

HIKVISION EUROPE

Monthly External Technical Newsletter

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September 2025

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Contributions and feedback

An informative and inspiring newsletter needs your continual contributions and feedback. Please feel free to submit your comments to product.eu@hikvision.com.

01 New Firmware / Software Release

Channel CCTV

DVR	DVR-208G-M1/T	V4.83.611 build 250708	• Fix known issues.
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Project IP

NVR	M Series DeepinMind NVR	V5.04.066_build250620	<ul style="list-style-type: none"> • Support to add 4G & non-4G Hikvision IP camera (non-solar models) whose support ISUP5.0 protocol; • Support configure arming/disarming schedules on HC, auto arm/silent arm/disarm each channel at specific time (hour:minute) ; • Support to add high frame rate IP camera via Hikvision protocol; • Support to add multi-channel IP cameras via POE, you can add the other channels under Video Device menu; • Support to attach 3 images for perimeter protection when choosing to send alarm email.
IPC	DeepinView7 Series Camera	V5.9.22 build 250820	<ul style="list-style-type: none"> • <i>Note: 75X6G2 models cannot upgrade to V5.9.22. If required, contact HQ technical support for the correct firmware. 75X7G2 models below V5.9.22 must upgrade an intermediate program before upgrading to V5.9.22 (contact HQ technical support). Downgrading is not supported once upgraded to V5.9.22. Compatible with all models released in V5.9.10, V5.9.20, and V5.9.21.</i> • Added support for 802.1x EAP-GTC and MSCHAP V2 protocols (EAP 1.2 supports max 32-bit key). • Common Criteria EAL3+ and EUCC certification supported. • NPQ supported (Network Performance Quality). • ShotN switching supported without reboot. • Added support for MQTTS (secure MQTT protocol). • Expanded ONVIF Profile & MQTT functionality. • Improved auto WDR effect for better image quality.

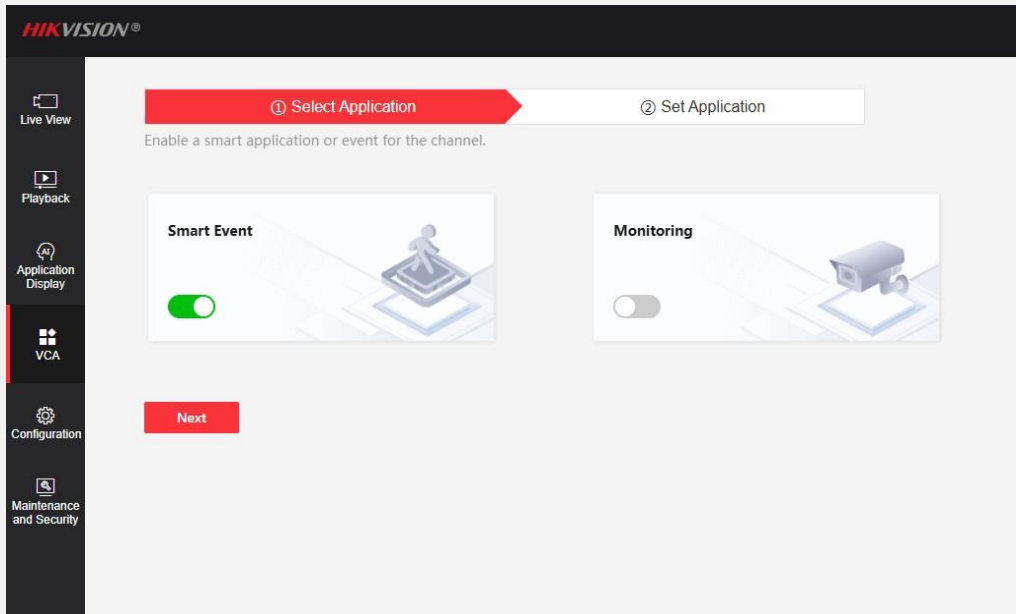
Note: Get the firmware via searching specific models in Hikvision official websites (Global or EU).

