How to configure VCA of the NVR

Preparation

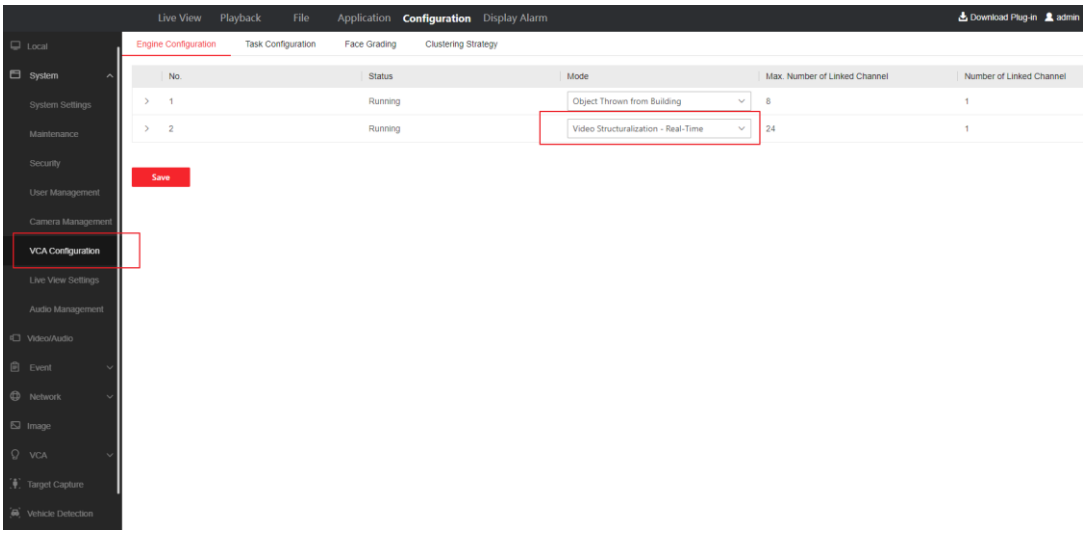
1. Deepinmind or Acusense NVR

How to configure VCA of the NVR

1. Video Struturalization

1) Configure Engine

Log in to the web，open "**configuration**"——"**VCA configuration**"——"**Engine