



How to configure VCA of the NVR

Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	1 of 3

Preparation

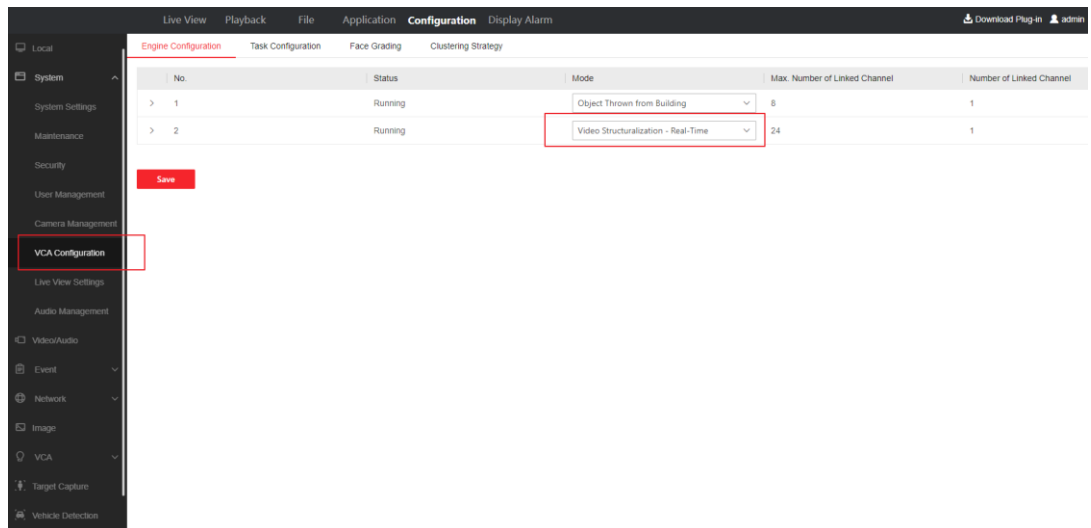
1. Deepinmind or Acusense NVR

How to configure VCA of the NVR

1. Video Strutralization

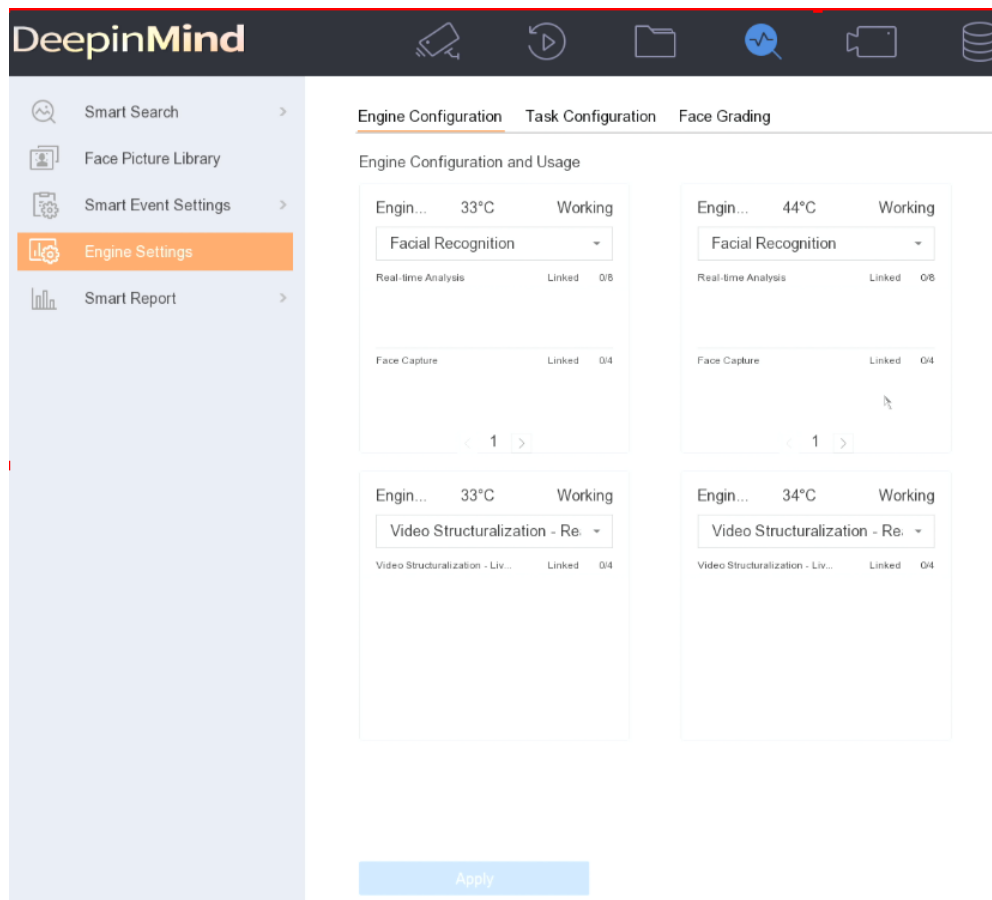
1) Configure Engine

Log in to the web, open “configuration”——“VCA configuration”——“Engine configuration”——select “video structuratalization”



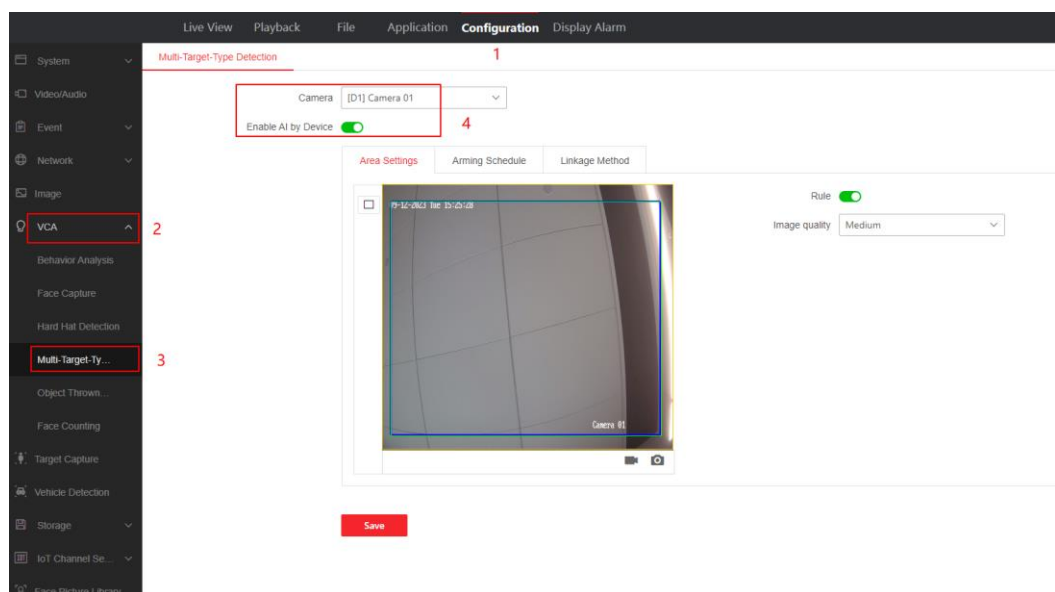
The local page is as follows:

Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	2 of 3

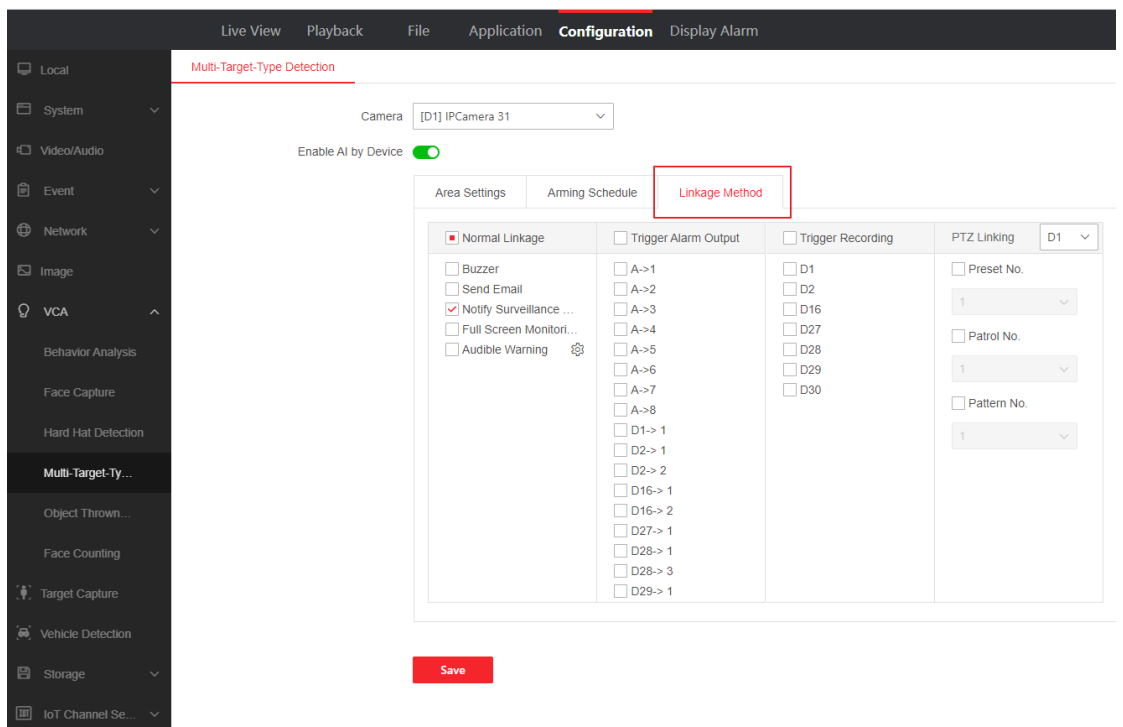
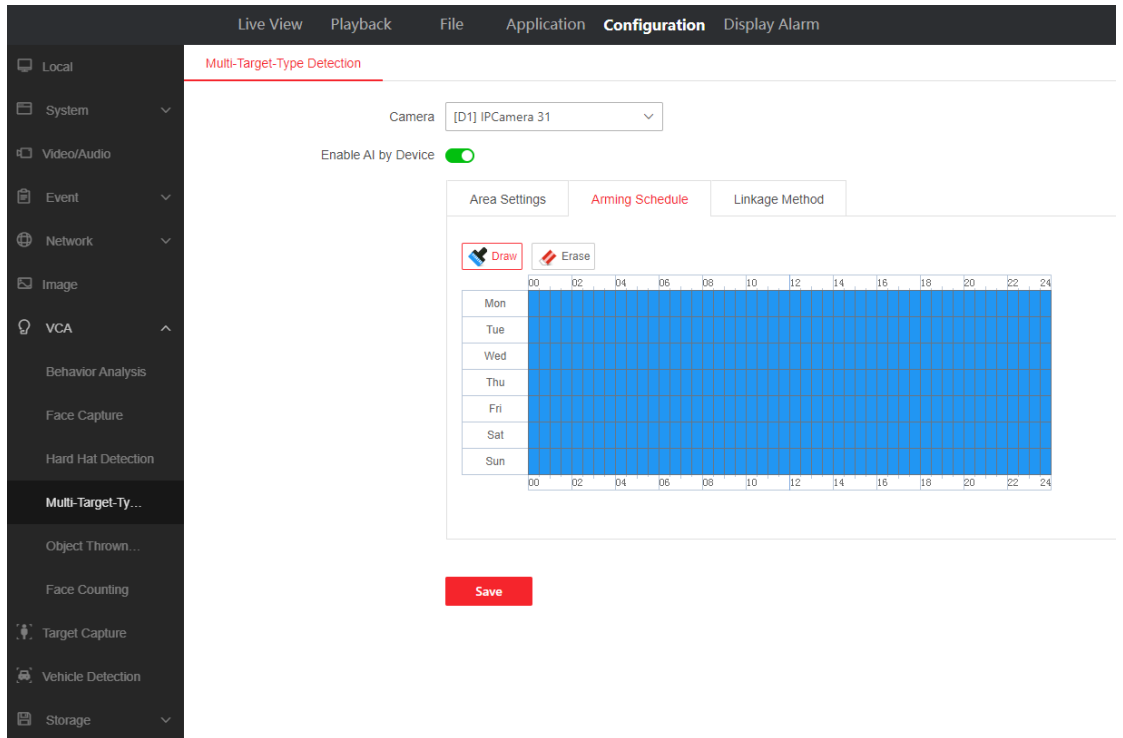


2) Configure Rule

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.

