Online Help   V4.60.000

Event

Motion Detection

Motion detection detects the moving objects in the configured surveillance area, and triggers certain action as a response to detection. To detect the moving objects accurately and reduce the false alarm rate, normal configuration and expert configuration are selectable for different motion detection environment.

- **Normal Configuration**

Normal configuration adopts one set of parameters for motion detection during the day and at night.

Task 1: Set **Motion Detection Area**.

Steps:

1. Go to **Configuration > Event > Basic Event > Motion**.
2. Check **Enable Motion Detection**.
3. Optional: Check **Enable Dynamic Analysis for Motion**, and then the detected motion objects will be marked with green rectangles on the live video.

   Note: To mark the motion objects on the live video, go to Configuration > Local > Live View Parameters and enable **Rules**.

4. Click **Draw Area**. Click and drag the mouse on the live video to draw a motion detection area.
5. Click **Stop Drawing**.
6. Optional: Click **Clear All** to clear all of the areas.
7. Optional: Check **Human or Vehicle**. It can analyze videos that contain human and vehicle. Only the target of selected type will trigger the alarm, which can reduce false alarms that are caused by other objects.
8. Optional: Move the slider to set the sensitivity of the detection.

Task 2: Set **Arming Schedule** for Motion Detection.

Steps:

1. Click **Edit**.
2. Choose the day you want to set the arming schedule.
3. Click **Edit** to set the time period.
4. Optional: After setting the arming schedule, you can copy the schedule to other days.
5. Click **OK**.

   Note: The time of each period can't be overlapped. Up to 8 periods can be configured for each day.

Task 3: Set Linkage Method.

Normal linkage including **Audible Warning**, **Notify Surveillance Center**, **Send Email**, **Full Screen Monitoring**, as well as **Trigger Alarm Output**, and **Trigger Recording** can be configured. You can specify the linkage method when an event occurs.

Audible Warning: Trigger local audible warning and it is only supported by the devices with audio output.

Notify Surveillance Center: Send an exception or alarm signal to remote management software when an event occurs.

Send Email: Send an email with alarm information to a user or users when an event occurs.

Full Screen Monitoring: Switch to the full screen mode when an event occurs.

Trigger Recording: D1, D2, and D3 are selectable.

Trigger Alarm Output: Trigger one or more external alarm outputs when an event occurs.

Video Tampering

Purpose:

If the image of the camera is covered, the device will trigger the alarm and take response actions.

Steps:

1. Go to **Configuration > Event > Basic Event> Video Tampering**.
2. Check **Enable Video Tampering**.
3. Set the video tampering area: refer to Task 1 Set **Motion Detection Area**.
4. Click **Edit**. The arming schedule configuration is the same as that of the motion detection.
5. Check **Normal Linkage** or **Trigger Alarm Output**, and complete linkage method configuration by enabling the following functions or channels.
6. Click **Save**.

Video Loss

Steps:

1. Go to **Configuration > Event > Basic Event > Video Loss**.
2. Check **Enable Video Loss Detection**.
3. Click ⬚ to edit the **Arming Schedule** for video loss detection. The arming schedule configuration is the same as that of the motion detection. Refer to Step 2 Set the **Arming Schedule** for Motion Detection.
4. Click **Linkage Method** and configure **Normal Linkage** and **Trigger Alarm Output**.
5. Click ⬚ to save the settings.

Alarm Input

Purpose:

It detects the alarm input and will take response actions when the alarm is triggered.

Steps:

1. Go to **Configuration > Event > Basic Event > Alarm Input**.
2. Choose the **Alarm Input No.** and **Alarm Type** and edit the **Alarm Name** (optional). The alarm type can be NO (Normally Open) or NC (Normally Closed).
3. Check **Enable Alarm Input Schedule** and configure **Arming Schedule**, **Linkage Method** and **Combined Alarm**.
4. You can also choose the PTZ linking for the alarm input if the added camera is installed with a pan/tilt unit. Check the relative checkbox and select the No. to enable **Preset Calling**, **Patrol Calling**, or **Pattern Calling**.
5. You can copy your settings to other alarm inputs.
6. Click **Save**.

