

Integration Guide AXIS Camera Station and Citilog SmartTraffic-AID application

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Please note that AXIS does not take any responsibility for how this configuration may affect your system. If the modification fails or if you get other unexpected results, you may have to restore the factory default settings as described in the User's manual.

Introduction

Citilog SmartTraffic-AID is a video detection application supporting the full range of road traffic incident detections (stop vehicle, wrong-way, slow vehicle, congestion, debris, pedestrians, smoke) as well as traffic data collection (classified flow, speed, occupancy). The SmartTraffic-AID is the most complete application for traffic management on freeways, bridges, tunnels.... Upon detection, the application creates an alarm and a video clip of the event, thus increasing the efficiency of the Video-Surveillance system.

Beside of SmartTraffic-AID, Citilog proposes also the single application such as SmartTraffic-i for stopped vehicle detection and SmartTraffic-ww for wrong-way detection.

More information is available on Citilog web site:

[Citilog Automatic Incident Detection - SmartTraffic-AID](#)

[Citilog Automatic Incident Detection - SmartTraffic-i](#)

[Citilog Automatic Wrong Way Detection - SmartTraffic-ww](#)

In the aims of using the Axis Camera Station is to centralize all cameras system information and also incident alarms in one place, SmartTraffic applications are developed in the way to be integrated easily the alarm into Axis Camera Station Event system. Once the incident occurs, an alarm will be raised in ACS to alert the operator and a video clip will be recorded.

The following document highlights how to integrate Citilog SmartTraffic-AID application with Axis Camera Station's event system. By extension it also applies for Citilog SmartTraffic-i and Citilog SmartTraffic-ww applications.

The document explains how to:

- *Configure an AXIS Camera Station rule to trigger an incident.*
- *Verify that the configuration is done correctly.*

This following configuration has been tested with the following products and firmware:

Citilog SmartTraffic-AID V2.0R2E15 on Axis Q1635 firmware 6.30.1.3 and AXIS Camera Station 5.10.005

Notes:

- This guide assumes that Citilog SmartTraffic-AID app has been installed and configured.

Step 1 – Installation and Configuration

Install the SmartTraffic-AID and license key into the Axis Camera or encoder. Configure the Citilog SmartTraffic-AID app. For help with the installation and configuration of Citilog SmartTraffic-AID app, please refer to the [Citilog SmartCam-Software installation Manual](#).

Step 2 – Add the camera to AXIS Camera Station

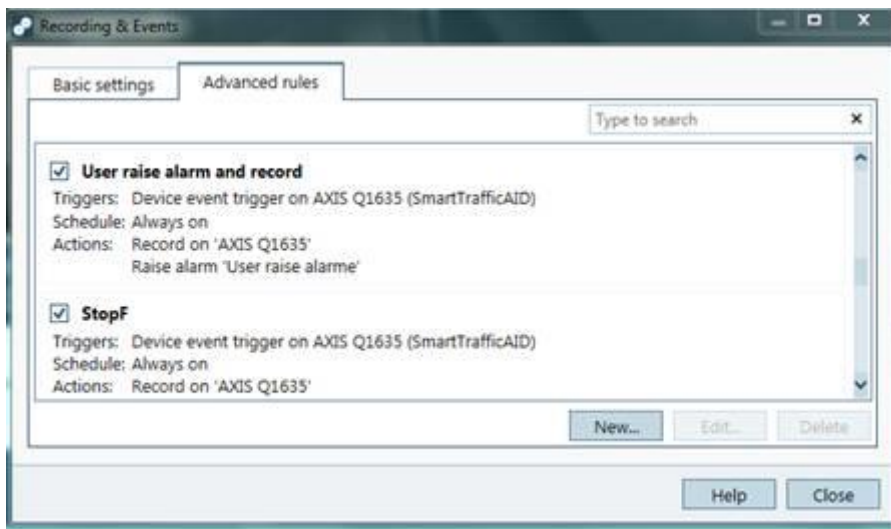
Add the camera to AXIS Camera Station.

When the camera is added to Axis Camera Station, some ACAPs may be installed and run automatically inside the camera (for ex: Axis Video Motion Detection ACAP, Axis Video Content Stream ACAP, etc.). In this case, please go to camera's web interface/Setup/Applications, and remove all these ACAPs.