02 Product How to

Configuration Guide for Perimeter Protection with Tri-lens Camera

Switch VCA Resource

Enter [VCA]-[①VCA], select the [Smart Event], Then Click “Next”, switch the to Smart Event mode.



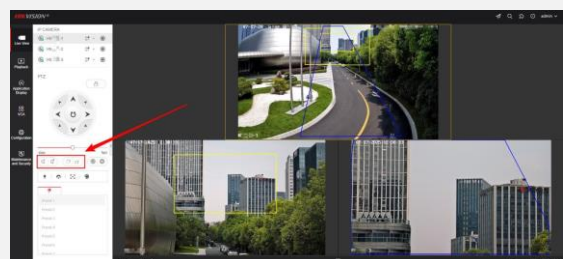
Adjust Camera Image

Camera supports Motorized Variable focal Lens, we can zoom and focus on camera web interface.

Step 1

Enter Live View page, click Up and Down to adjust depression angle, click zoom + and zoom – on PTZ control interface, to ensure that can see the whole body (from head to toe) and their movements path in the video, the pixels are meet below requirement.

Resolution	Target	Pixels
4MP	Body	Head and shoulder width ≥ 15 Pixels
	Vehicle	Target width ≥ 40 Pixels



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Configuration Guide for Perimeter Protection with Tri-lens Camera

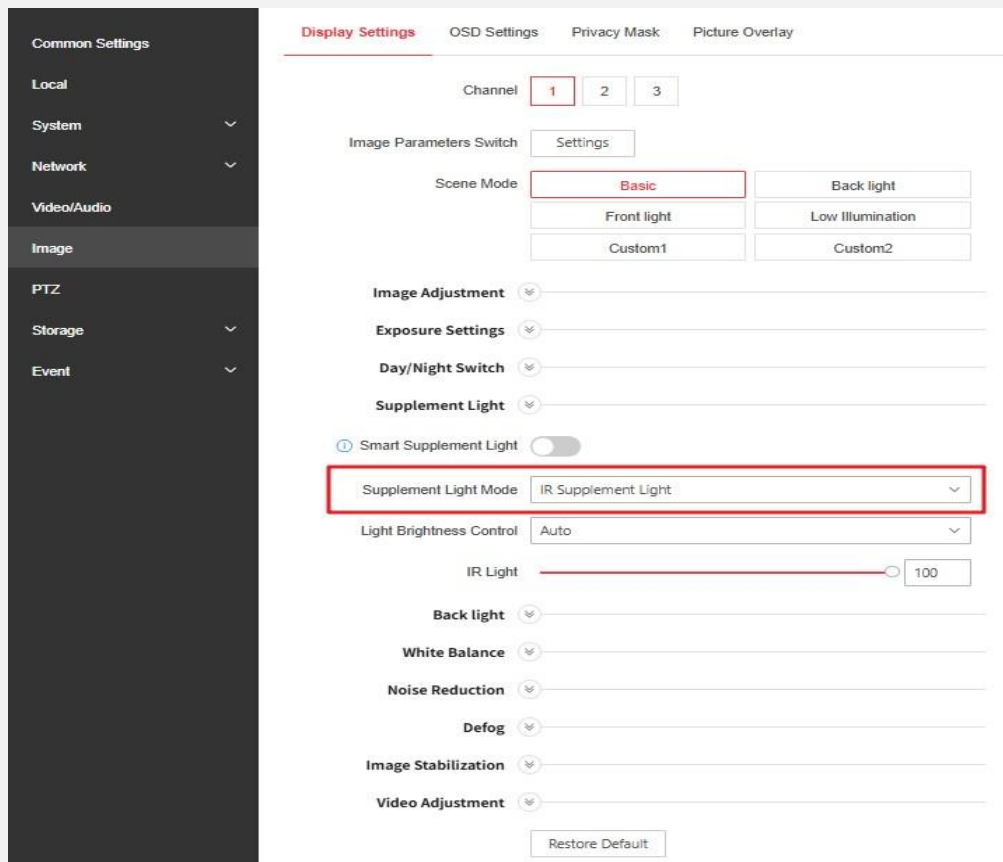
Step 2

The pixel value of target height can be measured through the pixel calculator in the web interface.