Alarm Output

Steps:

1. Go to **Configuration > Event > Basic Event > Alarm Output**.
2. Select one alarm output channel in the **Alarm Output No.** list. You can also set a name for the alarm output (optional).
3. The delay time can be set to 5 sec, 10 sec, 30 sec, 1 min, 2 mins, 5 mins, 10 mins or **Manual**. It refers to the time duration that the alarm output remains in effect after the alarm occurs.
4. Click **Edit** to configure the **Schedule**. The time schedule configuration is the same as the settings of the arming schedule for motion detection.
5. You can copy the settings to other alarm outputs.
6. Click **Save**.

Exception

Purpose:

It detects the exception type of the device, including HDD full, HDD error, network disconnected, IP address conflicted, illegal login, record/capture exception, hot spare exception, etc.

Steps:

1. Go to **Configuration > Event > Basic Event > Exception**.
2. Check **Normal Linkage** or **Trigger Alarm Output**, and complete exception configuration by enabling the following functions or channels.
3. Click **Save**.

Smart Event Settings

Purpose:

Different event types are supported, including **Audio Exception Detection**, **Defocus Detection**, **Scene Change Detection**, **Face Detection**, **Line Crossing Detection**, **Intrusion Detection**, etc.

Note: Smart event detection function varies according to different cameras. Check the specification for whether the camera supports this function.

Shield Region

Shield region is an area which is protected from being detected or analyzed, regardless of any perimeter protection event rules. Perimeter protection events include line crossing detection, intrusion detection, region entrance detection, and region exiting detection.

Note: Up to 4 shield regions are allowed.

Audio Exception Detection

Purpose:

This function detects those abnormal sounds such as the sudden increase/decrease of the sound intensity. Some certain actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration** > **Event** > **Smart Event** > **Audio Exception Detection**.
2. Click **Exception Detection** and check **Audio Loss Detection**.
3. Check **Sudden Increase of Sound Intensity Detection** to detect the sound steep rise. You can set the detection sensitivity and threshold for the rise.
4. Check **Sudden Decrease of Sound Intensity Detection** to detect the sound steep drop. You can set the detection sensitivity and threshold for the drop.

   Note:
   - **Sensitivity: Range [1-100]. The smaller the value is, the more severe the change will be.**
   - **Sound Intensity Threshold: Range [1-100]. It can filter the sound in the environment. The louder the environment sound is, the higher the value will be. You can adjust it according to the real environment.**

5. You can view the real-time volume of the sound.
6. Click **Arming Schedule** and configure the settings accordingly.
7. Click **Linkage Method** and check **Normal Linkage**, **Trigger Alarm Output**, **Trigger Recording**, and **PTZ Linking**. You can also complete corresponding configuration by enabling the following functions or channels.
8. Click **Save**.

Defocus Detection

Purpose:

Image blur caused by defocus of the lens can be detected. Some certain actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration** > **Advanced Configuration** > **Smart Event** > **Defocus Detection**.
2. Check **Enable Defocus Detection**.
3. Click and drag the slider to set the detection sensitivity. The sensitivity value ranges from 1 to 100. The higher the value is, the more easily the defocus image will trigger the alarm.
4. Select the linkage methods for defocus.
5. Click **Save**.

Scene Change Detection

Purpose:

Scene change detection function detects the change of monitoring environment affected by the external factors, such as the intentional rotation of the camera. Some certain actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration** > **Event** > **Smart Event** > **Scene Change Detection**.
2. Check **Enable Scene Change Detection**.
3. Click and drag the slider to set the detection sensitivity. The sensitivity value ranges from 1 to 100. The higher the value is, the more easily the change of scene will trigger the alarm.
4. Click **Arming Schedule** and configure the settings accordingly.
5. Select the linkage methods for scene change.
6. Click **Save**.

Face Detection

Purpose:

Face detection function detects the face that appears in the monitoring scene, and some certain actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration** > **Advanced Configuration** > **Smart Event** > **Face Detection**.
2. Check **Enable Face Detection**.
3. Optional: You can check **Enable Dynamic Analysis for Face Detection**, and then the detected face will be marked with green rectangle on the live video.

   Note: To mark the detected face on the live video, go to Local Configuration > Live View Parameters to enable the **Rules**.

4. Click and drag the slider to set the detection sensitivity.

   Sensitivity: Range [1-5]. The higher the value is, the more easily the face will be detected.

5. Click **Arming Schedule** and configure the settings accordingly.
6. Select the linkage methods for face detection.
7. Click **Save**.