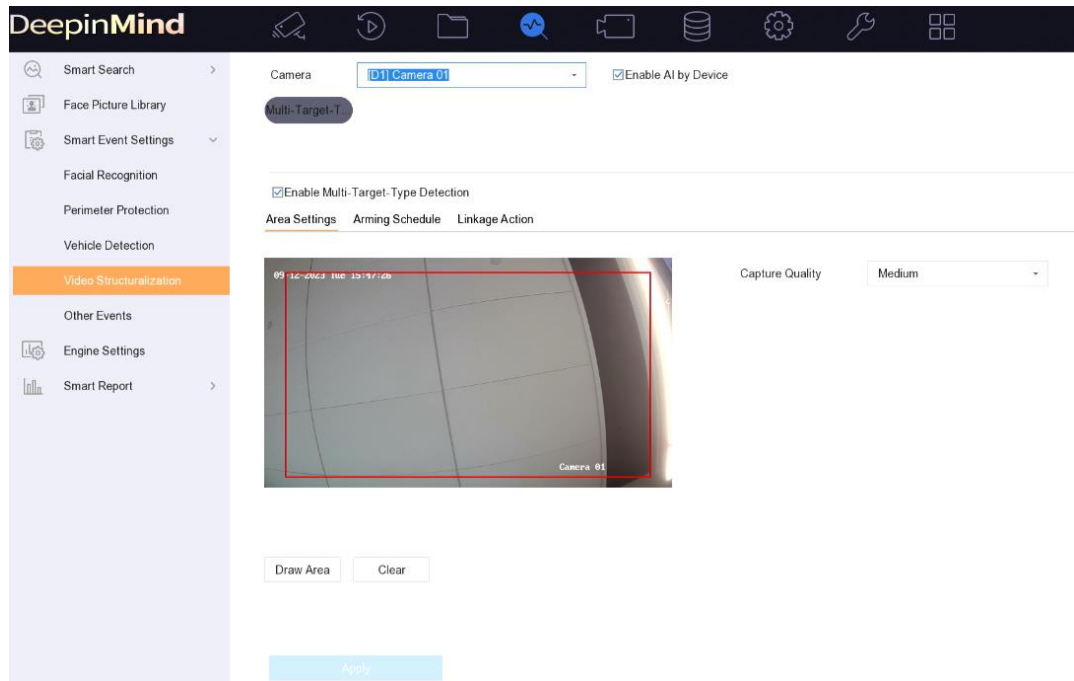


Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	3 of 3



The local page is as follows:

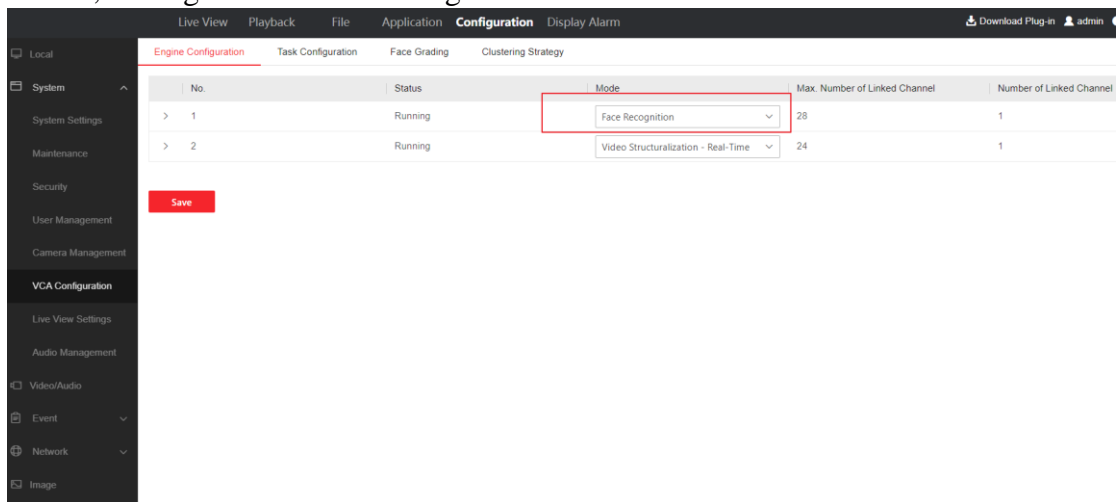
Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	4 of 3

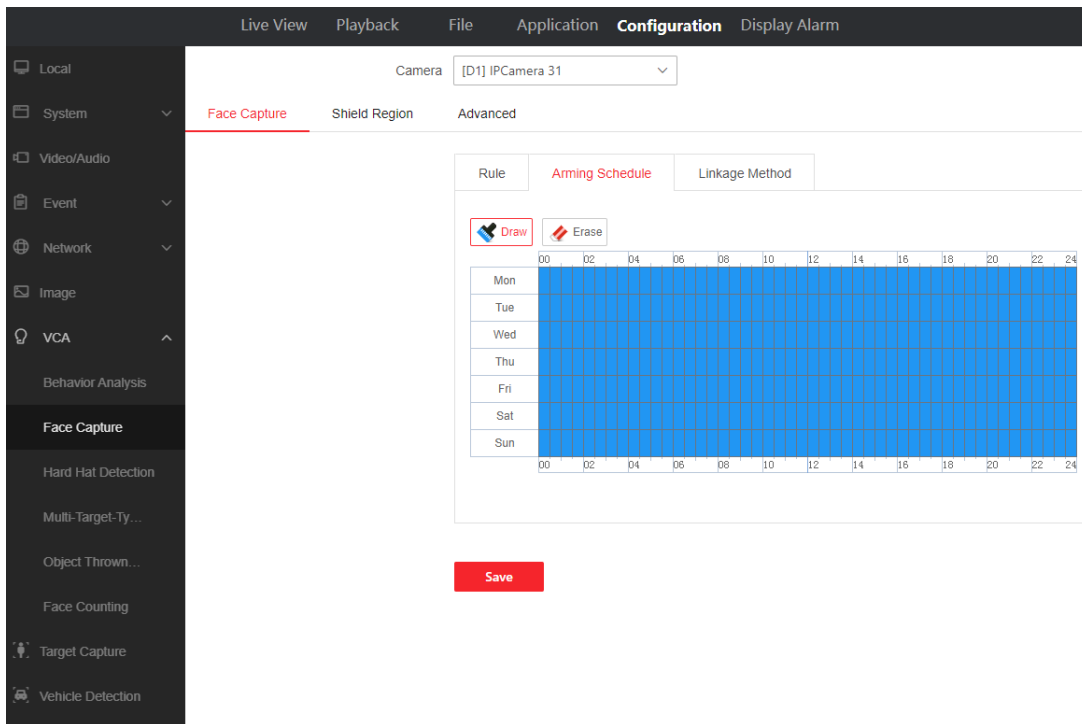
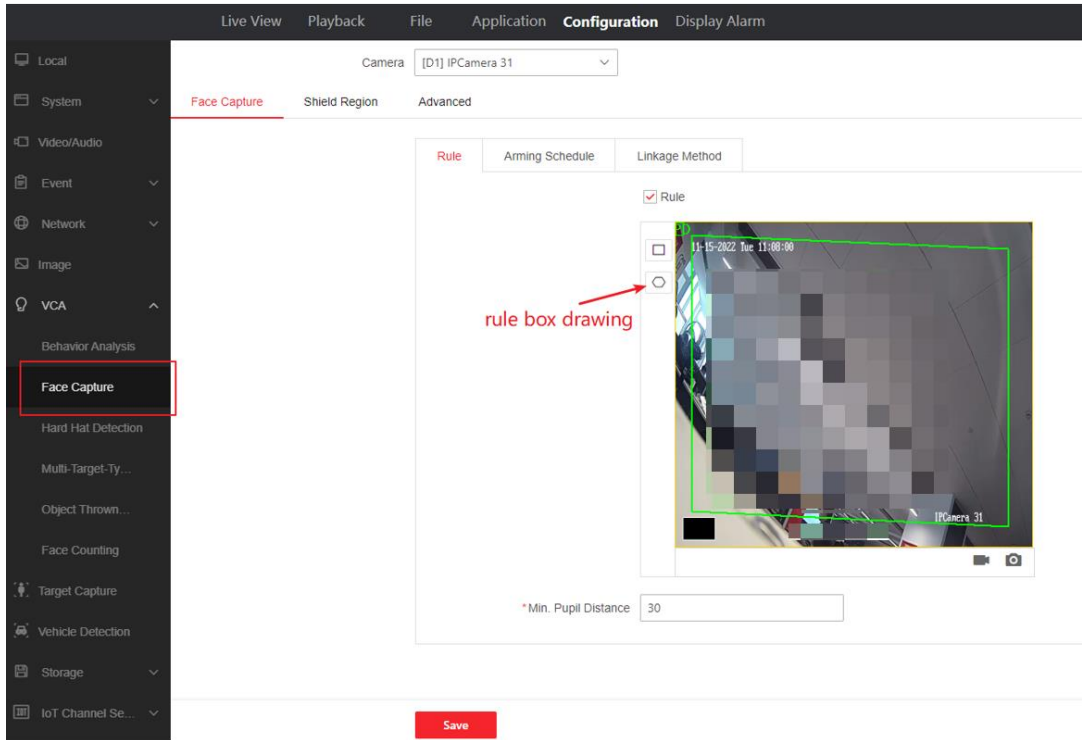