Step 3

In the General Scene, it is recommended to adjust the supplement light mode to IR Supplement Light, which can achieve the farthest recognition distance at night.

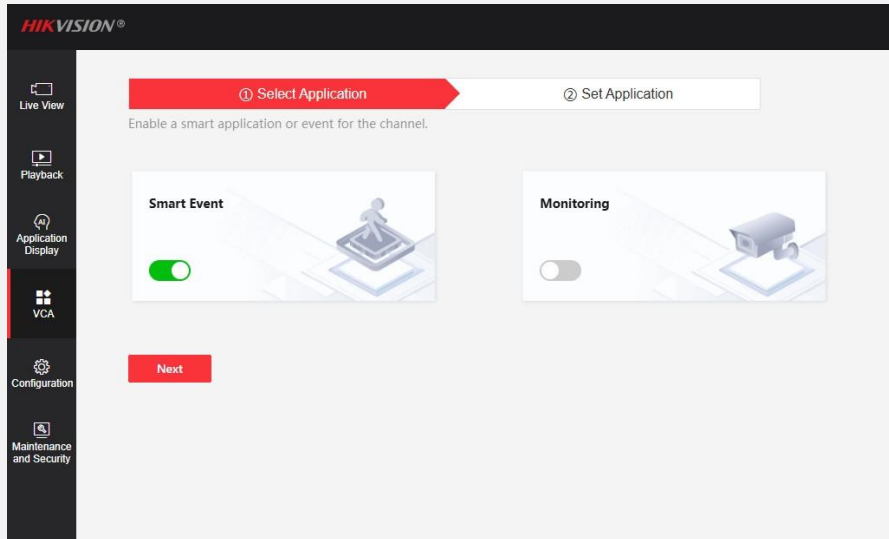


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Rule Configuration

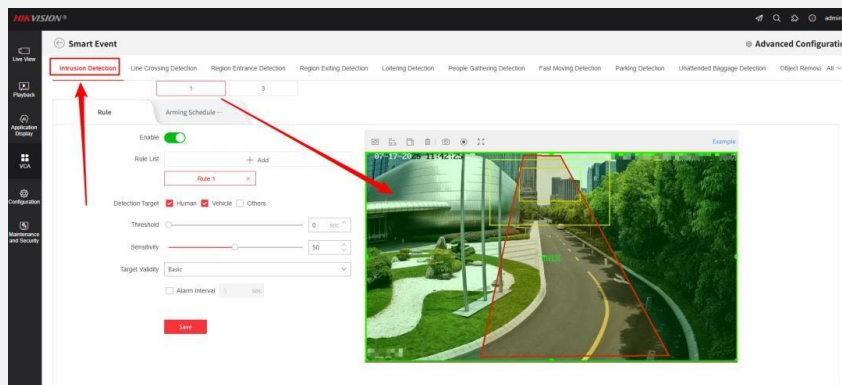
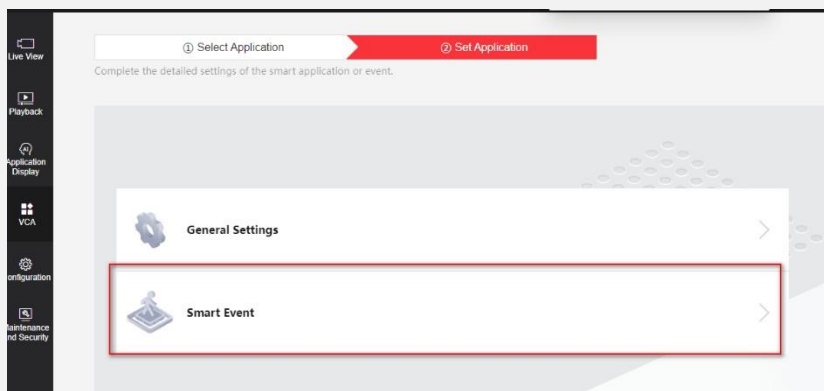
Change VCA Resource: VCA---Select Application---enable Smart Event--- Click Next. Device will reboot to take the setting effect.



