule Type
1	Rule 1	Absence Detection
2	Rule 2	Absence Detection

<input checked="" type="checkbox"/> Normal Linkage	<input checked="" type="checkbox"/> Trigger Alarm Output	<input checked="" type="checkbox"/> Trigger Recording
<input checked="" type="checkbox"/> Notify Surveillance Center	<input checked="" type="checkbox"/> A->1	<input checked="" type="checkbox"/> A1
<input checked="" type="checkbox"/> Upload to FTP/Memory Card/...		

➤ Queue Management

Steps:

1. Go to People Management -> Queue Management. Enable Regional People Queuing-Up or Waiting Time Detection according to your need. You can view and export data in Application.

Note: Enable Real-Time Data Upload and the queue management data will be uploaded in real-time.

2. Set a region.
 - 1) Click Add Region and draw a region in the live view window.
 - 2) Set the region name.
 - 3) Set the alarm interval.
3. Set rules.

Regional People Queuing-Up Settings: Enable Regional People Queuing-Up before settings.

- 1) People Number OSD: It displays people number in the live view window.

- 2) Ignore Situation of No People: The device will not trigger an alarm when there is no people in the scene. This function can filter the potential alarm condition under which the value is less than the set alarm threshold and no people is in the scene.
- 3) Set Alarm Triggering Condition and Alarm Threshold. When the people number in the set region reaches alarm threshold and triggering condition, a alarm will be triggered.

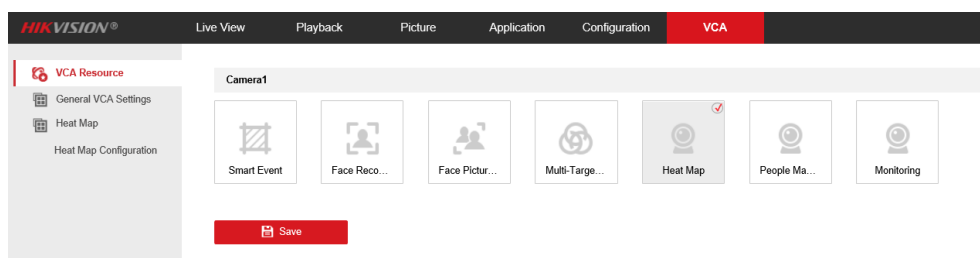
Waiting Time Detection: Set Alarm Trigger Condition. When the waiting time of the people in the set region meet the alarm triggering condition and is longer than the threshold, an alarm will be triggered.

4. Repeat the above steps to add more rules.

Notes: When drawing a region, you can select a color for the region. In this way, you can differentiate regions by color. Try not to overlap regions.

5. Click Arming Schedule tab. Click and drag the slider to adjust the schedule, and click Save to save the settings.
6. Click Alarm Linkage tab, check the checkbox of corresponding linkage method for each rule, and click Save to save the settings.

- Newly add Heat map mode.



2. Improved Features

- Optimize Angle OSD display changes frequently issue.
- Fixed the issue that device Day/Night switch will trigger vibration detection.
- Optimize ePTZ function.

Customer Impact and Recommended Action

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action. For any questions and request for this firmware, please contact our local technical support team.

Remarks:

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.
- Hikvision is not liable for any typing or printing errors.

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Supported Product List	
Product Category	Model Number
7 Series DeepinView Camera	iDS-2CD7026G0(/S)(-AP)/(F11)(C)
7 Series DeepinView Camera	iDS-2CD7046G0/E-IHSY(R)/(F11) (C)
7 Series DeepinView Camera	iDS-2CD7086G0(/S)(-AP)/(F11)(C)
7 Series DeepinView Camera	iDS-2CD7126G0(/S)-IZS (C)
7 Series DeepinView Camera	iDS-2CD7146G0(/S)-IZS (C)
7 Series DeepinView Camera	iDS-2CD7186G0(/S)-IZS (C)
7 Series DeepinView Camera	iDS-2CD7526G0(/S)-IZHS(Y)(R)(C)
7 Series DeepinView Camera	iDS-2CD7546G0(/S)-IZHS(Y)(R)(C)
7 Series DeepinView Camera	iDS-2CD7586G0(/S)-IZHS(Y)(R)(C)
7 Series DeepinView Camera	iDS-2CD7A26G0(/S)-IZHS(Y)(R)(C)
7 Series DeepinView Camera	iDS-2CD7A46G0(/S)-IZHS(Y)(R)(C)
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First Choice for Security Professionals

7 Series DeepinView Camera	iDS-2CD7186G0-IZHS(Y)(D)
7 Series DeepinView Camera	iDS-2CD7A47G0-XZHS(Y)
7 Series DeepinView Camera	iDS-2CD7A87G0-XZHS(Y)

Note: Models in red font are newly released models.