2. Face capture and recognition

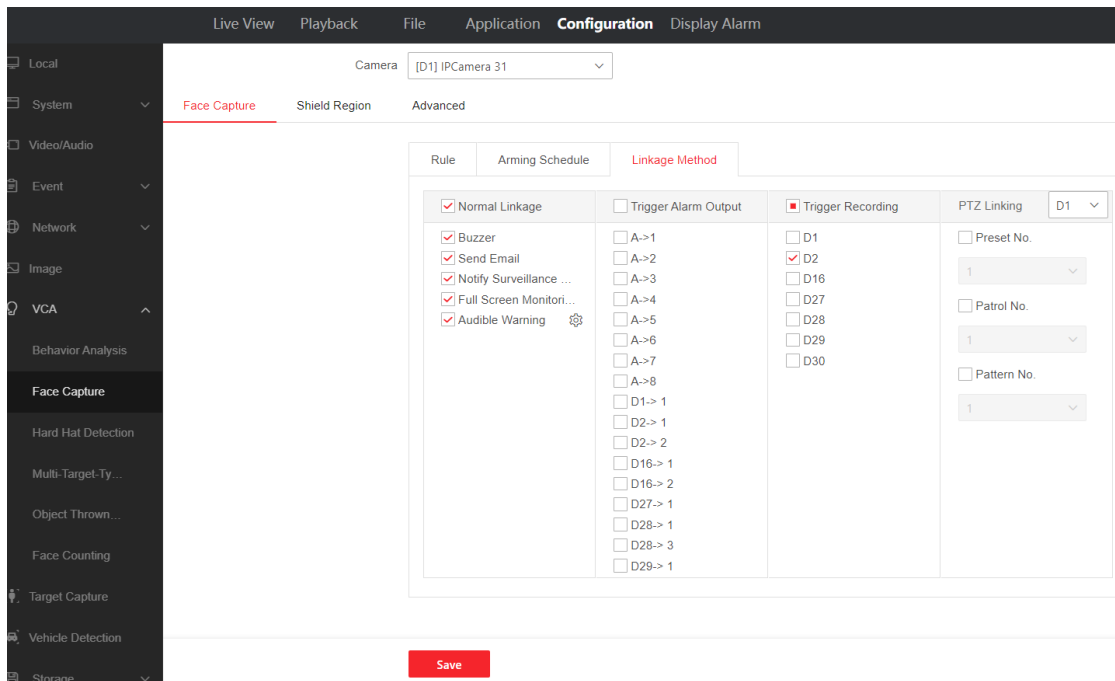
1) Engine switch to face recognition

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





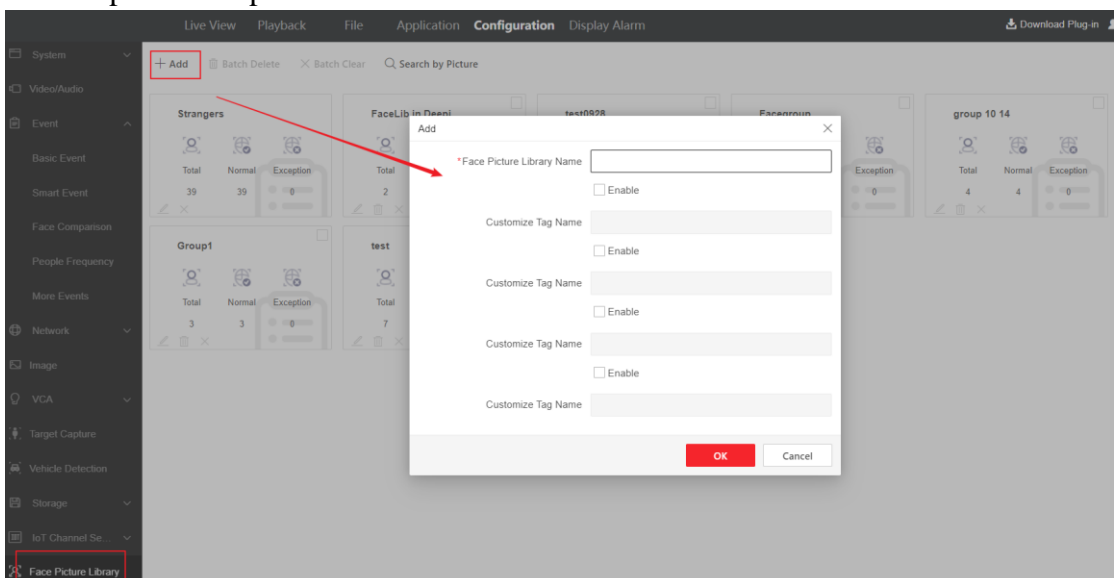
Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	6 of 3