Set Rules

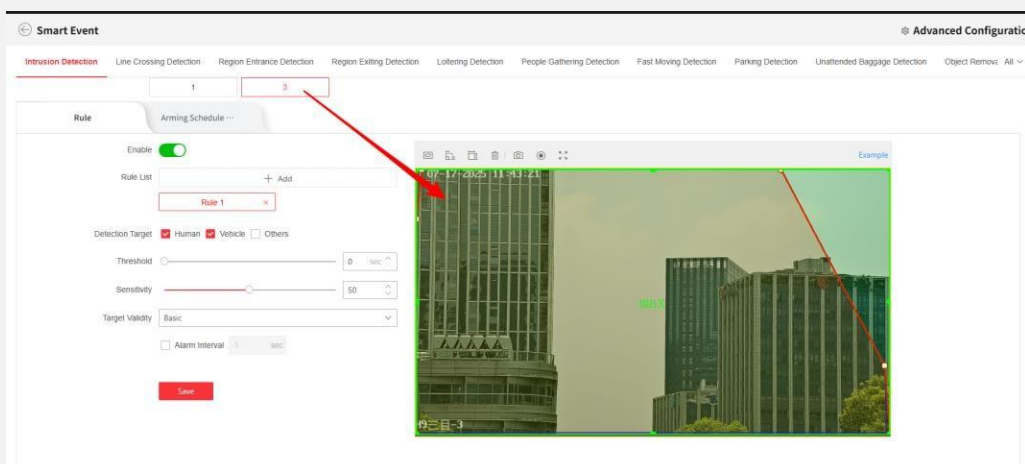
Here we take intrusion and line crossing detection as an example.

Set Intrusion Detection rule: Click Smart Event tab and click Intrusion Detection.



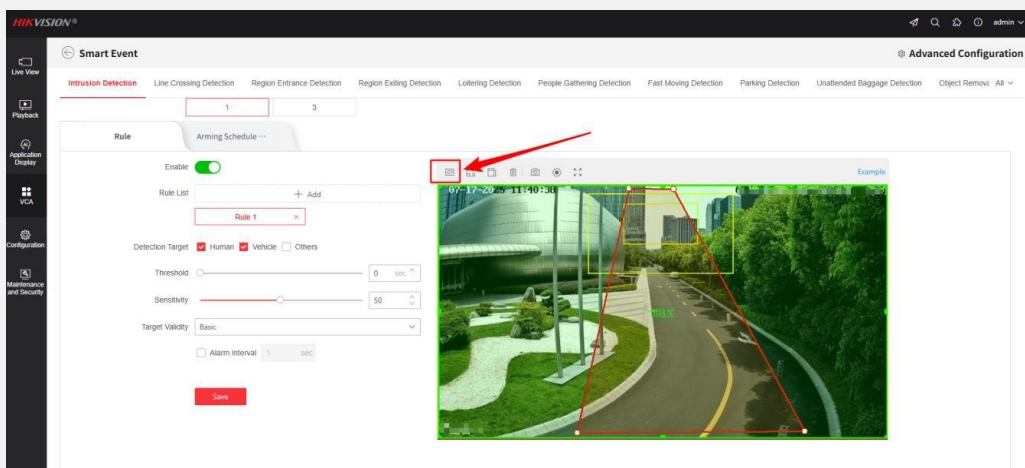
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Configuration Guide for Perimeter Protection with Tri-lens Camera



Check Enable to enable the function.

Click Add to add a new rule and click to start drawing. Click on the live video to specify the vertexes of the detection region, and right click to complete drawing



Set the Max. Size and Min. Size for valid targets.

Min.Size means that the minimum size of a valid target. Targets with smaller sizes would not trigger detection.

Max.Size means that the maximum size of a valid target. Targets with larger sizes would not trigger detection.

