

How to setup Hikvision Intrusion Detection

Purpose: Intrusion detection function detects people, vehicle or other objects which enter and loiter in a pre-defined virtual region, and some certain actions can be taken when the alarm is triggered.

Note: Intrusion detection function varies according to different camera models.

1. Enter the Intrusion Detection settings interface, **Configuration> Event > Smart Event > Intrusion Detection**.

2. Select the Camera No.



3. Check the checkbox of **Enable** to enable the function.

4. Select a region number from the drop-down list of **Region**.

Region: A pre-defined vertexes area on the live view image. Targets, such as, people, vehicle or other objects, who enter and loiter in the region will be detected and trigger the set alarm.

5. Click **Area Settings** tab and click **Draw Area** button to start the region drawing.

6. Click on the live video to specify the four vertexes of the detection region, and right click to complete drawing.

7. Set the Max. Size and Min. Size for valid targets. Targets smaller or larger than the valid target size are not able to trigger detection.

Max. Size: The maximum size of a valid target. Targets with larger sizes would not trigger detection.

Min. Size: The minimum size of a valid target. Targets with smaller sizes would not trigger detection.

8. Click **Stop Drawing** when finish drawing.

9. Set the time threshold for intrusion detection.

Threshold: Range [0s-10s], 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.

10. Drag the slider to set the sensitivity value.

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

$$\text{Sensitivity} = 100 - S1/ST*100$$

S1 stands for the target body part that goes across the pre-defined region. ST stands for the complete target body.

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.

Note: The Sensitivity of the detection is supported by certain models. Refer to actual display for details.

11. Repeat the above steps to configure other regions. Up to 4 regions can be set.

You can click the **Clear** button to clear all pre-defined regions.

12. Click **Arming Schedule** to set the arming schedule.

13. Click **Linkage Method** to select the linkage methods for intrusion detection, including Notify Surveillance Center, Send Email, Upload to FTP/Memory Card/NAS, Trigger Channel and Trigger Alarm Output.

14. Click **Save** to save the settings.