configuration**"——select "**video structuratiralization**"



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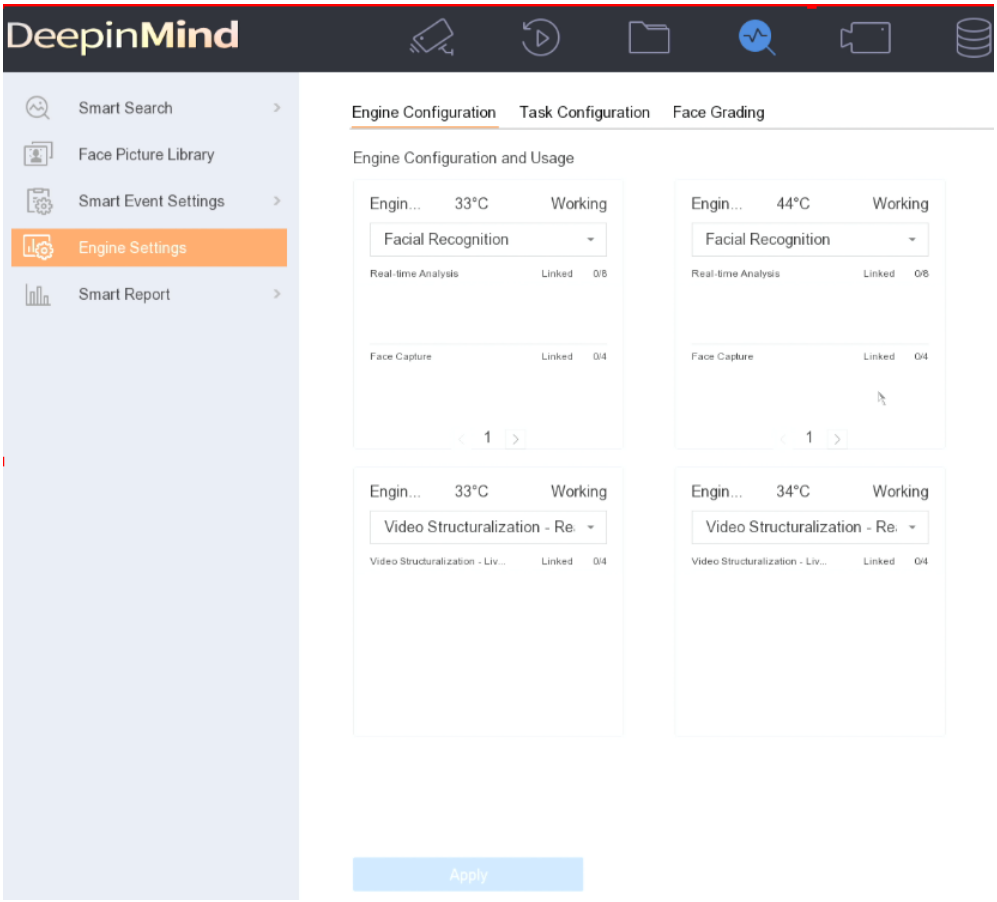
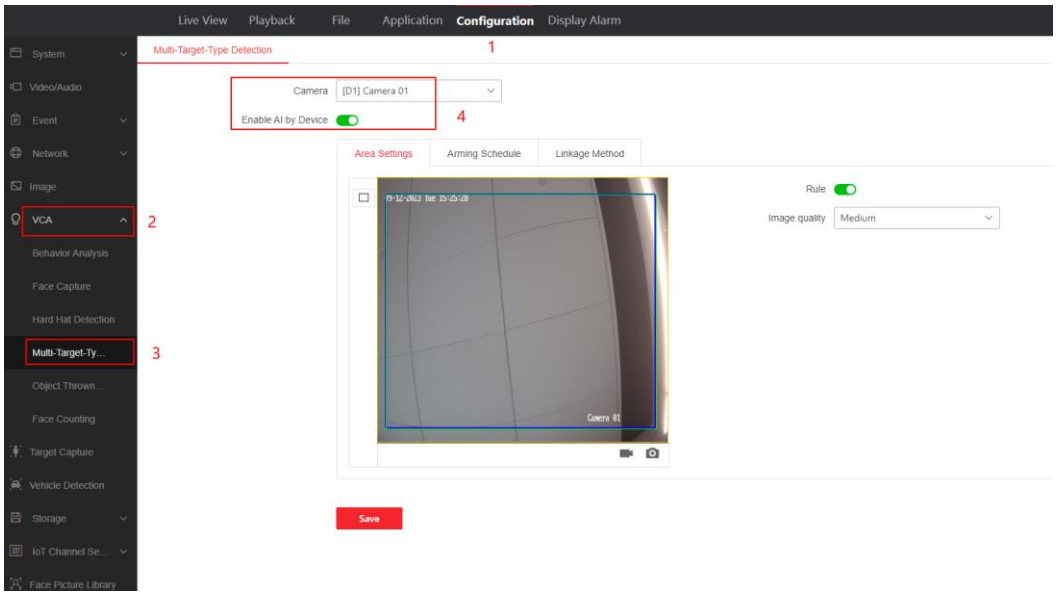
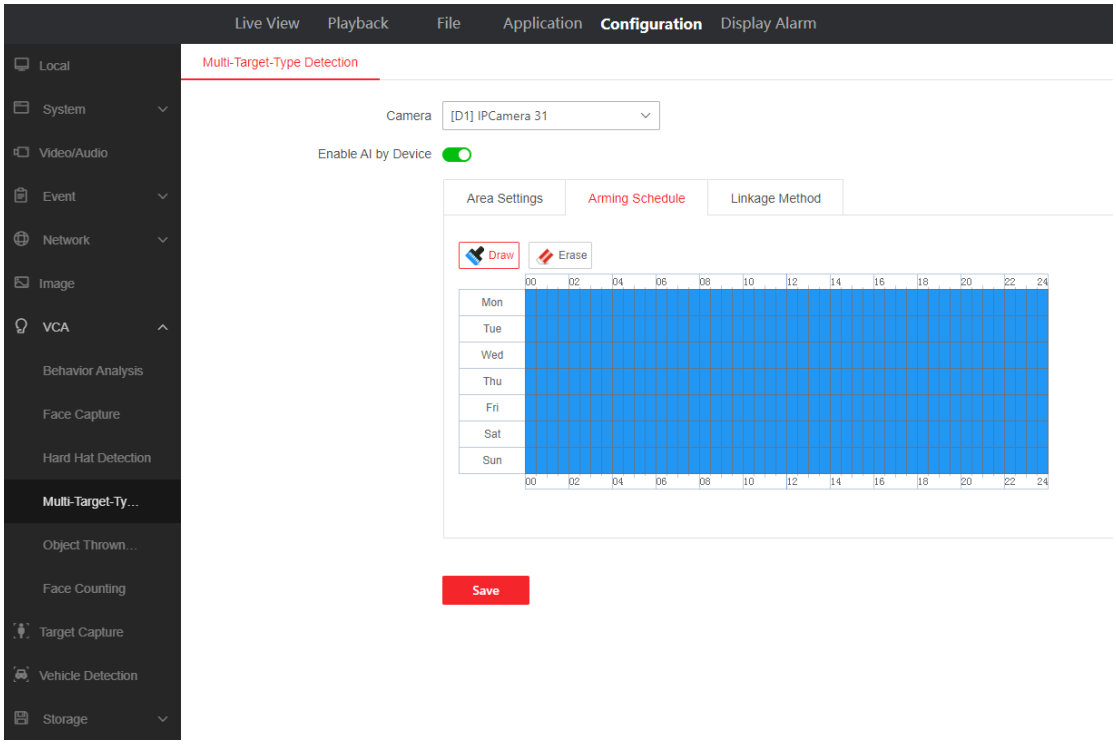
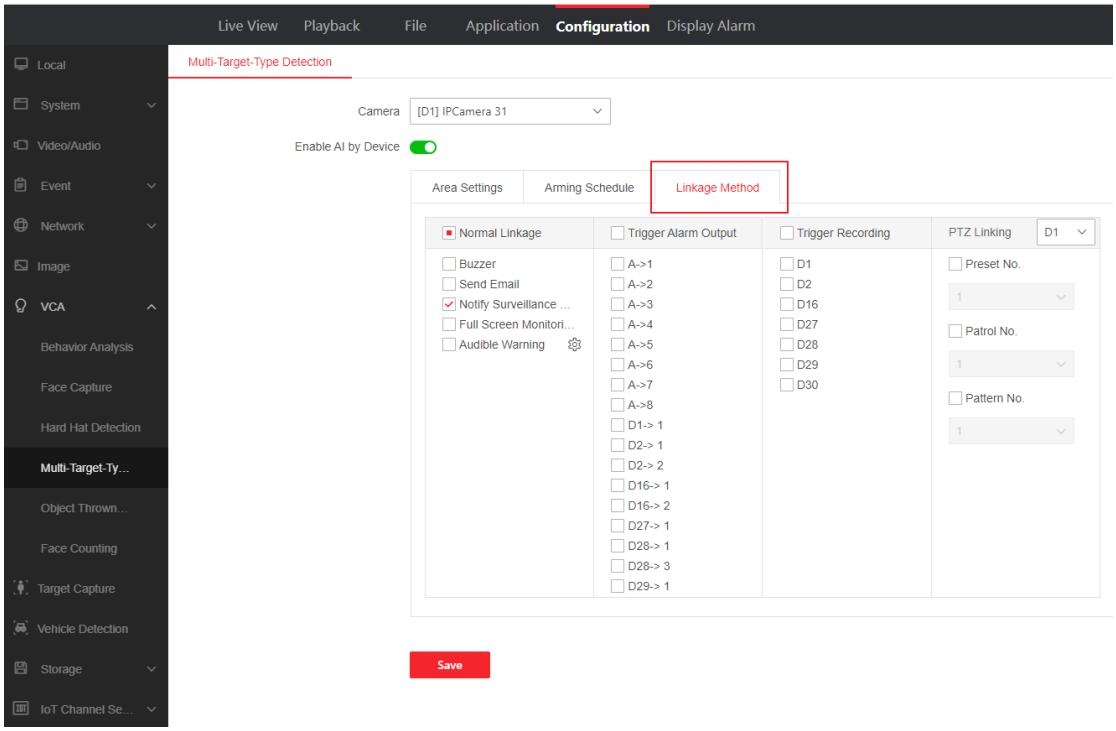