Select Detection Target. Human ,Vehicle and Others are selectable.

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Configuration Guide for Perimeter Protection with Tri-lens Camera

The screenshot shows the 'Rule' configuration page with the following settings:

- Enable:** (Toggle is green)
- Rule List:** + Add, Rule 1 (with close icon)
- Detection Target:** Human, Vehicle, Others
- Threshold:** Slider set to 0, unit: sec
- Sensitivity:** Slider set to 50, unit: %
- Target Validity:** Basic (dropdown menu)
- Alarm Interval:** Alarm Interval, 5 sec
- Save:** Red button at the bottom

Set the time threshold and detection sensitivity for intrusion detection.

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

Sensitivity: Range [1-100]. Sensitivity stands for the percentage of the body part of an acceptable target that enters the pre-defined region.

Example: If you set the value as 60, the action can be counted as an intrusion only when 40 percent body part enters the region.

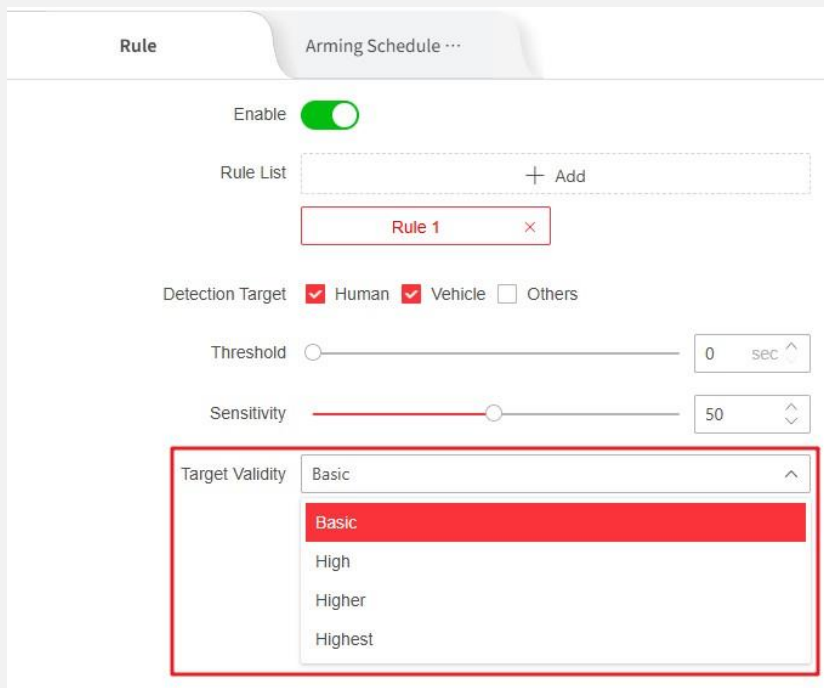
This screenshot is identical to the previous one, but a red rectangular box highlights the 'Threshold' and 'Sensitivity' settings, indicating they are the focus of the subsequent text.

Set the Target Validity: If you set a higher validity, the required target features should be more obvious, and the alarm accuracy would be higher.

The target with less obvious features would be missed.

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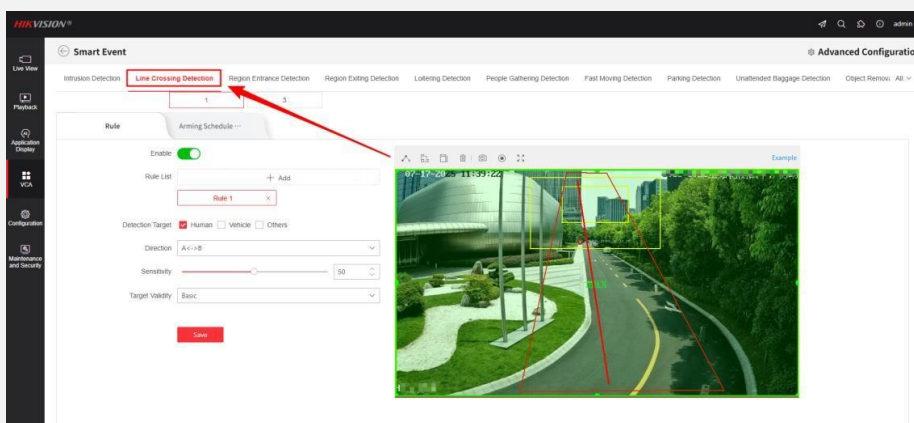


Alarm interval: if the alarm is too frequent, you can set an interval time, during which there will only be one alarm.