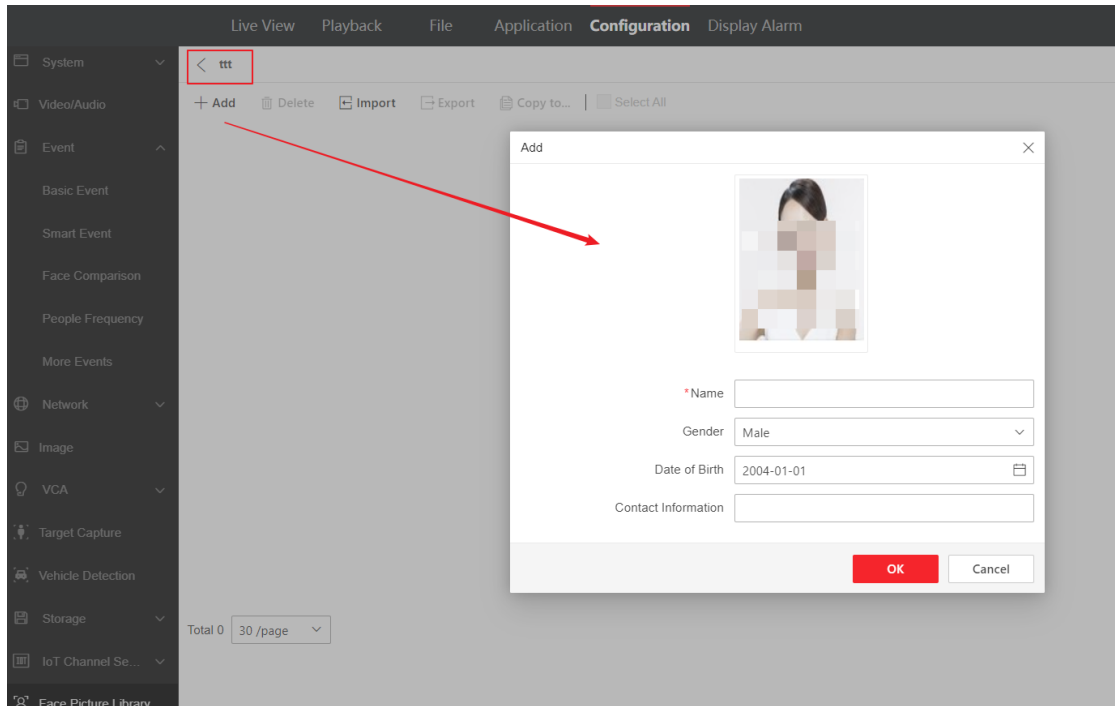
2) Configure Face Comparison

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.

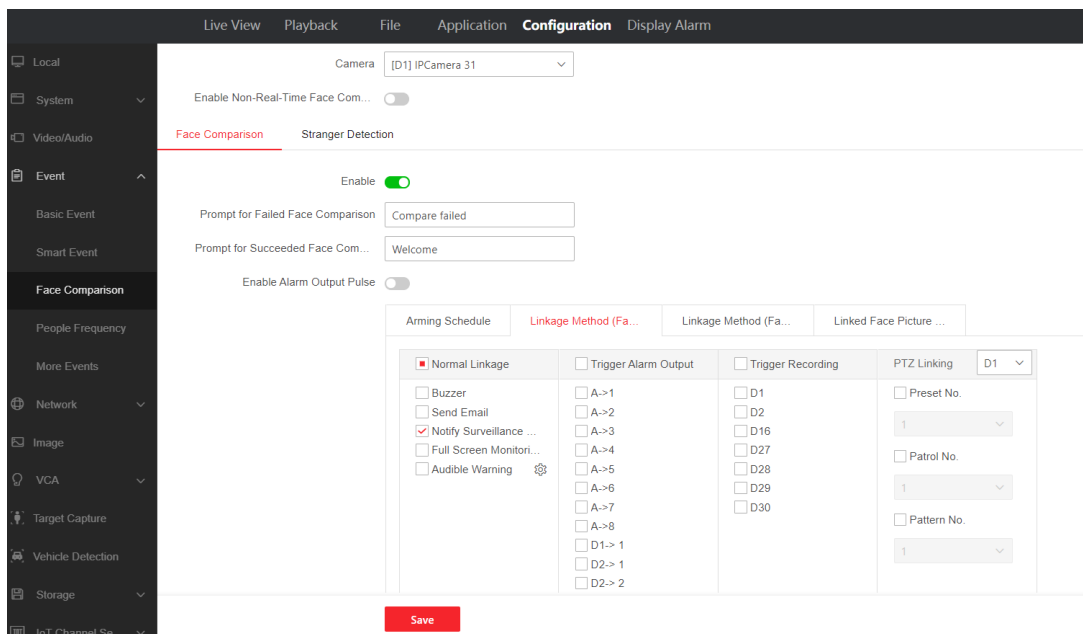


Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	7 of 3

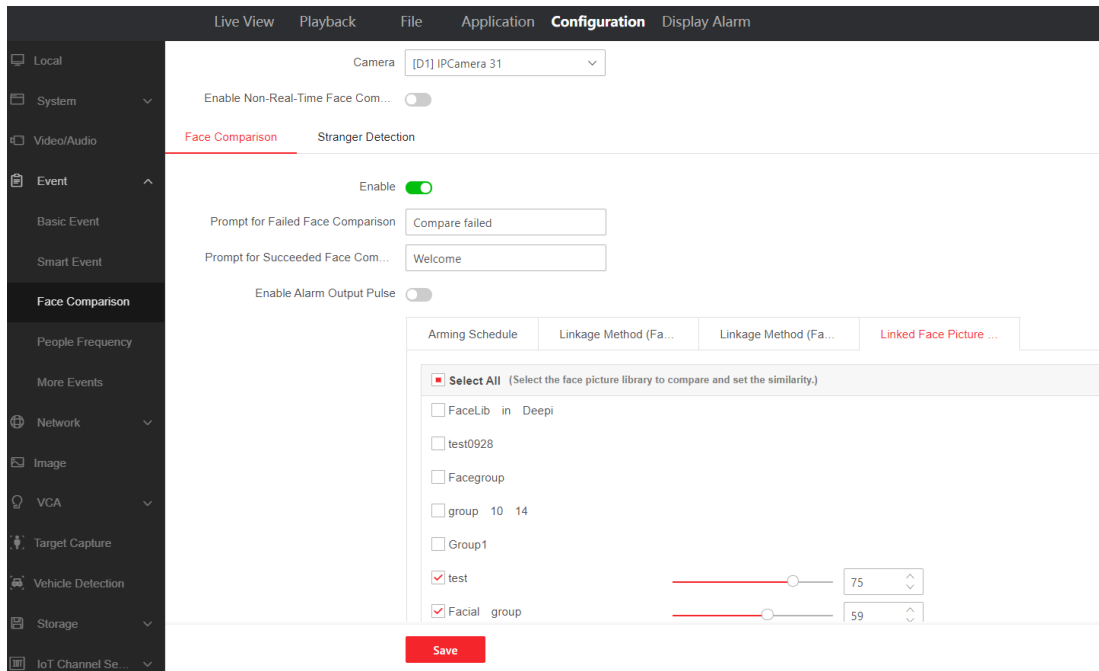


- b. Open “**Configuration**”—“**Event**”—“**Face Comparison**”, configure arming schedule, linkage method and linkage face database.