Line Crossing Detection

Purpose:

Line crossing detection function detects people, vehicle, or other objects that cross a pre-defined virtual line. Some certain actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration** > **Event** > **Smart Event** > **Line Crossing Detection**.
2. Select a camera.
3. Optional: Check **Enable AI by Device**.

   AI by Device: The device will analyze the video, and cameras only transmit video stream.

4. Check **Enable Line Crossing Detection**.
5. Select the line from the drop-down list.
6. Click **Draw Area**, and a virtual line will be displayed on the live video.
7. Click and drag the line, and you can locate it on the live video. Click on the line, two red squares will be displayed on each end, and you can click and drag one of the red squares to define the shape and length of the line.
8. Optional: Check **Human** or **Vehicle**, and the device will analyze videos that contain human and vehicle. Only the target of selected type will trigger the alarm, which can reduce false alarms caused by other objects.
9. Select the direction for line crossing detection. For example, A->B means only the object crossing the line from A side to B side can be detected.
10. Click and drag the slider to set the detection sensitivity.

    Sensitivity: Range [1-100]. The higher the value is, the more easily the line crossing action will be detected.

11. Repeat the above steps to configure other lines. Up to 4 lines can be set. You can click **Clear** to clear all pre-defined lines.
12. Click **Arming Schedule** and configure the settings accordingly.
13. Select the linkage methods for line crossing detection.
14. Click **Save**.

Intrusion Detection

Purpose:

Intrusion detection function detects people, vehicle, or other objects that enter or loiter in a pre-defined virtual region. Some certain actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration** > **Event** > **Smart Event** > **Intrusion Detection**.
2. Select a camera.
3. Optional: Check **Enable AI by Device**.

   AI by Device: The device will analyze the video, and cameras only transmit video stream.
4. Check **Enable Intrusion Detection**.
5. Select the region from the drop-down list.
6. Click **Draw Area** to start drawing.
7. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing.
8. Optional: Check **Human** or **Vehicle**, and the device will analyze videos that contain human and vehicle. Only the target of selected type will trigger the alarm, which can reduce false alarms caused by other objects.
9. Set the time threshold, detection sensitivity, and object percentage.

   Threshold: Range [0-10]s. The threshold for the time of the object loiters in the region. If you set the value as 0, the alarm will be triggered immediately after the object entered the region.

   Sensitivity: Range [1-100]. The value of the sensitivity defines the size of the object that can trigger the alarm. When the sensitivity is high, a very small object will trigger the alarm.

   Percentage: Range [1-100]. Percentage defines the ratio of the in-region part to the object, which can trigger the alarm. For example, if the percentage is set as 50%, the alarm will be triggered when the object enters the region and occupies half of it.
10. Repeat the above steps to configure other regions. Up to 4 regions can be set. You can click **Clear** to clear all pre-defined regions.
11. Click **Arming Schedule** and configure the settings accordingly.
12. Select the linkage methods for intrusion detection.
13. Click **Save**.

Region Entrance Detection

Purpose:

Region entrance detection function detects people, vehicle, or other objects that enter a pre-defined virtual region from outside. Some certain actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration** > **Event** > **Smart Event** > **Intrusion Detection**.
2. Select a camera.
3. Optional: Check **Enable AI by Device**.

   AI by Device: The device will analyze the video, and cameras only transmit video stream.
4. Check **Enable Intrusion Detection**.
5. Select the region from the drop-down list.
6. Click **Draw Area** to start drawing.
7. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing.
8. Optional: Check **Human** or **Vehicle** and the device will analyze videos that contain human and vehicle. Only the target of selected type will trigger the alarm, which can reduce false alarms caused by other objects.
9. Set the detection sensitivity.

   Sensitivity: Range [1-100]. The value of the sensitivity defines the size of the object that can trigger the alarm. When the sensitivity is high, a very small object will trigger the alarm.
10. Repeat the above steps to configure other regions. Up to 4 regions can be set. You can click **Clear** to clear all pre-defined regions.
11. Click **Arming Schedule** and configure the settings accordingly.
12. Select the linkage methods for region entrance detection.
13. Click **Save**.

Region Exiting Detection

Purpose:

Region exiting detection function detects people, vehicle or other objects that exit from a pre-defined virtual region. Some certain actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration** > **Event** > **Smart Event** > **Region Exiting Detection**.
2. Select a camera.
3. Optional: Check **Enable AI by Device**.