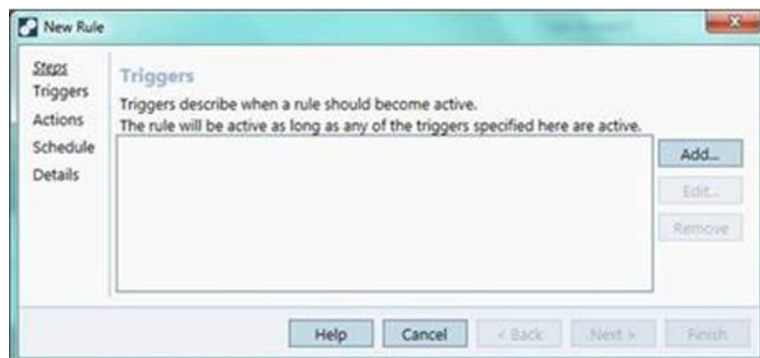
Note: This means motion detection won't be available on the camera in AXIS Camera Station. Also the option "Include analytics data for Smart Search" in "Edit Video & Audio Settings" under advanced section shouldn't be enabled (disabled by default) for the camera.

Step 3 – Configure a Device Event trigger

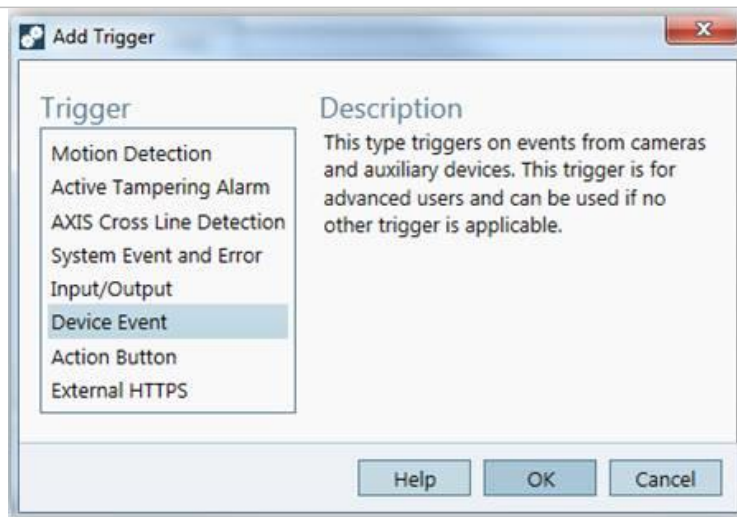
1. Go to **Configuration > Recording & Events** and open the **Advanced rules** tab. Click on **"New..."**



2. Create a new rule by clicking on **"Add..."**:



Choose **"Device Event"** trigger:

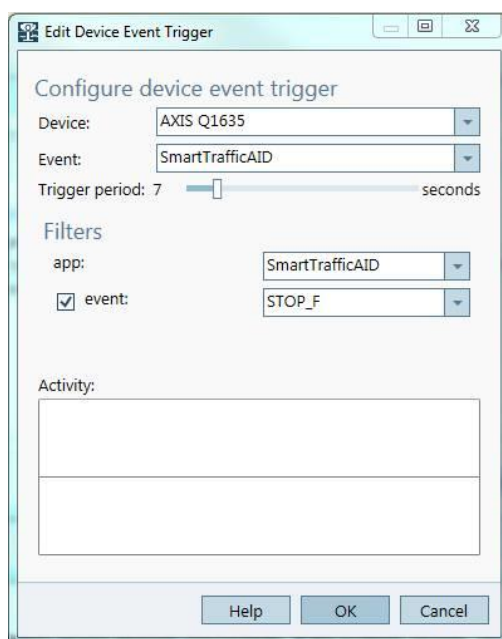


In the “**Configure device event trigger**” field:

- Select the camera.
- Select “SmartTrafficAID” app in the Event list
- Select the Trigger period (in seconds)

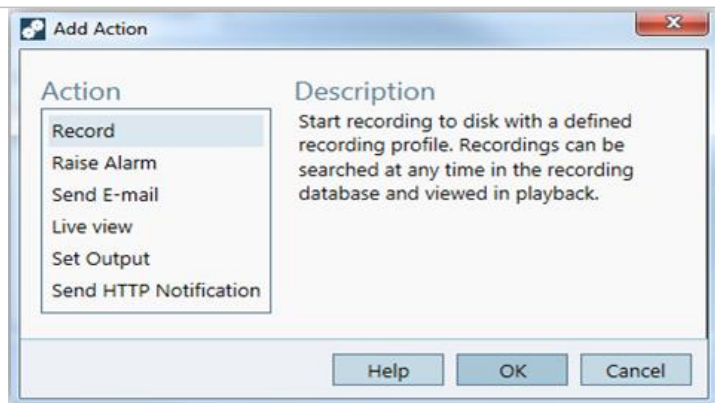
In the “**Filters**” field:

- Select app: “SmartTrafficAID”
- Check in “event”
- Select the incident type. For ex: StopF.