2) Configure Rule

Open "**Configuration**"——"**VCA**"——"**Multi-Target-Type Detection**"——select "**Enable AI by Device**"(It means using NVR's analytical ability), configure rule box, arming schedule and linkage method.







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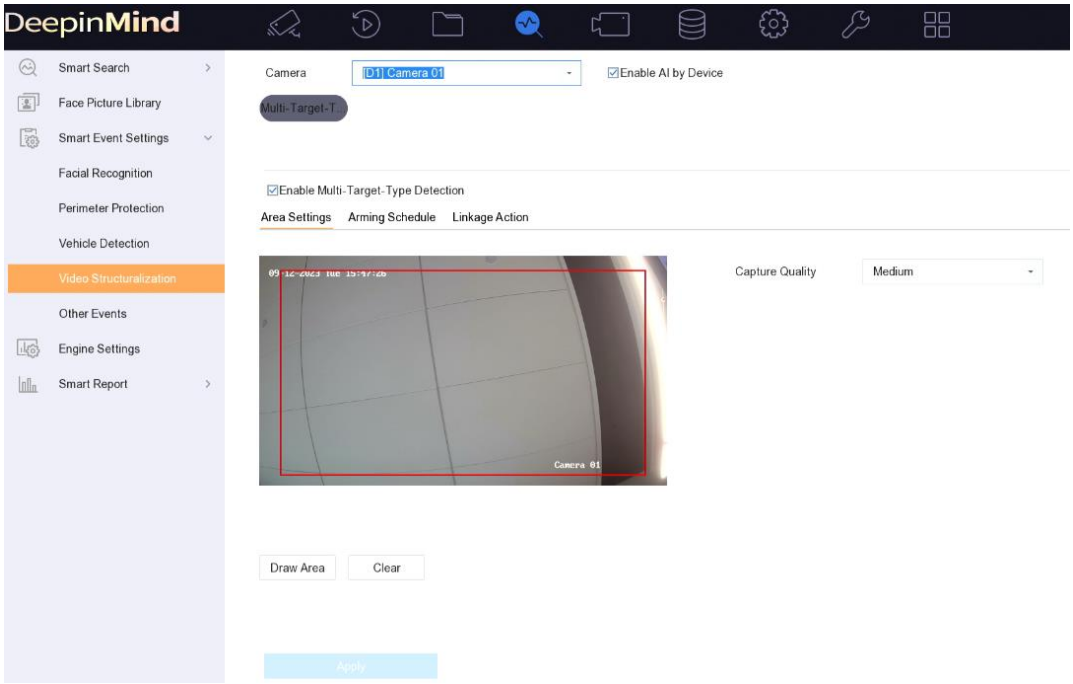
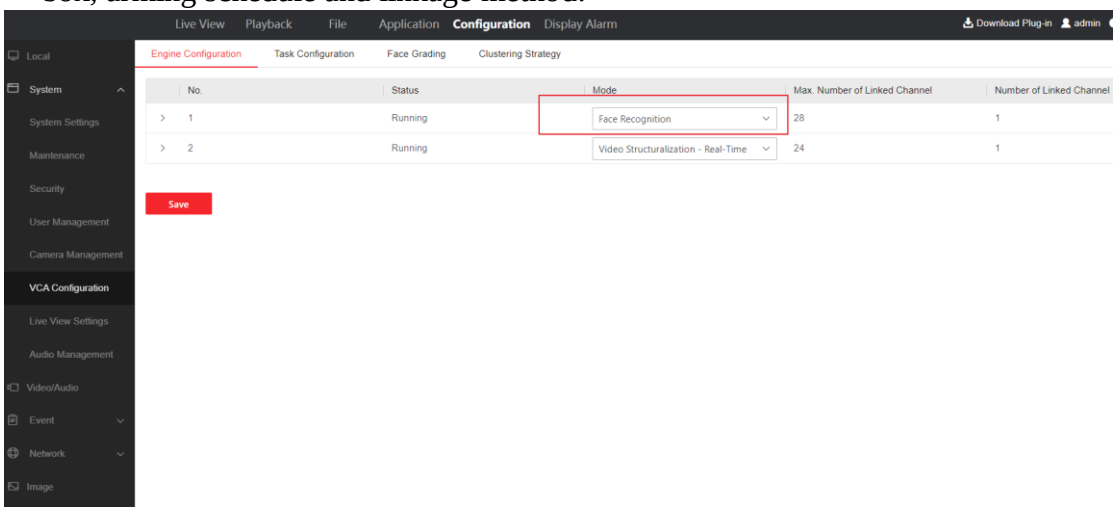
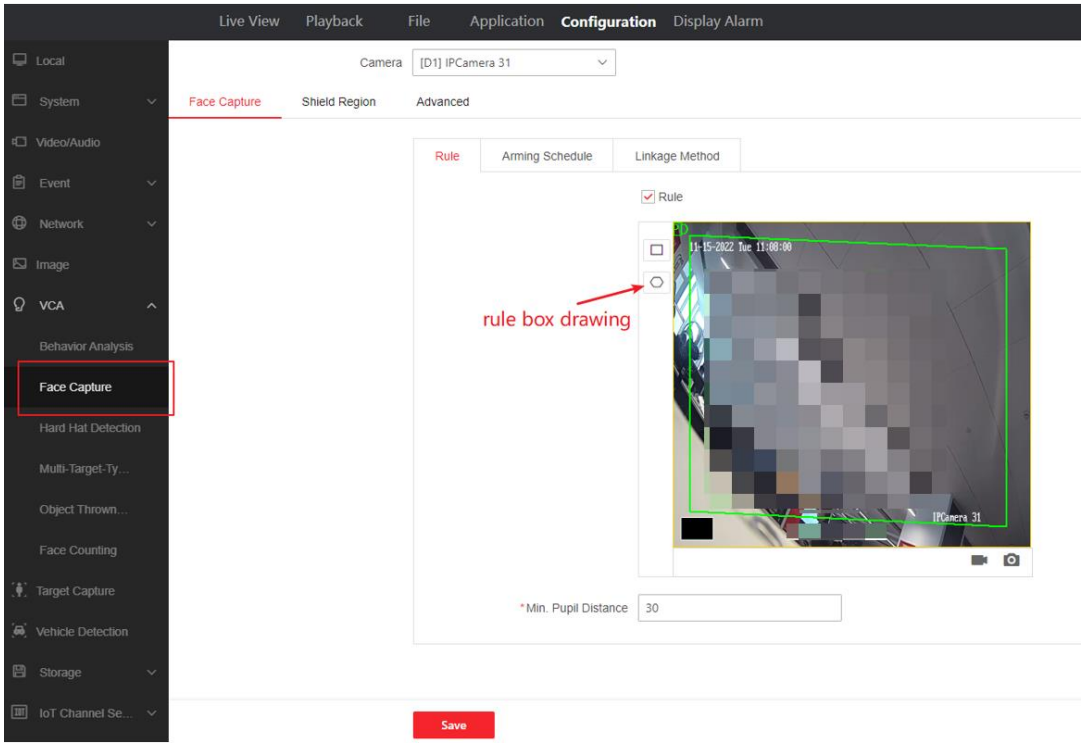


2. Face capture and recognition

1) Engine switch to face recognition

Open "**Configuration**"——"**VCA**"——"**Face Capture**", Configure rule box, arming schedule and linkage method.