   AI by Device: The device will analyze the video, and cameras only transmit video stream.
4. Check **Enable Region Exiting Detection**.
5. Select the region from the drop-down list.
6. Click **Draw Area** to start drawing.
7. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing.
8. Optional: Check **Human** or **Vehicle** and the device will analyze videos that contain human and vehicle. Only the target of selected type will trigger the alarm, which can reduce false alarms caused by other objects.
9. Set the detection sensitivity.

   Sensitivity: Range [1-100]. The value of the sensitivity defines the size of the object that can trigger the alarm. When the sensitivity is high, a very small object will trigger the alarm.
10. Repeat the above steps to configure other regions. Up to 4 regions can be set. You can click **Clear** to clear all pre-defined regions.
11. Click **Arming Schedule** and configure the settings accordingly.
12. Select the linkage methods for region exiting detection.
13. Click **Save**.

Loitering Detection

Purpose:

Loitering detection function detects people, vehicle or other objects that has loitered in a pre-defined virtual region for some certain time, and a series of actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration** > **Event** > **Smart Event** > **Loitering Detection**.
2. Check **Enable Loitering Detection**.
3. Select the region from the drop-down list.
4. Click **Draw Area** to start drawing.
5. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing.
6. Optional: Check **Human** or **Vehicle** and the device will analyze videos that contain human and vehicle. Only the target of selected type will trigger the alarm, which can reduce false alarms caused by other objects.
7. Set the time threshold and detection sensitivity.

   Threshold: Range [0-10] s. The threshold for the time of the object loiters in the region. If you set the value as 5, the alarm will be triggered after the object has loitered in the region for 5s; If you set the value as 0, the alarm will be triggered immediately after the object enters the region.

   Sensitivity: Range [1-100]. The value of the sensitivity defines the size of the object that can trigger the alarm. When the sensitivity is high, a very small object will trigger the alarm.
8. Repeat the above steps to configure other regions. Up to 4 regions can be set. You can click **Clear** to clear all pre-defined regions.
9. Click **Arming Schedule** and configure the settings accordingly.
10. Select the linkage methods for loitering detection.

11. Click **Save**.

People Gathering Detection

Purpose:

People gathering detection alarm is triggered when people gather around in a pre-defined virtual region. A series of actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration > Event > Smart Event > People Gathering Detection**.
2. Check **Enable People Gathering Detection**.
3. Select the region from the drop-down list.
4. Click **Draw Area** to start drawing.
5. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing.
6. Optional: Check **Human** or **Vehicle** and the device will analyze videos that contain human and vehicle. Only the target of selected type will trigger the alarm, which can reduce false alarms caused by other objects.
7. Set the object percentage.

    Percentage: Range [1-100]. Percentage defines the gathering density of the people in the region. Usually, even when the percentage is small, the alarm will still be triggered.
8. Repeat the above steps to configure other regions. Up to 4 regions can be set. You can click **Clear** to clear all pre-defined regions.
9. Click **Arming Schedule** and configure the settings accordingly.
10. Select the linkage methods for people gathering detection.
11. Click **Save**.

Fast Moving Detection

Purpose:

Fast moving detection alarm is triggered when people, vehicle, or other objects move fast in a pre-defined virtual region. A series of actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration > Event > Smart Event > Fast Moving Detection**.
2. Check **Enable Fast Moving Detection**.
3. Select the region from the drop-down list.
4. Click **Draw Area** to start drawing.
5. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing..
6. Set the detection sensitivity.

    Sensitivity: Range [1-100]. The value of the sensitivity defines the moving speed of the object that can trigger the alarm. The higher the value is, the more easily a moving object will trigger the alarm.
7. Repeat the above steps to configure other regions. Up to 4 regions can be set. You can click **Clear** to clear all pre-defined regions.
8. Click **Arming Schedule** and configure the settings accordingly.
9. Select the linkage methods for fast moving detection.
10. Click **Save**.

Parking Detection

Purpose:

Parking detection function detects illegal parking in places such as highway, one-way street, etc., and a series of actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration > Event > Smart Event > Parking Detection**.
2. Check **Enable Parking Detection**.
3. Select the region from the drop-down list.
4. Click **Draw Area** to start drawing.
5. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing.
6. Set the time threshold and detection sensitivity for parking detection.