Click Save to finish the settings

Set Line Crossing Detection rule.

Click Smart Event tab and click Line Crossing Detection.

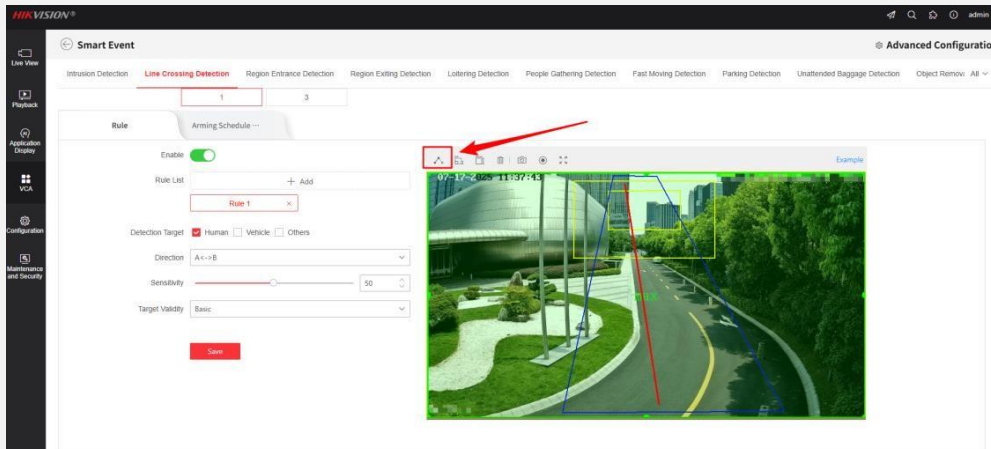


Check Enable to enable the function.

Click Add to add a new rule. Click and a line will displayed on the live image. You can locate it on the live video as desired. Click on the line, two red squares are displayed on each end, and you can drag each squares to define the shape and length of the line.

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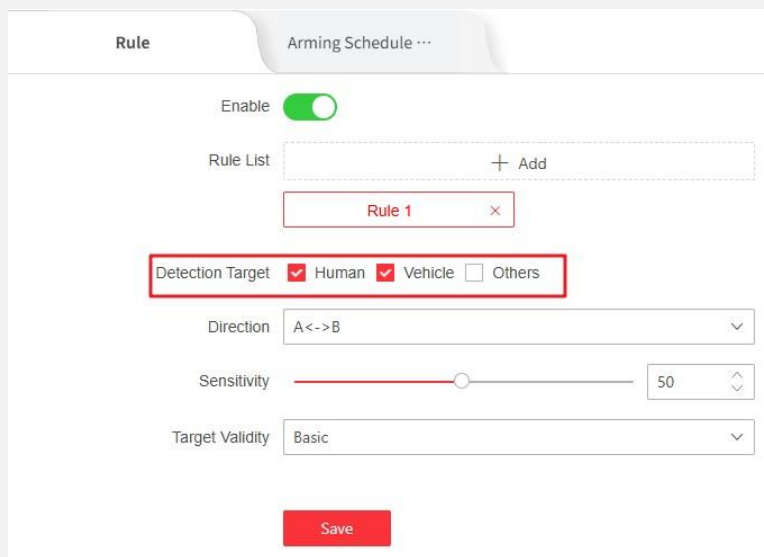


Set the Max. Size and Min. Size for valid targets.

Min.Size means that the minimum size of a valid target. Targets with smaller sizes would not trigger detection.