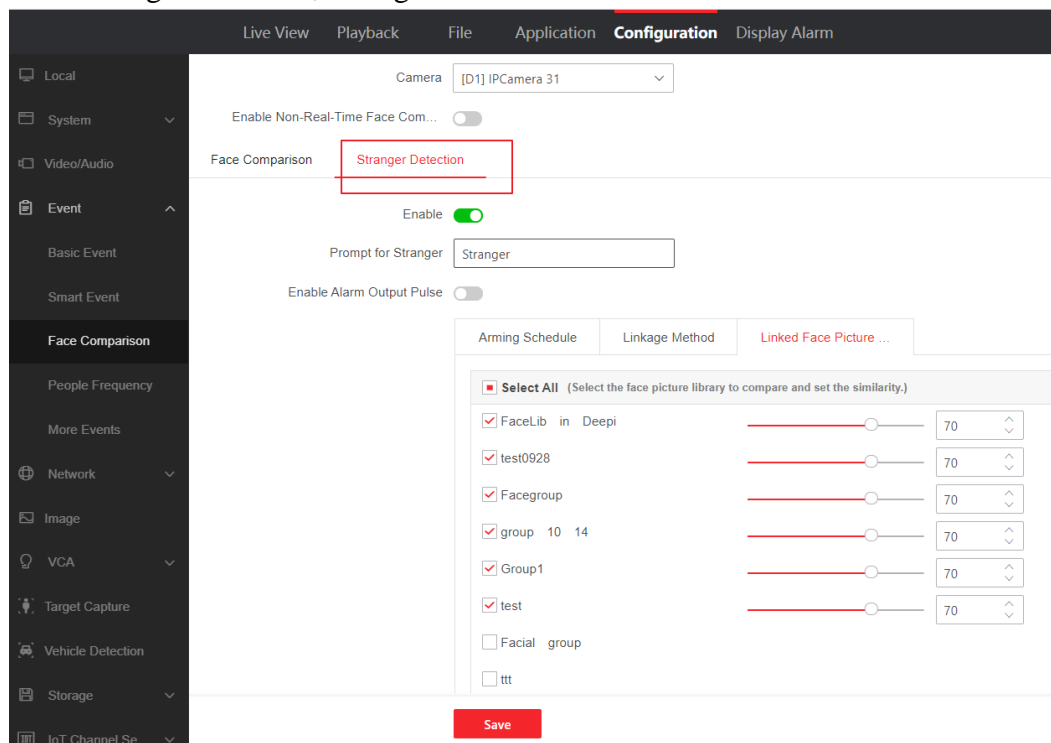
Note: Enable Non-Real-Time Face Comparison means that no comparison is made at present, and the comparison analysis will be made when the device engine resources are sufficient.



Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	8 of 3



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

Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	9 of 3

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.

The screenshot shows the configuration page for 'Frequently Appeared Person' in an NVR interface. The page is part of a 'Configuration' menu, with other options like 'Live View', 'Playback', 'File', 'Application', and 'Display Alarm' visible at the top. A sidebar on the left contains a navigation tree with categories like 'Local', 'System', 'Video/Audio', 'Event', 'People Frequency', and 'Face Picture Library'. The main content area is titled 'Frequently Appeared Person' and includes an 'Enable' toggle switch (currently turned on), three input fields for 'Capture Interval (minute(s))' (set to 1), 'Frequency Threshold(≥Time)' (set to 2), and 'Statistics Cycle(Day(s))' (set to 1). Below these fields are four tabs: 'Linked Channel', 'Linked Face Picture ...', 'Arming Schedule', and 'Linkage Method'. The 'Linked Channel' tab is active, showing a list of cameras with checkboxes: 'Select All', 'IPCamera 31', 'H7 Camera', '7777', 'IPCamera 01', 'IPdome 01', '111', and 'Camera 01'. The 'Save' button is located at the bottom right of the configuration area.

Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	10 of 3

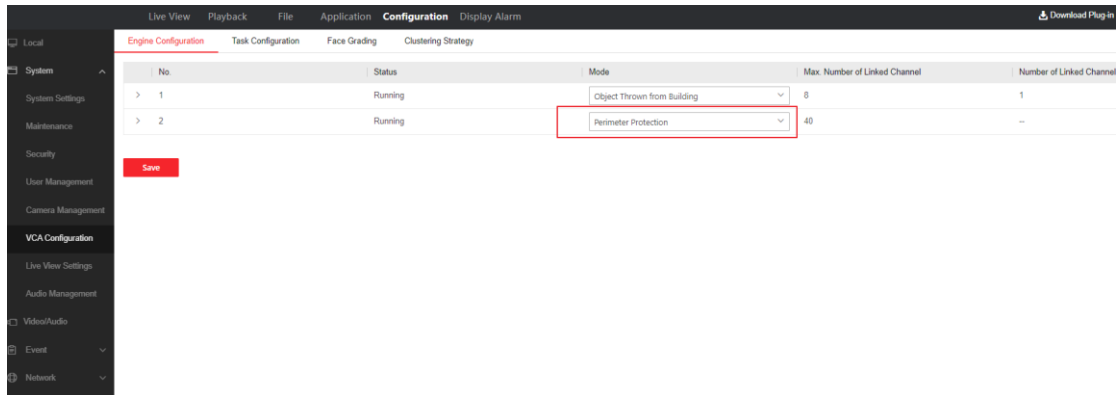
The screenshot shows the 'Frequently Appeared Person' configuration page. The 'Enable' toggle is turned on. The 'Capture Interval(min)' is set to 10, 'Frequency Threshold(≥Times)' is set to 1, and 'Statistics Cycle(day(s))' is set to 7. Below these settings are tabs for 'Linked Channel', 'Linked Face Picture ...', 'Arming Schedule', and 'Linkage Method'. The 'Linked Face Picture ...' tab is active, showing a list of channels with checkboxes: 'Strangers', '4', 'test2' (checked), and '66'. A 'Filter' dropdown menu is open, showing 'Alarm' selected. A 'Save' button is at the bottom left, and a copyright notice '©2022 Hikvision Digital Technology Co., Ltd. All Rights Reserved.' is at the bottom right.

The screenshot shows the 'Linkage Method' configuration page. The 'Enable' toggle is turned on. The 'Capture Interval (minute(s))' is set to 1, 'Frequency Threshold(≥Time)' is set to 2, and 'Statistics Cycle(Day(s))' is set to 1. Below these settings are tabs for 'Linked Channel', 'Linked Face Picture ...', 'Arming Schedule', and 'Linkage Method'. The 'Linkage Method' tab is active, showing three columns of options: 'Normal Linkage', 'Trigger Alarm Output', and 'Trigger Recording'. Under 'Normal Linkage', 'Notify Surveillance ...' is checked. Under 'Trigger Alarm Output', 'D16-> 1' is checked. Under 'Trigger Recording', 'D2', 'D16', and 'D27' are checked. A 'Save' button is at the bottom left.

Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	11 of 3

3. Perimeter protection configuration

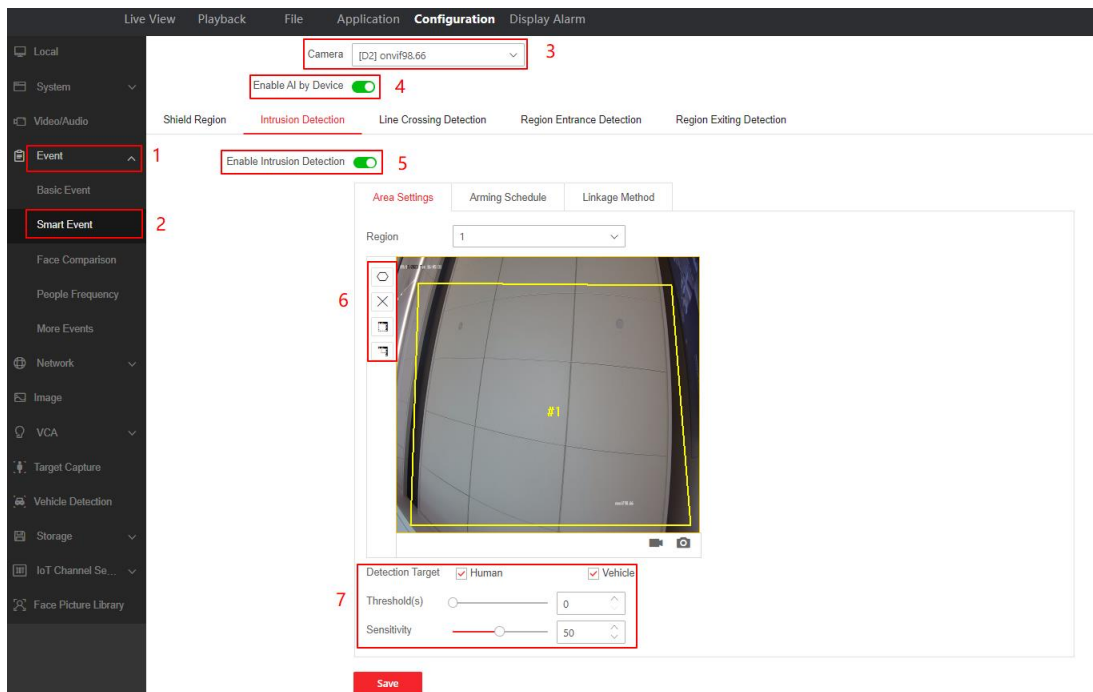
Switch engine to primeter protection



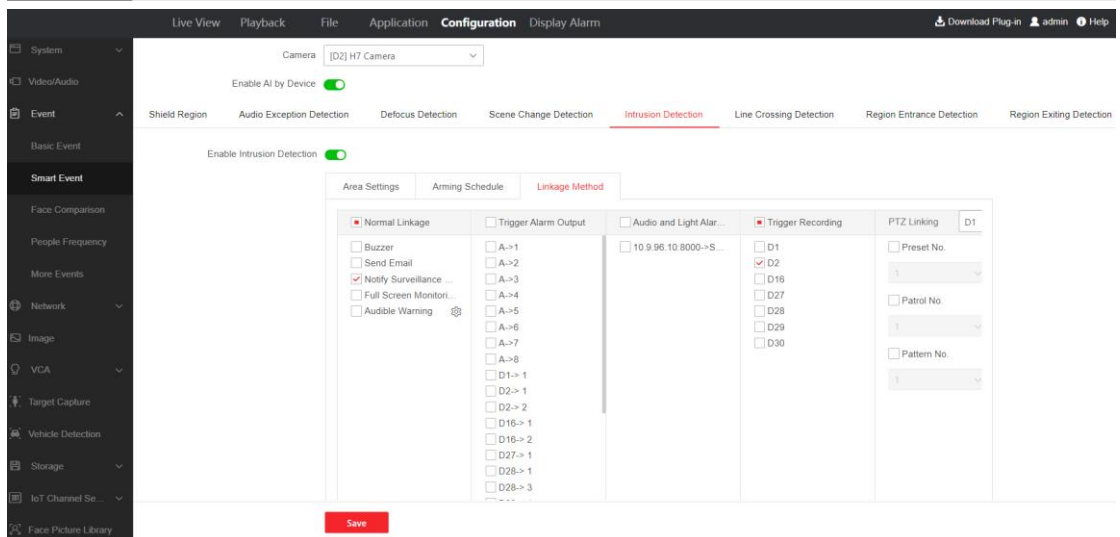
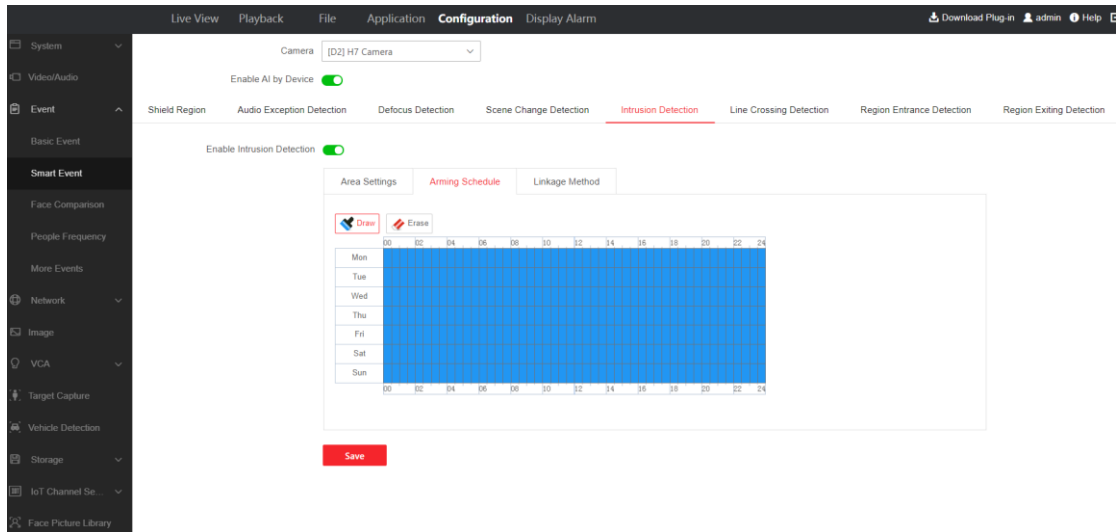
Open “Configuration”——“event”——“smart event”

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.