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Face Capture
Hard Hat Detection
Multi-Target-Ty...
Object Thrown...
Face Counting
Target Capture
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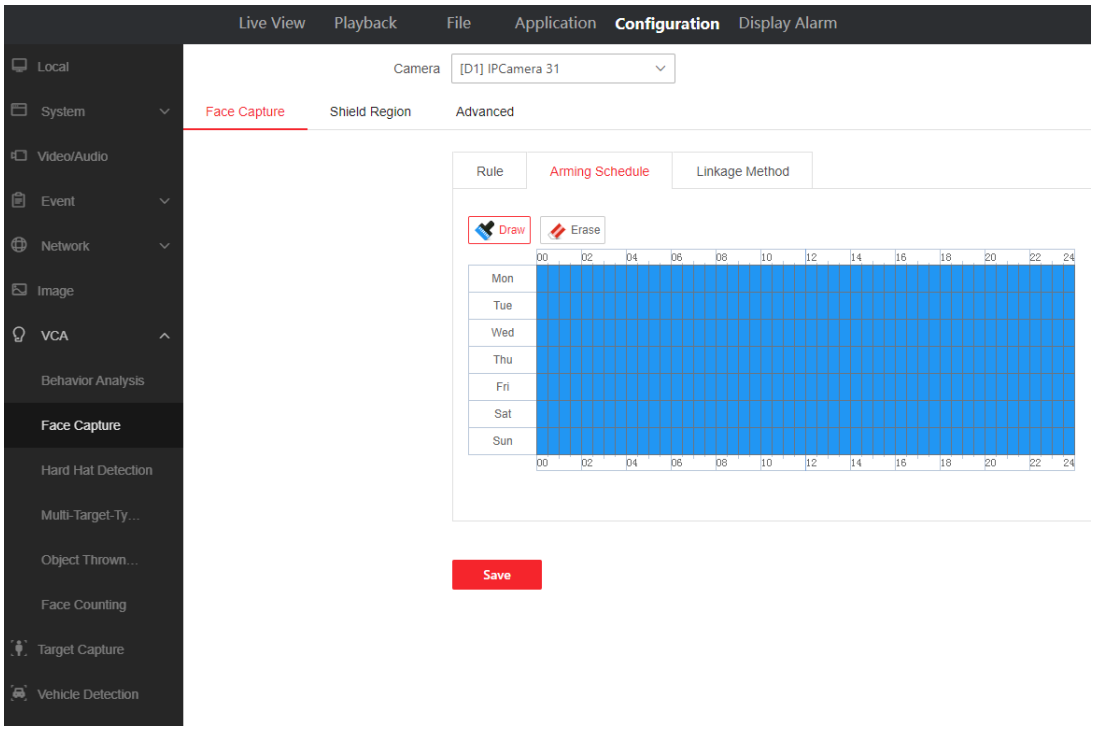
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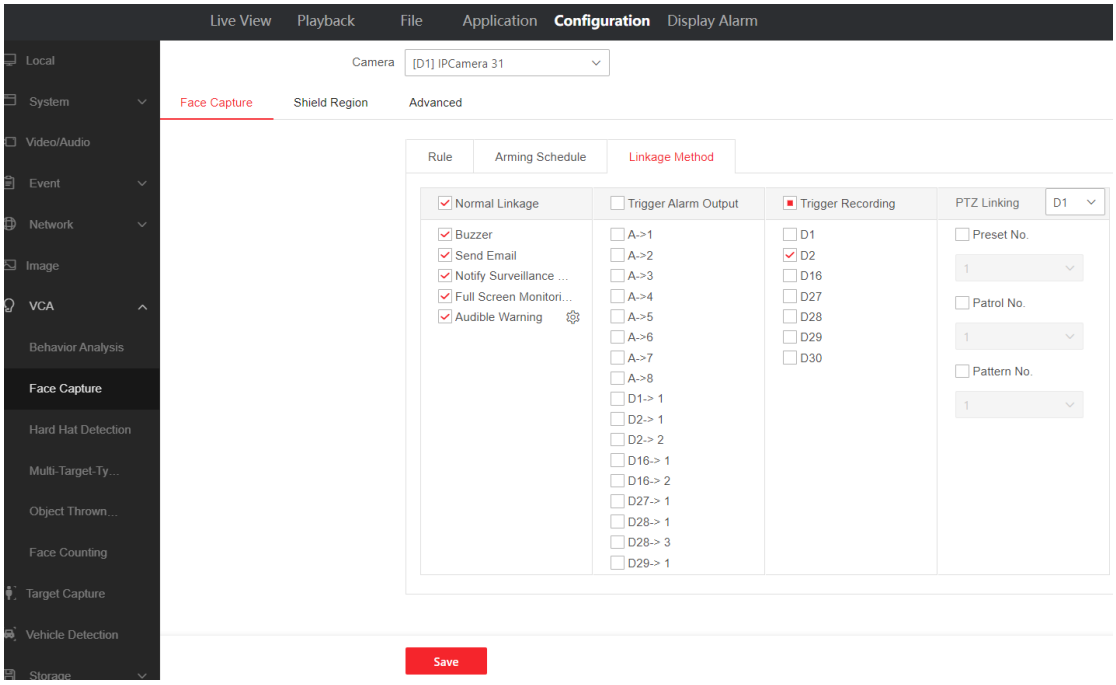
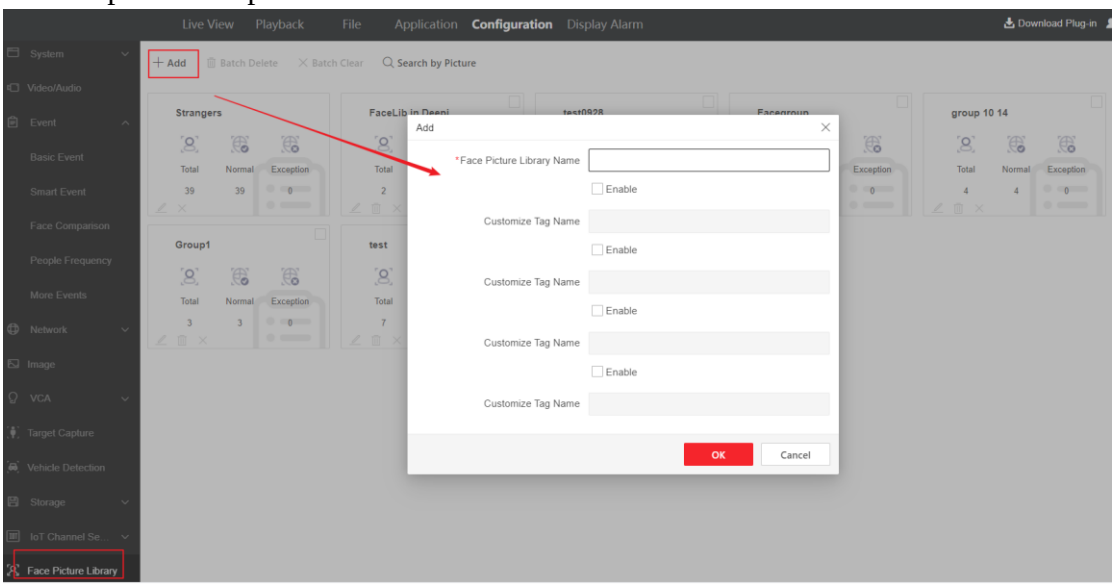
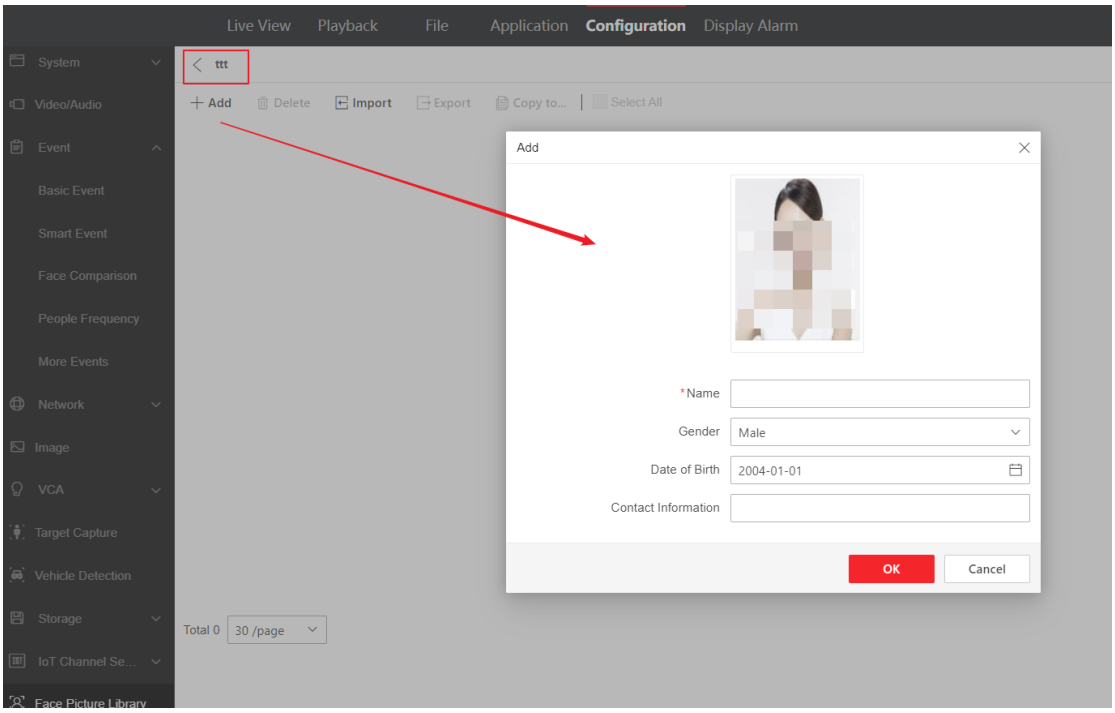


2) Configure Face Comparison

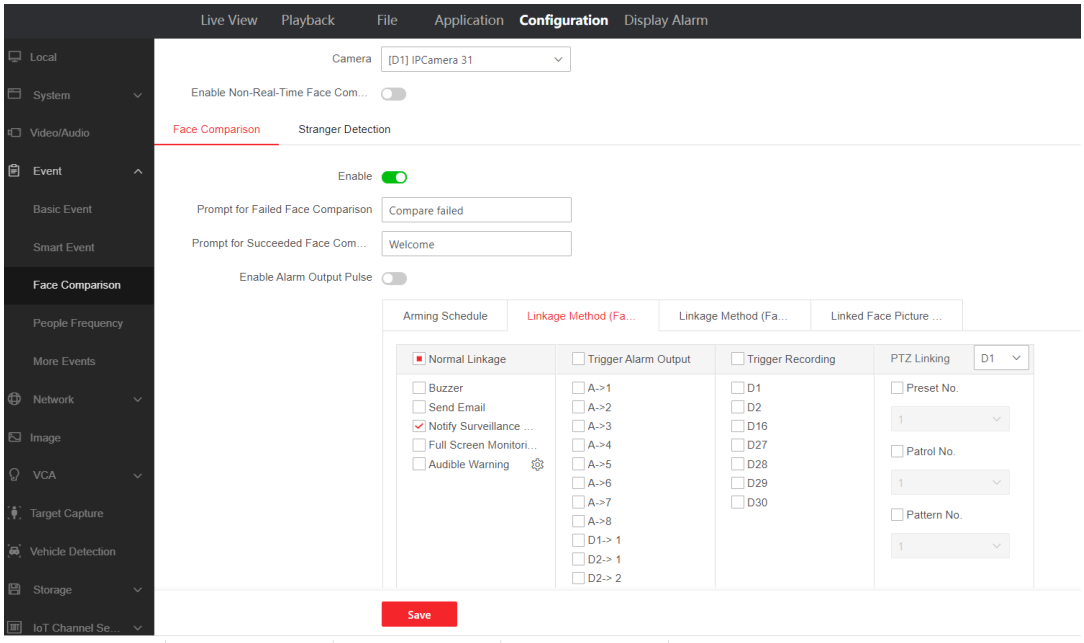
Compare and analyze the captured face picture and the picture in the face database to determine the similarity between the two pictures，