Max.Size means that the maximum size of a valid target. Targets with larger sizes would not trigger detection.

Select Detection Target. Human, Vehicle and Others are selectable.



Select the direction for line crossing detection. For example, A->B means only object crossing the line from A side to B side can be detected. A<->B means object crossing the line from both A side to B side and B side to A side can be detected.

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Configuration Guide for Perimeter Protection with Tri-lens Camera

The screenshot shows the 'Rule' configuration page with the 'Arming Schedule' tab selected. The 'Enable' toggle is turned on. The 'Rule List' contains 'Rule 1'. Under 'Detection Target', 'Human' and 'Vehicle' are checked. The 'Direction' is set to 'A<->B'. The 'Sensitivity' dropdown menu is open, showing options: 'A<->B' (highlighted in red), 'A->B', and 'B->A'. The 'Target Validity' is set to 'Basic'. A 'Save' button is at the bottom.

Set the detection sensitivity.

Sensitivity: Range [1-100]. Sensitivity stands for the percentage of the body part of an acceptable target that enters the pre-defined region.

Example: If you set the value as 60, the action can be counted as an intrusion only when 40 percent body part enters the region.

The screenshot shows the 'Rule' configuration page with the 'Arming Schedule' tab selected. The 'Enable' toggle is turned on. The 'Rule List' contains 'Rule 1'. Under 'Detection Target', 'Human' and 'Vehicle' are checked. The 'Direction' is set to 'A<->B'. The 'Sensitivity' slider is set to 50. The 'Target Validity' is set to 'Basic'. A 'Save' button is at the bottom.

Set the Target Validity: If you set a higher validity, the required target features should be more obvious, and the alarm accuracy would be higher. The target with less obvious features would be missed.

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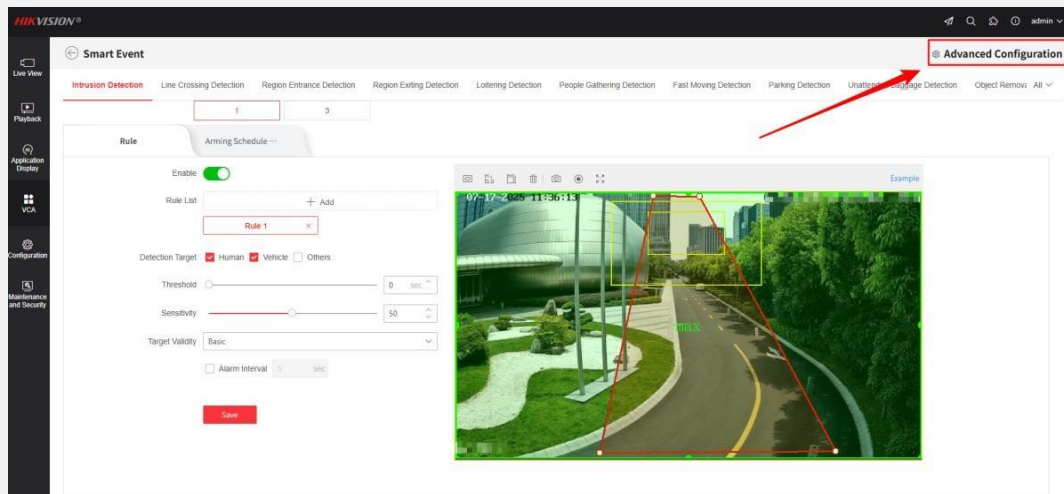
Configuration Guide for Perimeter Protection with Tri-lens Camera

The screenshot shows the 'Rule' configuration page for 'Arming Schedule'. The 'Enable' toggle is turned on. The 'Rule List' contains 'Rule 1'. The 'Detection Target' is set to 'Human' and 'Vehicle'. The 'Direction' is 'A<->B'. The 'Sensitivity' is set to 50. The 'Target Validity' dropdown menu is open, showing options: Basic, High, Higher, and Highest. The 'Basic' option is highlighted in red.

