HOW TO.

Integrate AXIS D4100-E Network Strobe Siren in AXIS Camera Station Edge

AXIS
COMMUNICATIONS

Use case

This document describes the configuration needed to trigger AXIS D4100-E Strobe siren in an AXIS Camera Station Edge system.

In this example, we will describe how to start and stop the AXIS D4100-E using Custom actions in AXIS Camera Station Edge.

This is configured using HTTP Post commands in the camera's action engine which will then send the commands to AXIS D4100-E.
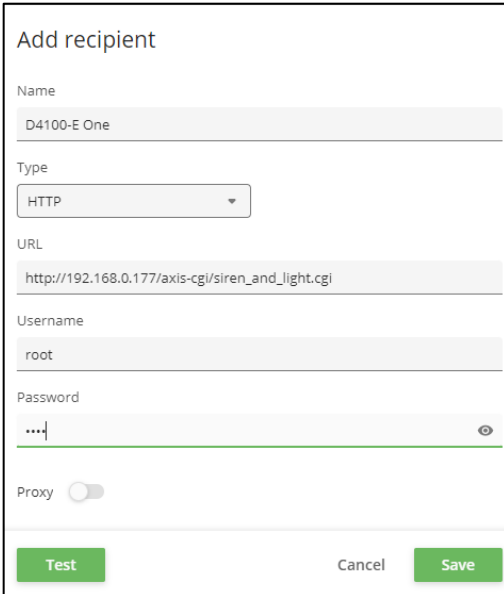
Prerequisites

- AXIS D4100-E & Axis camera with firmware 10.8 or above connected and installed in AXIS Camera Station Edge

- Profile configured in the AXIS D4100-E with the required siren/strobe settings.

- Maintenance mode disabled in AXIS D4100-E

Configure the camera

First step is to configure the camera that will be sending the commands to the AXIS D4100-E

Step 1 – Create a recipient

1. Go to the camera web GUI (the description is for AXIS Device Assistant, new web interface)
2. Go to Events and add Recipient
3. Name the recipient and choose HTTP as the Type and add this command in the URL:
   http://IPaddress/axis-cgi/siren_and_light.cgi

4. Add the username and password for the user on AXIS D4100-E
5. Save

Add recipient

Name

D4100-E One

Type

HTTP ▾

URL

http://192.168.0.177/axis-cgi/siren_and_light.cgi

Username

root

Password

•••• 👁

Proxy ⬤

[Test]   Cancel   [Save]

Step 2 – Create action rules

Two action rules are needed for this setup, the first action rule is to start the trigger and the second to stop it.

Start profile rule

This rule will be named 'Start Profile Manual Alarm (D4100-E One)'

1. Choose Virtual input as condition

2. Select Port 1
3. Set action to 'Send notification through HTTP'
4. Select the recipient in the previous step
5. Set method to 'POST'
6. Then insert this whole command in the Body:

   { "apiVersion": "1.0","method": "start","params": {"profile" : "Manual Alarm"}}

7. Click Save

The name 'Manual Alarm' is the name of the profile created in the AXIS D4100-E and is used as an example in this case. If your profile is called something else, that name should be in string.

Edit rule

☑ Use this rule

Name

Start Profile Manual Alarm (D4100-E One)

Wait between actions (max 23:59:59)

00:00:00

Condition

☐ Use this condition as a trigger

Virtual input ▾

☐ Invert this condition

Port

1 ▾

＋ Add a condition

Action

Send notification through HTTP ▾

Recipient

D4100-E One ▾

Message (will be encoded)

Query string suffix

Full recipient URL

http://192.168.0.177/axis-cgi/siren_and_light.cgi

Method

POST ▾

HTTP headers

＋ Add header

Body

{ "apiVersion": "1.0","method": "start","params": {"profile" : "Manual Alarm"}}

Cancel   Save

Stop profile rule

This rule will be named 'Stop Profile Manual Alarm (D4100-E One)' and will instruct the D4100-E to stop running the profile.

1. Choose Virtual input as condition
2. Select Port 2
3. Set action to 'Send notification through HTTP'
4. Select the recipient in the previous step
5. Set method to 'POST'
6. Then insert this whole command in the Body:

   { "apiVersion": "1.0","method": "stop","params": {"profile" : "Manual Alarm"}}

7. Click Save

The name 'Manual Alarm' is the name of the profile created in the AXIS D4100-E and is used as an example in this case. If your profile is called something else, that name should be in string.

Edit rule

☑ Use this rule

Name

Stop Profile Manual Alarm (D4100-E One)

Wait between actions (max 23:59:59)

00:00:00

Condition

☐ Use this condition as a trigger

Virtual input ▼

☐ Invert this condition

Port

2 ▼

+ Add a condition

Action

Send notification through HTTP ▼

Recipient

D4100-E One ▼

Message (will be encoded)

Query string suffix

Full recipient URL

http://192.168.0.177/axis-cgi/siren_and_light.cgi
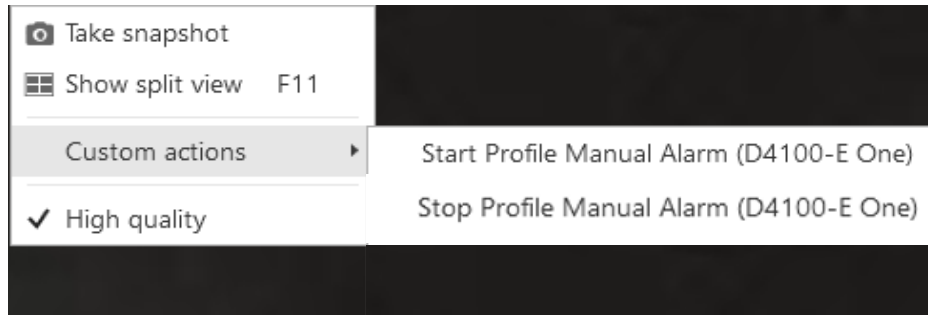
Method

POST ▼

HTTP headers

+ Add header

Body

{ "apiVersion": "1.0","method": "stop","params": {"profile" : "Manual Alarm"}}

Cancel   Save

Step 3 – AXIS Camera Station Edge

When you are done making the two profiles, you can now start and stop the Strobe siren by selecting the configured camera in AXIS Camera Station Edge, right click in the image and select Custom actions.

Note. AXIS Camera Station Edge needs to be restarted for the Custom action to show up

Considerations

Depending on your network setup, you might need to set the devices (AXIS D4100-E and the camera) to use a static IP. This is to prevent devices from changing their IP addresses.