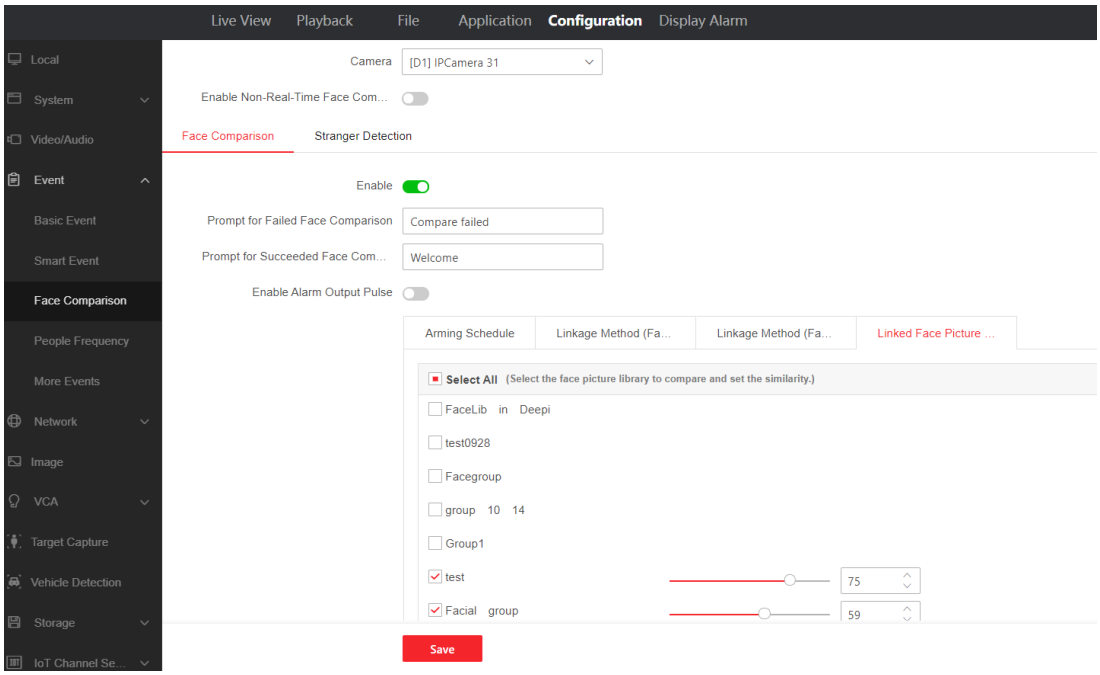
a. Open "**Configuration**"——"**face picture library**"，configure face database and upload face pictures.



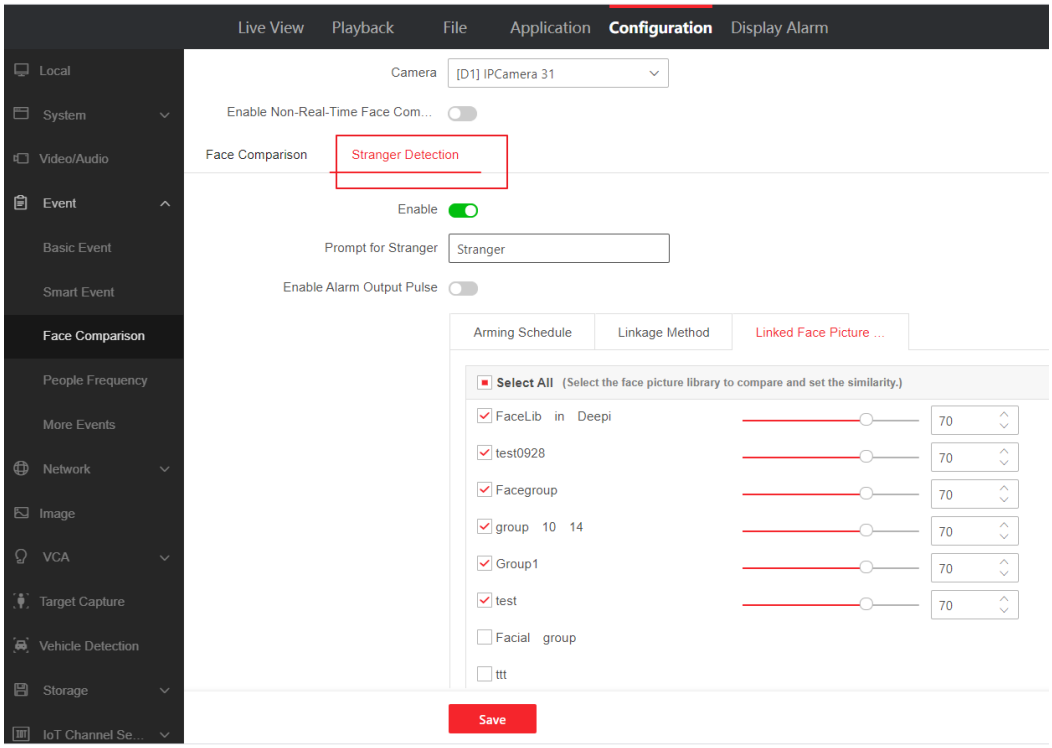


b. Open "**Configuration**"——"**Event**"——"**Face Comparison**", configure arming schedule, linkage method and linkage face database.
Note: Enable Non-Real-Time Face Comparison means that no comparison is made at present, and the comparison analysis will be made when the device engine resources are sufficient.





c. Stranger detection, configuration as above.



3) Frequently Appeared Person

When the number of appear reaches the alarm threshold within the set time, the alarm will be triggered. The stringers intelligence in the face database is used for Frequently appear person and does not support manual import. After enabling

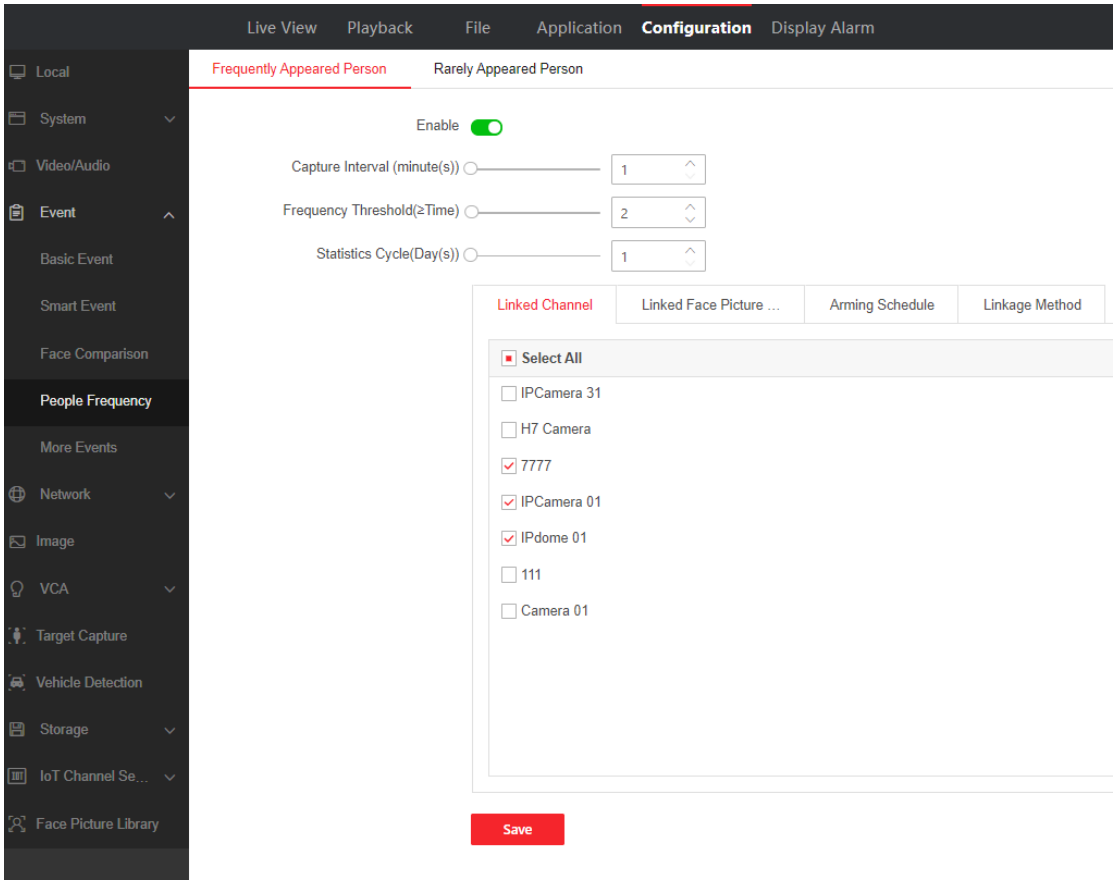
Frequently appear person, the device will automatically save the first stranger face snapshot of the stranger.