Click Save to finish the settings

Advanced Configuration

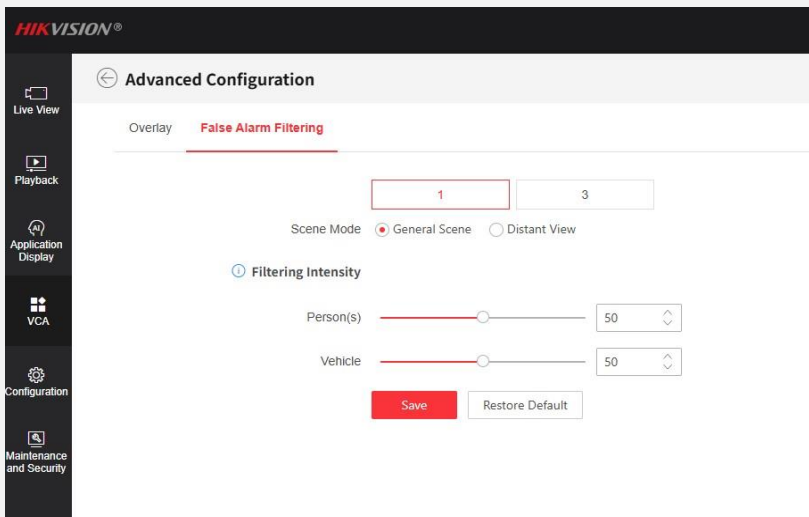
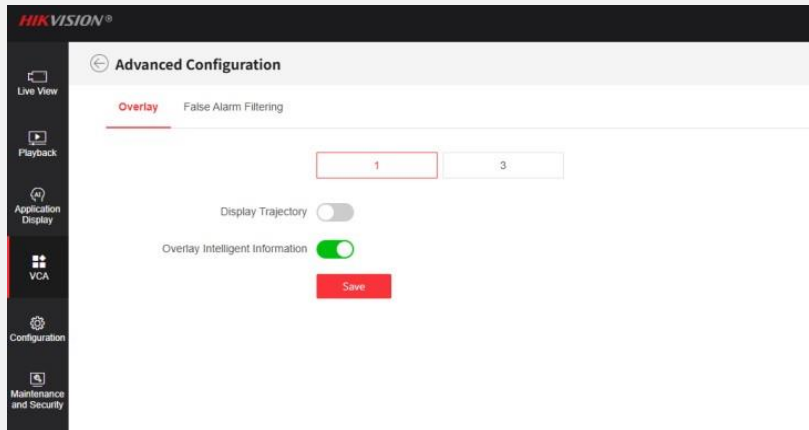
Enter Advanced Configuration



In Advanced Configuration, you can select overlay intelligent information in stream, and switch the detection mode to 'General Scene' or 'Distant View'

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General Scene - Suitable for common monitoring environments such as walls, campuses, courtyards, etc.

Distant View - Suitable for long-distance monitoring scenarios, such as high-altitude aerial environments.

Filtering Intensity

This threshold can be configured according to the actual environment.

A higher value can effectively reduce false alarms, but may increase missed alarms. Please set it and check the effect according to the actual situation.

03 Product Q&A

Question 1 - Can pStor 2.0 be installed together with Hcp?

Answer:

It is recommended that pStor use a separate server to avoid resource conflicts with the HCP.

Question 2 – pStor Version 1x does not recommend virtual machine deployment. Does version 2.0 remove restrictions on virtual machines?

Answer:

pStor can support virtual machine deployment, but the storage performance is lower than that of physical machines, Therefore, it is recommended to provide virtual machine resources that are 20% higher than those of physical machines.

Question 3 - How many pStor Clusters does one Hcp support?

Answer:

A maximum of 64 pStor clusters.

04 Survey

An informative and inspiring newsletter needs your continual contributions and feedback, please feel free to submit your comments in this survey by clicking the link or scanning QR code: <https://www.surveymonkey.com/r/8GFLXDZ>

It will take you 2 minutes to complete. Thanks for your time in advance.

Hikvision Europe Monthly External Technical Newsletter Survey