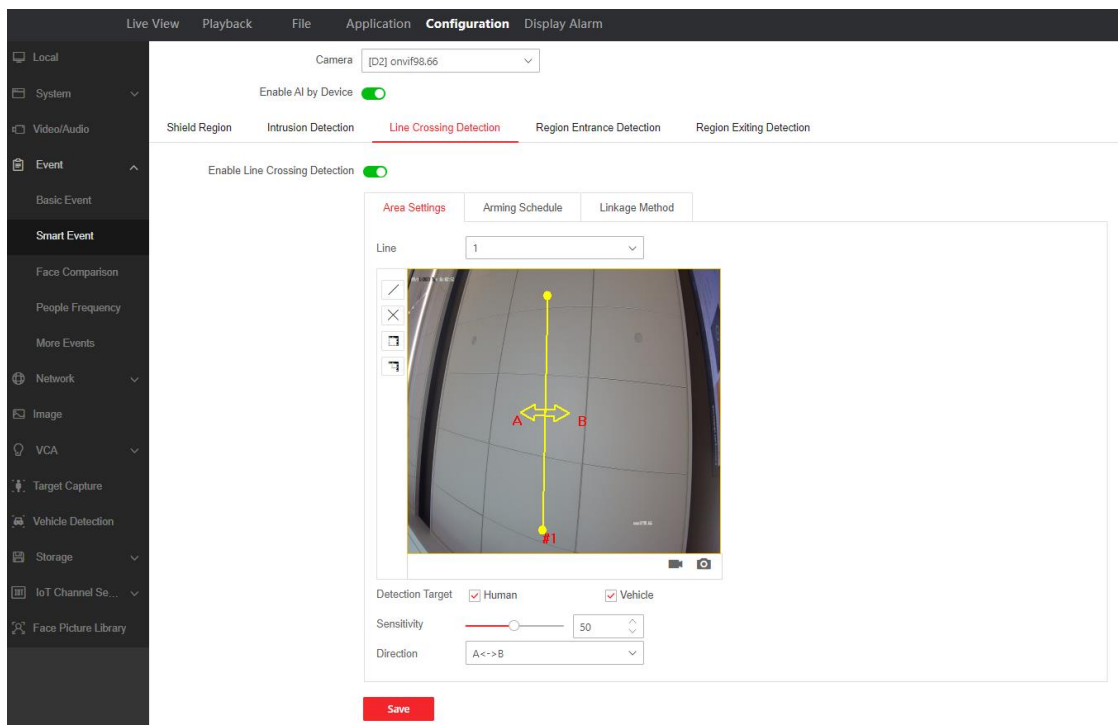
Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	12 of 3



2) Line Crossing Detection

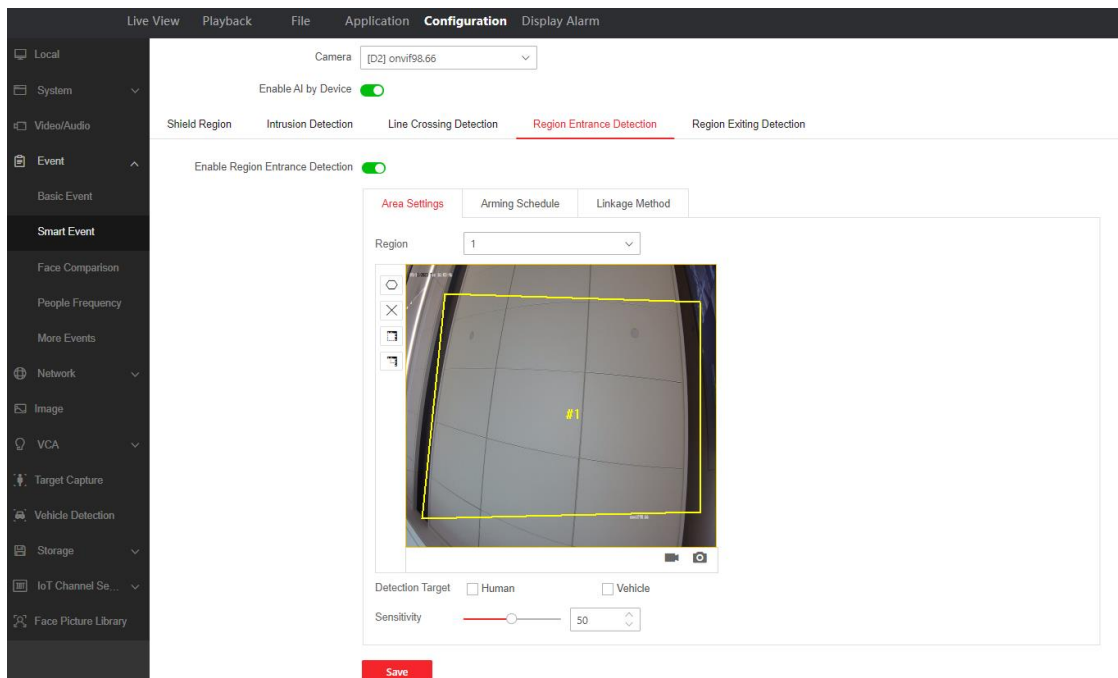
When crossing a regular line, an alarm will be triggered, and the direction of crossing the line can be set. The specific configuration is the same as above (intrusion detection).

Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	13 of 3



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.

Title:	How to configure VCA of the NVR	Version:	v1.0	Date:	11/09/2023
Product:	NVR			Page:	14 of 3

Refer to intrusion detection for specific configuration.

The screenshot shows the configuration page for 'Region Exiting Detection' in an NVR interface. The top navigation bar includes 'Live View', 'Playback', 'File', 'Application', 'Configuration', and 'Display Alarm'. The left sidebar lists various system settings like 'Local', 'System', 'Video/Audio', 'Event', 'Smart Event', 'Face Comparison', 'People Frequency', 'More Events', 'Network', 'Image', 'VCA', 'Target Capture', 'Vehicle Detection', 'Storage', 'IoT Channel Se...', and 'Face Picture Library'. The main configuration area is titled 'Configuration' and shows the camera selected as '[D2] onvif98.66'. The 'Enable AI by Device' toggle is turned on. Under the 'Region Exiting Detection' tab, the 'Enable Region Exiting Detection' toggle is also on. The configuration includes three sub-tabs: 'Area Settings', 'Arming Schedule', and 'Linkage Method'. The 'Area Settings' tab is active, showing a 'Region' dropdown set to '1'. A video preview window displays a yellow rectangular detection region labeled '#1' on a camera feed. Below the preview, the 'Detection Target' section has 'Human' checked and 'Vehicle' unchecked. The 'Sensitivity' is set to 50, indicated by a slider and a numeric input field. A red 'Save' button is located at the bottom of the configuration panel.



See Far, Go Further