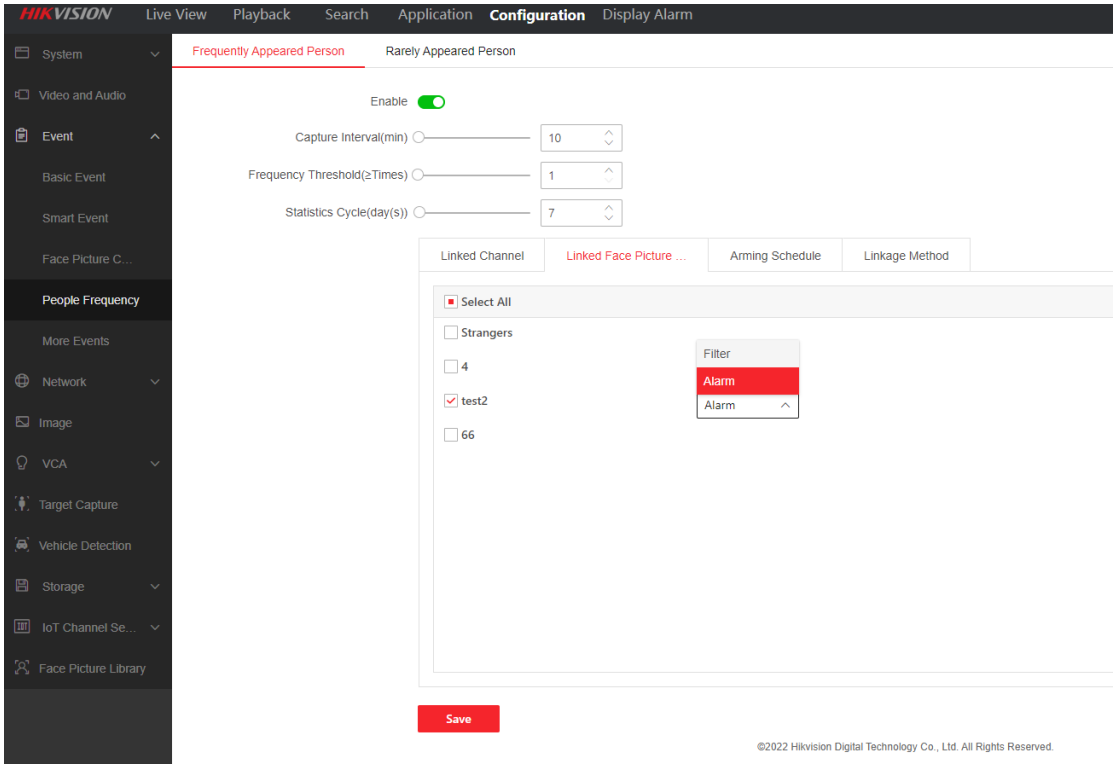
Notes:

a. Capture Interval: If someone appeared several times in the capture interval time, the NVR would only count that this person come once.

b. Frequency Threshold & Statistics Cycle: Frequency Threshold and Days trigger the alarm together. For example, if the same person appear 10 times during the latest 7 days, the alarm will be triggered.

c. Filter&alarm in face database: if the database is set to filter, the personnel in this database will not trigger frequency alarm.

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Target Capture
Vehicle Detection
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IoT Channel Se...
Face Picture Library
Frequently Appeared Person
Rarely Appeared Person
Enable
Capture Interval(min)
10
Frequency Threshold(≥Times)
1
Statistics Cycle(day(s))
7
Linked Channel
Linked Face Picture ...
Arming Schedule
Linkage Method
Select All
Strangers
4
test2
66
Filter
Alarm
Alarm
Save
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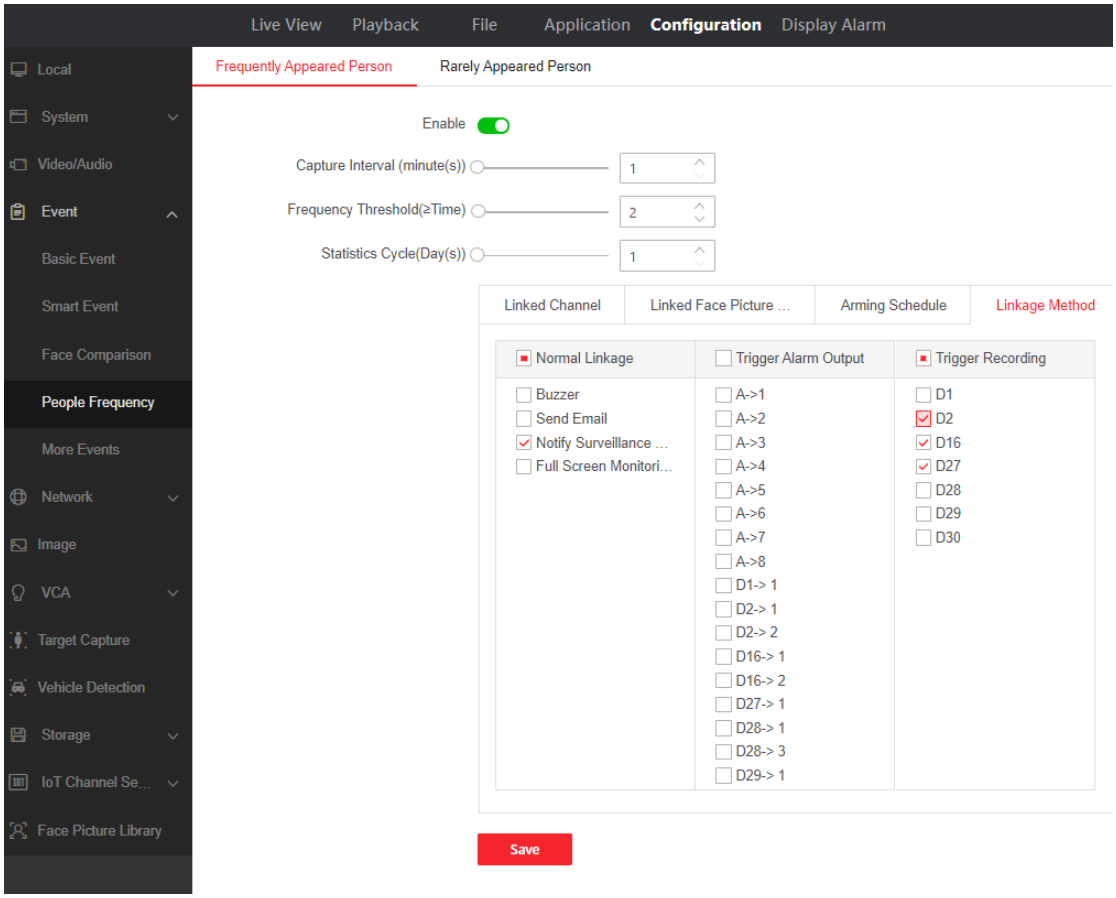
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Target Capture
Vehicle Detection
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Face Picture Library
Frequently Appeared Person
Rarely Appeared Person
Enable
Capture Interval (minute(s))
1
Frequency Threshold(≥Time)
2
Statistics Cycle(Day(s))
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Linked Face Picture ...
Arming Schedule
Linkage Method
Normal Linkage
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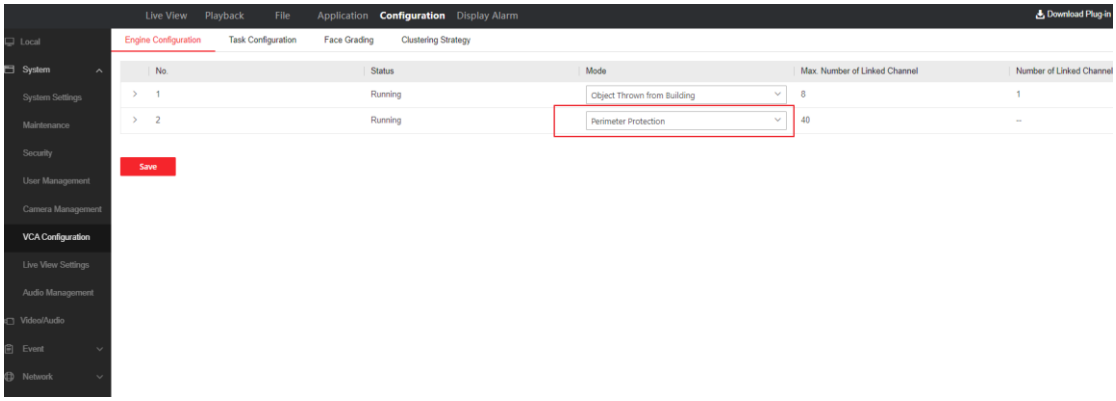
Send Email
Notify Surveillance ...
Full Screen Monitori...
Trigger Alarm Output
A->1
A->2
A->3
A->4
A->5
A->6
A->7
A->8
D1-> 1
D2-> 1
D2-> 2
D16-> 1
D16-> 2
D27-> 1
D28-> 1
D28-> 3
D29-> 1
Trigger Recording
D1
D2
D16
D27
D28
D29
D30
Save