    Threshold: Range [5-20] s. The threshold for the time of the vehicle parks in the region. If you set the value as 10, the alarm will be triggered after the vehicle has stayed in the region for 10s.

    Sensitivity: Range [1-100]. The value of the sensitivity defines the size of the vehicle that can trigger the alarm. When the sensitivity is high, even a vehicle of small size will trigger the alarm.
7. Repeat the above steps to configure other regions. Up to 4 regions can be set. You can click **Clear** to clear all pre-defined regions.
8. Click **Arming Schedule** and configure the settings accordingly.
9. Select the linkage methods for parking detection.
10. Click **Save**.

Unattended Baggage Detection

Purpose:

Unattended baggage detection function detects the objects left over in the pre-defined region such as baggage, purse, dangerous materials, etc. A series of actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration > Event > Smart Event > Unattended Baggage Detection**.
2. Check **Enable Unattended Baggage Detection** to enable the function.
3. Select the region from the drop-down list.
4. Click **Draw Area** to start drawing.
5. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing.
6. Set the time threshold and detection sensitivity.

    Threshold: Range [5-20] s. The threshold for the time of the objects left over in the region. If you set the value as 10, the alarm will be triggered after the object has been left and stayed in the region for 10s.

    Sensitivity: Range [1-100]. The value of the sensitivity defines the similarity degree of the background image. Usually, when the sensitivity is high, a very small object left in the region will trigger the alarm.
7. Repeat the above steps to configure other regions. Up to 4 regions can be set. You can click **Clear** to clear all pre-defined regions.
8. Click **Arming Schedule** and configure the settings accordingly.
9. Select the linkage methods for unattended baggage detection.
10. Click **Save**.

Object Removal Detection

Purpose:

Object removal detection function detects the objects removed from the pre-defined region, such as exhibits on display. A series of actions will be taken when the alarm is triggered.

Steps:

1. Go to **Configuration > Event > Smart Event > Object Removal Detection**.
2. Check **Enable Object Removal Detection**.
3. Select the region from the drop-down list.
4. Click **Draw Area** to start drawing.
5. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing.
6. Set the time threshold and detection sensitivity.

    Threshold: Range [5-20] s. The threshold for the time of the objects removed from the region. If you set the value as 10, the alarm will be triggered if the object has disappeared from the region for 10s.

    Sensitivity: Range [1-100]. The value of the sensitivity defines the similarity degree of the background image. Usually, when the sensitivity is high, a very small object taken from the region will trigger the alarm.

7. Repeat the above steps to configure other regions. Up to 4 regions can be set. You can click **Clear** to clear all pre-defined regions.
8. Click **Arming Schedule** and configure the settings accordingly.
9. Select the linkage methods for object removal detection.
10. Click **Save**.

Face Comparison

Purpose:

Face comparison compares detected face pictures with specified face picture library. The alarm will be triggered when comparison succeeds.

Steps:

1. Go to **Configuration** > **Event** > **Face Comparison** > **Face Comparison**.
2. Select a camera.
3. Optional: Check **Enable Non-Real-Time Face Comparison**. For places with a high flow of people, the processing speed of the device may not be fast enough. **Enable Non-Real-Time Face Comparison** will save the real-time pictures as cache, and process them later when engine has free resource. After enabling this function, all channels will be able to support face picture comparison.

   Note:
   - When **Enable Non-Real-Time Face Comparison** is checked, the linkage method will only support **Notify Surveillance Center.**
   - **Enable Non-Real-Time Face Comparison will not trigger real-time alarm, so Arming Schedule is unavailable.**
4. Check **Enable**.
5. Optional: Set **Prompt for Failed Face Comparison**, **Prompt for Succeeded Face Comparison**, and check **Enable Alarm Output Pulse**.

   Prompt for Failed Face Comparison: It will display the prompt in live view when face picture comparison fails.

   Prompt for Succeeded Face Comparison: It will display the prompt when face picture comparison succeeds.

   Enable Alarm Output Pulse: It is usually used with a part of access control devices. When a person is passing a gate, if the comparison succeeds, it will trigger a pulse to open the gate. The pulse is between 100 to 900 ms.
6. Select face picture libraries and set similarity.
7. Set the arming schedule.
8. Set the linkage actions when face picture comparison matched or mismatched.
9. Click **Save**.

