

## How to Setup Hikvision Motion Detection

Hikvision has separated motion detection recording into two halves – 1) events, and 2) actions triggered by those events. You activate and configure the events first, and then setup the actions the camera should take including recording.

### Enable Dynamic Analysis for Motion

If you want the recorded video to show the areas that triggered the motion detection event, tick this checkbox. I do not use this feature as it is fairly pointless.

### STEP 1: Area Settings Tab

The screenshot shows the Hikvision web interface for configuring motion detection. On the left is a sidebar menu with categories: Local, System, Network, Video/Audio, Image, and Event. Under the 'Event' category, 'Basic Event' is selected, with sub-options for 'Smart Event' and 'Storage'. The main content area is titled 'Motion Detection' and includes tabs for 'Video Tampering', 'Alarm Input', 'Alarm Output', and 'Exception'. The 'Motion Detection' tab is active, showing options to 'Enable Motion Detection' (checked) and 'Enable Dynamic Analysis for Motion' (unchecked). Below these are three sub-tabs: 'Area Settings' (active), 'Arming Schedule', and 'Linkage Method'. The 'Area Settings' sub-tab shows a 'Configuration' dropdown set to 'Normal'. A live video feed from the 'FrontDoor' camera is displayed, showing a yard with a brick wall and a 'VueVille' watermark. At the bottom of the video feed are buttons for 'Draw Area' and 'Clear All', and a 'Sensitivity' slider set to 0. The video feed also displays the timestamp '05-07-2018 18:48:08'.

Don't forget to press the Save button before moving to the next step.

## Hikvision Motion Detection Sensitivity

In my experience, you need a lower sensitivity percentage setting during the day time. I suggest 20% as a starting point. For night-time, increase the sensitivity so that movement in the shadows is not missed. I suggest 50% as a starting point for the night setting.

## Hikvision Motion Detection Percentage

As I mentioned earlier, what Hikvision calls the 'percentage' setting actually means 'how big should the object be to trigger the motion detection event'. It is calculated as the area covered by the object in the video frame divided by the total area of the video frame. This is why it is expressed as a % from 0 to 100, and also why Hikvision rather calls this setting 'percentage'.

## STEP 2: Arming Schedule

The screenshot shows the Hikvision web interface for configuring motion detection. On the left is a sidebar menu with options: Local, System, Network, Video/Audio, Image, Event, Basic Event (selected), Smart Event, and Storage. The main panel has tabs for Motion Detection, Video Tampering, Alarm Input, Alarm Output, and Exception. Under Motion Detection, there are checkboxes for 'Enable Motion Detection' (checked) and 'Enable Dynamic Analysis for Motion' (unchecked). Below these are three sub-tabs: Area Settings, Arming Schedule (selected), and Linkage Method. The Arming Schedule section shows a 7-day grid (Mon-Sun) with a time scale from 0 to 24 hours. Each day has a blue bar indicating the arming schedule, which covers the entire 24-hour period. Above the grid are buttons for 'Delete' and 'Delete All'. At the bottom right is a red 'Save' button. A 'VueVille' watermark is visible in the center of the grid.

Day	Arming Schedule (Hours)
Mon	0 - 24
Tue	0 - 24
Wed	0 - 24
Thu	0 - 24
Fri	0 - 24
Sat	0 - 24
Sun	0 - 24

When you save the settings in step 1, the arming schedule should be automatically created for you. You can set it to be 'armed' during particular times of the day or night if you wish.

### STEP 3: Linkage Method

Normal Linkage	Trigger Alarm Output	Trigger Channel
<input type="checkbox"/> Send Email	<input checked="" type="checkbox"/> A->1	<input checked="" type="checkbox"/> A1
<input checked="" type="checkbox"/> Notify Surveillance Center		
<input type="checkbox"/> Upload to FTP		

Please see the guide on the link below on how to allow notification on the Hik-Connect App

<https://traderswarehouse.freshdesk.com/en/support/solutions/articles/43000600878-hik-connect-android-mobile-client-enable-alarm-notification>