3. Perimeter protection configuration

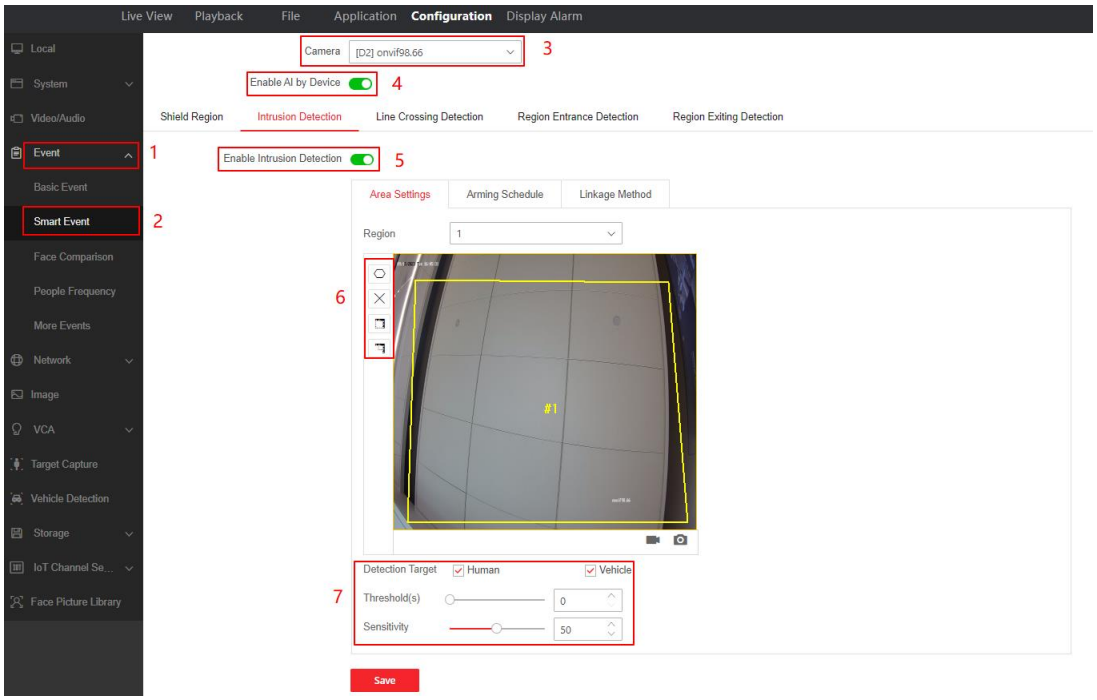
Switch engine to primeter protection

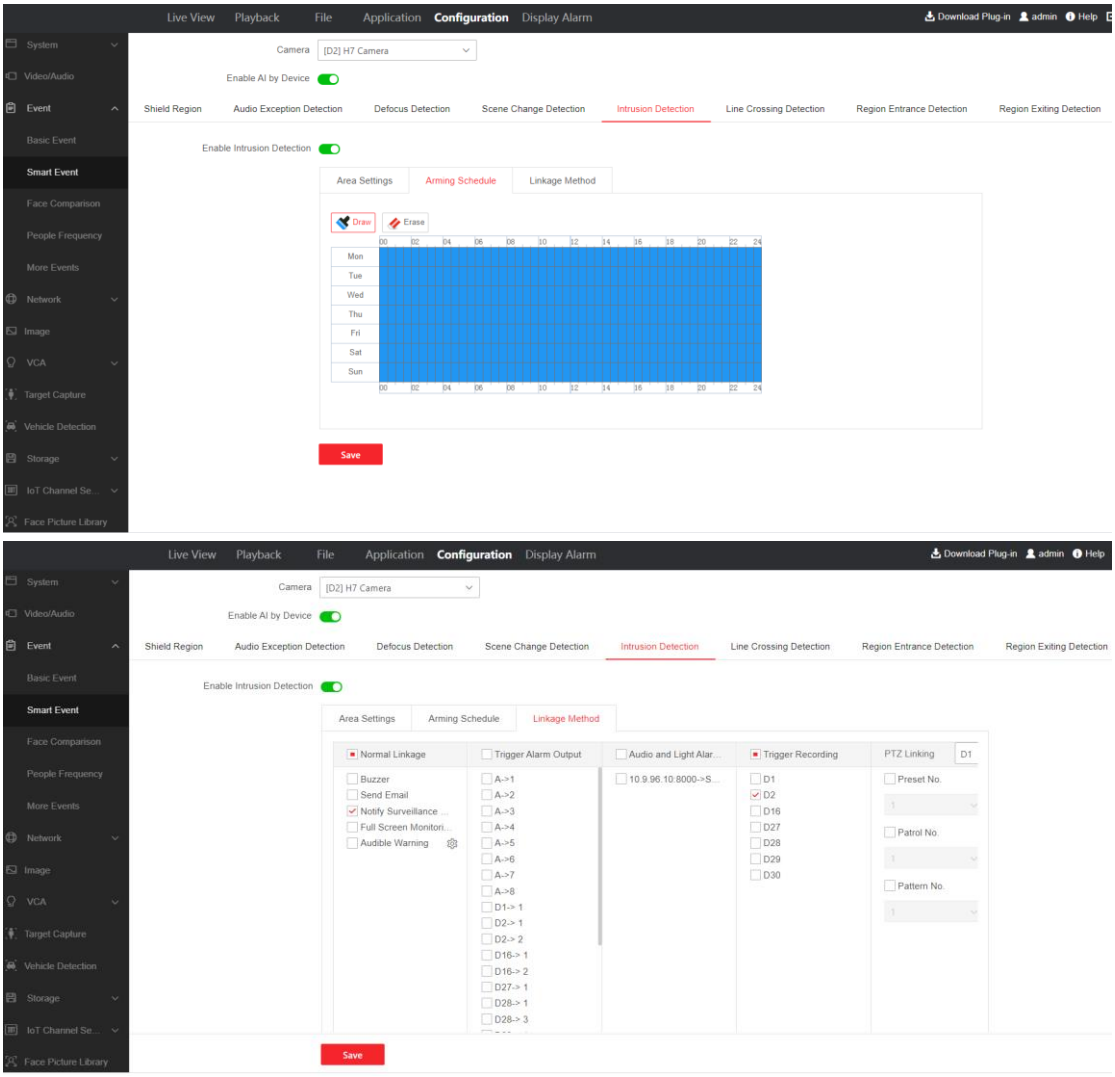


Open "**Configuration"——"event"——"smart event**"