Click **OK** and **Next** to configure the Action(s).

In the **Add Action** dialog, you can add one or several actions for the rule.



In this case we add a Recording action as well as raise alarm:

Add an action “Record”:

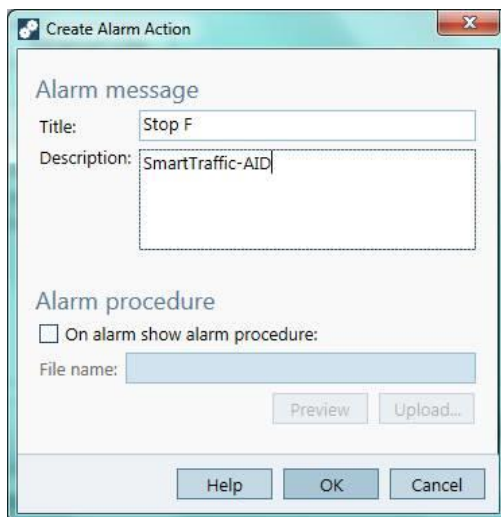
- Select the camera name
- In the video setting: select the profile, set the Prebuffer and Postbuffer time (in seconds).
- Click OK.



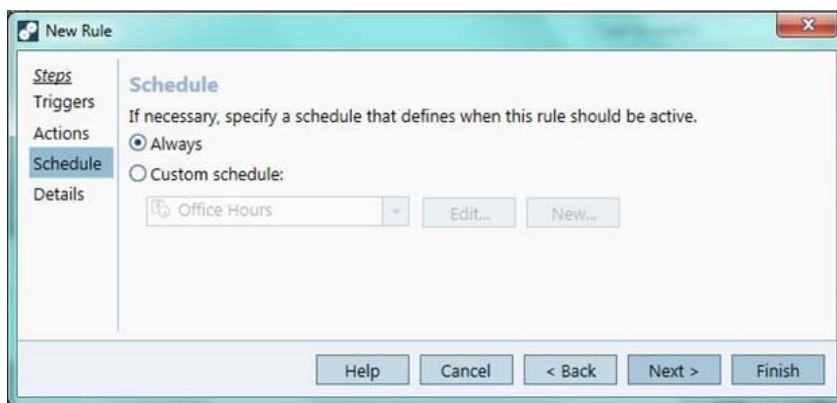
Add an action “Raise alarm”:

- Click on button “Add...”
- Alarm message: enter the title of alarm, the description.

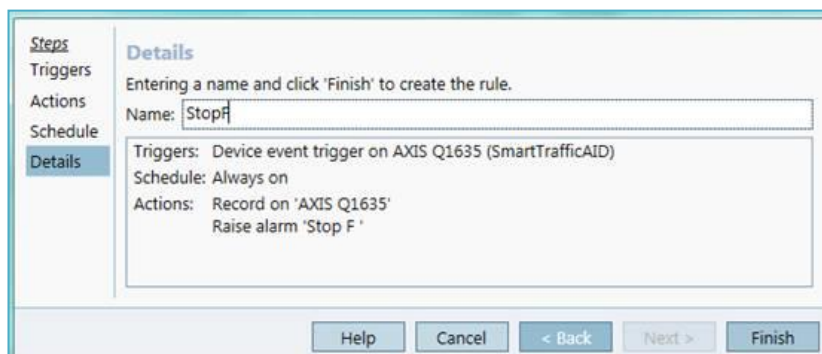
Click “OK” and click “Next”