   Note: When both face comparison alarm and stranger detection alarm are triggered, the device will only report one type of the alarm. For example, if a face picture triggers both face picture comparison detection (face mismatched) and stranger detection, the device will only report stranger detection alarm.

Stranger Detection

Purpose:

Stranger detection compares detected face pictures with specified face picture library. The alarm will be triggered when comparison fails.

Steps:

1. Go to **Configuration** > **Event** > **Face Comparison** > **Stranger Detection**.
2. Select a camera.
3. Optional: Check **Non-Real-Time Face Comparison**. For places with a high flow of people, the device processing speed may not be fast enough. **Non-Real-Time Face Comparison** will save the real-time pictures as cache, and process them later when engine has free resource. After enabling this function, all channels will be able to support face picture comparison.

   Note:
   - When **Non-Real-Time Face Comparison** is enabled, the linkage method will only support **Notify Surveillance Center.**
   - **Non-Real-Time Face Comparison will not trigger real-time alarm, so Arming Schedule is unavailable.**
4. Check **Enable**.
5. Optional: Set **Prompt for Stranger**. It will display the prompt in live view when comparison fails.

   Prompt for Stranger: It will display the prompt in live view when face picture comparison fails.

   Enable Alarm Output Pulse: It is usually linked with a gate. When a person is passing a gate, if the comparison succeeds, it will trigger a pulse to open the gate. The pulse is between 100 to 900 ms.
6. Select face picture libraries and set similarity.
7. Set the arming schedule.
8. Set the linkage actions.
9. Click **Save**.

   Note: When both face comparison alarm and stranger detection alarm are triggered, the device will only report one type of the alarm. For example, if a face picture triggers both face picture comparison detection (face mismatched) and stranger detection, the device will only report stranger detection alarm.

Frequently Appeared Person Alarm

Purpose:

The device will trigger alarms when a person has appeared at a high frequency.

Steps:

1. Go to **Configuration** > **Event** > **People Frequency** > **Frequently Appeared Person**.
2. Check **Enable**.
3. Set **Capture Interval**, **Frequency Threshold**, and **Statistics Cycle**.

   Capture Interval: When a person has appeared several times within the capture interval, it only counts for once for this person.

   Frequency Threshold: It will trigger the alarm when the frequency has exceeded the threshold.

   Statistics Cycle: Time period for counting the people frequency. For example, if the statistics cycle is 7 days, the device will count people frequency in the last 7 days (including today). If a person has exceeded the frequency threshold in the last 7 days, the alarm will be triggered.
4. Click **Linked Channel** to select channel.
5. Click **Linked Face Picture Library** to select face picture library.
6. Set similarity for the selected library.
7. Set strategy as **Filter** or **Alarm**.

   Filter: If the face picture similarity has exceeded the value, the face picture will be considered as an existing member in the library and the alarm will not be triggered.

   Alarm: The alarm will be triggered when the face picture similarity and frequency has exceeded the threshold.

   Note: All unrecognized face pictures will be added to strangers library, so that strangers can trigger the frequently appeared person alarm, and they can also use the similarity of strangers library.
8. Set the arming schedule and linkage actions.
9. Click **Save**.

Rarely Appeared Person Alarm

Purpose:

The device will trigger the alarm when a person has appeared at a low frequency.

Steps:

1. Go to **Configuration** > **Event** > **People Frequency** > **Low Frequency Person**.
2. Check **Enable**.
3. Set **Capture Interval**, **Frequency Threshold**, **Statistics Cycle**, and **Daily Report Time**.

   Capture Interval: When a person has appeared several times within the capture interval, it only counts for once for this person.

   Frequency Threshold: It will trigger the alarm when the frequency has not reached the threshold.

Statistics Cycle: Time period for counting the people frequency. For example, if the statistics cycle is 7 days, the device will count people frequency in the last 7 days (including today). If a person has not exceeded the frequency threshold in the last 7 days, the alarm will be triggered.

Daily Report Time: The statistics of the daily reported low frequency person at the predefined time.

4. Click **Linked Channel** to select channel.

5. Click **Linked Face Picture Library** to select face picture library.

6. Set similarity for the selected library.

7. Set linkage actions.

8. Click **Save**.

More Events

The transparent transmission events will be listed here. The device will only display events supported by the connected cameras.

You can export event list, custom event names, import event list, and configure event parameters after they are imported.