1) Intrusion Detection

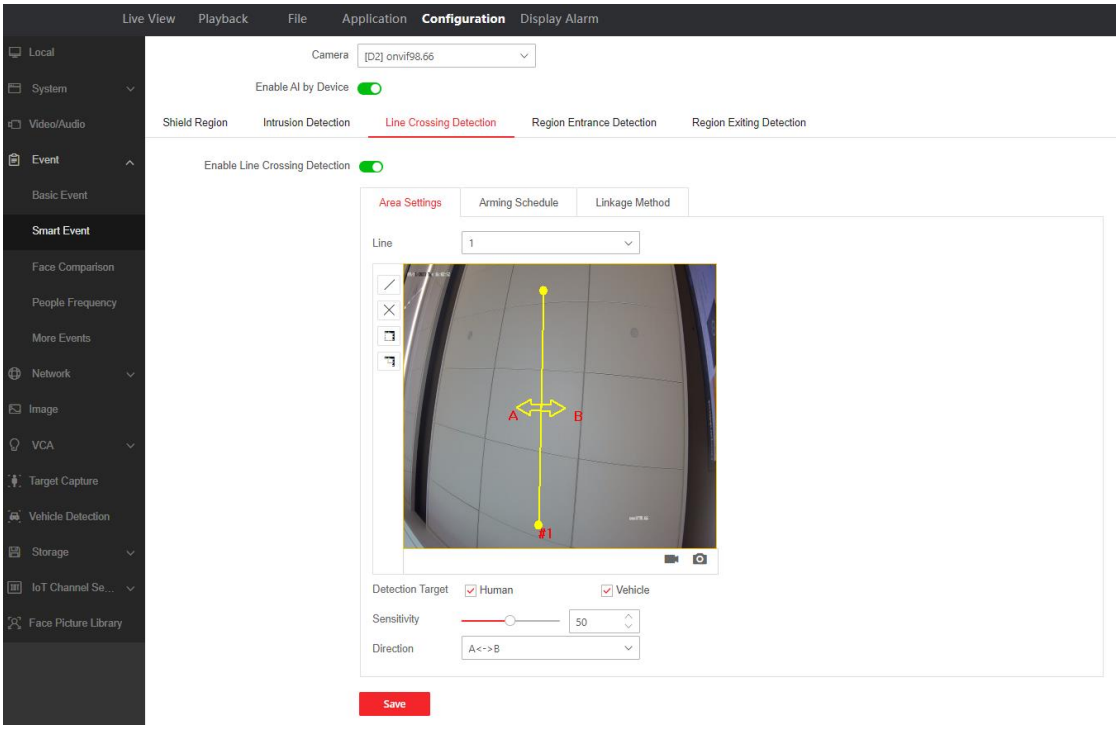
Enable "Enable AI by device" and "Enable intrusion detection", configure the rule box and the maximum and minimum detection boxes (used to detect the target larger than the minimum box and smaller than the maximum box), and check the person and vehicle to filter out the non-person and vehicle alarms.





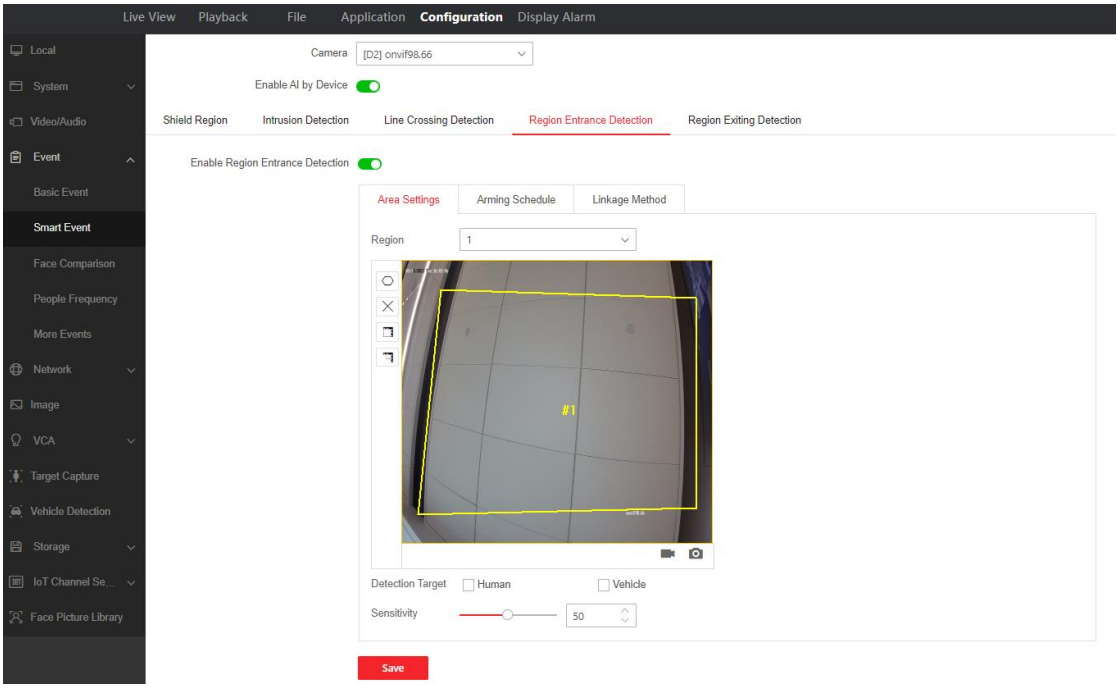
2) Line Crossing Detection

When crossing a regular line, an alarm will be triggered, and the direction of crossing the line can be set. The specific configuration is the same as above (intrusion detection).



3) Region Entrance Detection

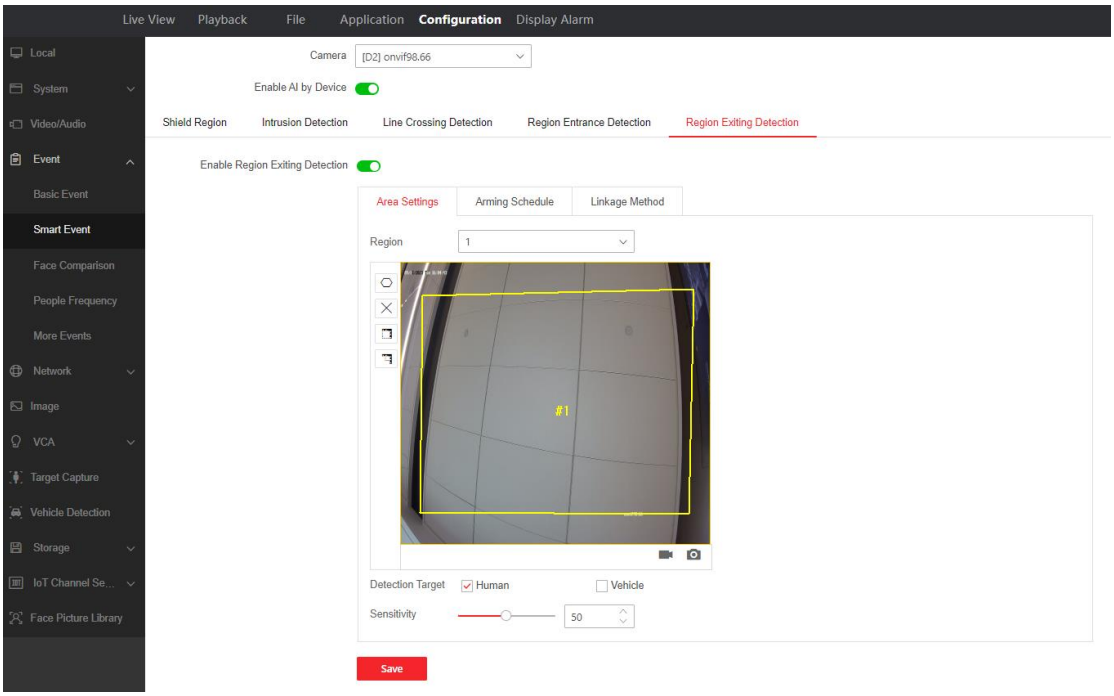
The alarm will only be triggered when entering the rule box from outside the rule box. Refer to intrusion detection the specific configuration.



4) Region Exiting Detection

The alarm will be only triggered when you leave the rule box from the rule box.

Refer to intrusion detection for specific configuration.



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