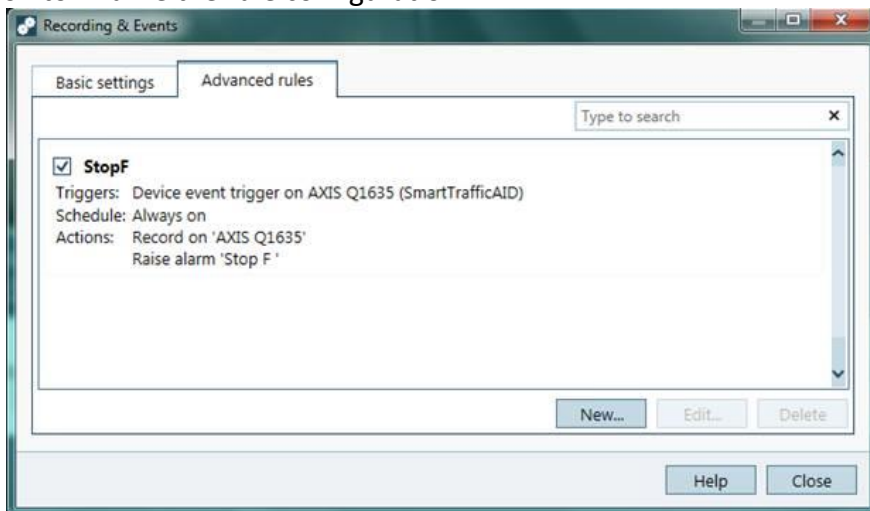
Schedule: select Always or Custom schedule.



Click on “**Next**” to see the details of the new rule. Enter the name of this rule.



Click **Finish** to finalize the rule configuration.

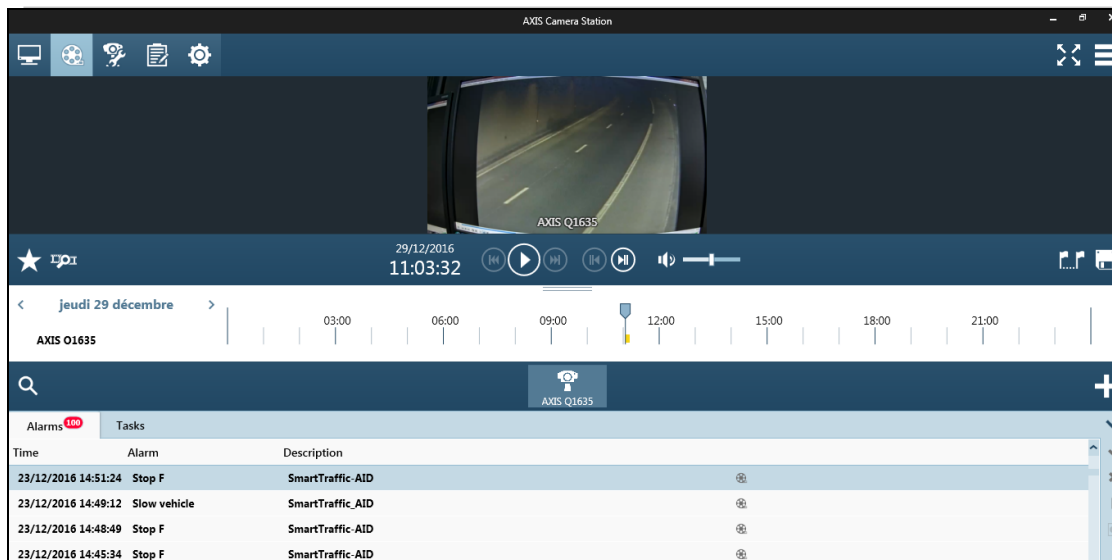


Note: For SmartTraffic-AID, it should create one rule per one incident type.

Step 4 – Configuration validation

Make sure the configuration is done according to the system specifications by simulating an incident or testing the user alarm.

In our case the recording was started and the alarm raised.



The screenshot displays the AXIS Camera Station software interface. At the top, there's a navigation bar with icons for camera, settings, and other functions. The main area shows a live video feed from camera AXIS Q1635, depicting a road scene. Below the video, a timeline for December 29, 2016, is visible, with a play button and volume controls. A search bar and a filter icon are also present. At the bottom, the 'Alarms' tab is active, showing a list of incidents for camera Q1635.

Time	Alarm	Description
23/12/2016 14:51:24	Stop F	SmartTraffic-AID
23/12/2016 14:49:12	Slow vehicle	SmartTraffic-AID
23/12/2016 14:48:49	Stop F	SmartTraffic-AID
23/12/2016 14:45:34	Stop F	SmartTraffic-AID

Example of Incident alarm of Q1635