

Eagle Eye Application Note - AN079

Axis Thermal Camera Events in the Eagle Eye Cloud VMS: A How-To Guide

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Target Audience

This Application Note is intended for Eagle Eye Cloud VMS account administrators who are responsible for the setup and configuration of the VMS, and want to install Axis thermal cameras.

Introduction

This document details how to configure an Axis thermal camera in Eagle Eye Cloud VMS. By following this guide users can get the thermal Events from the camera to show up in History Browser and Alerts/Notifications. Below mentioned features are supported for thermal camera:

1. Filter for thermal events (thermal threshold crossed)
2. View video when thermal events are generated
3. View Areas on the video with bounding boxes where the thermal events were generated
4. Get notifications (emails, Push notifications) when a thermal Event is generated

The model supported is [AXIS Q1961-TE](#).

Setup of Thermal Camera: Axis Q1961-TE

Setting up the camera:

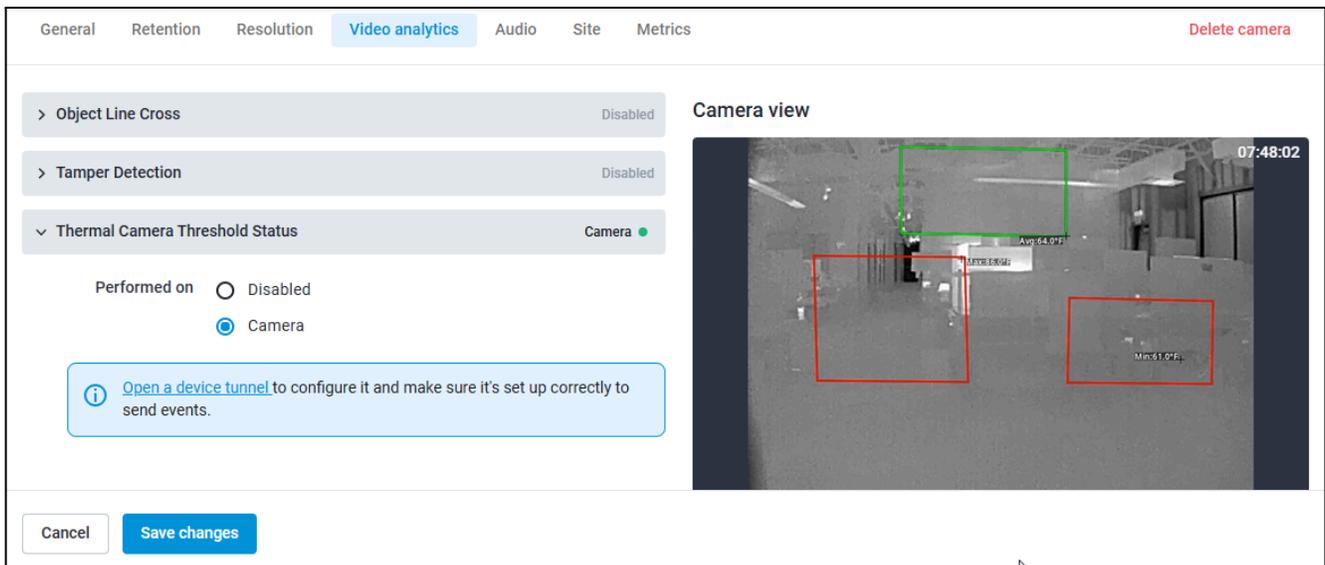
1. Install the camera and add it to the network Setup - <https://help.axis.com/en-us/axis-q1961-te#install>. Make sure that the camera is on the CAMLAN network of the bridge
2. Need to use the same username/password for both ONVIF and Web/VAPIX.
3. Add the camera to Eagle Eye Cloud VMS. Search for the available cameras and add it as a standard camera to Eagle Eye Cloud VMS.

Set up Thermometry on the Camera:

1. Set up the thermometry on the Axis camera UI, you can login to the camera using the Camera Tunnel via the Eagle Eye Cloud VMS dashboard.
2. Set up the Areas and rules on the Axis Camera UI - <https://help.axis.com/en-us/axis-q1961-te#thermometry>
3. All the rules and conditions are setup on the camera

Enable Analytics on Eagle Eye Cloud VMS:

1. Enable the Analytics on Eagle Eye Cloud VMS - Login and navigate to Camera Settings. Click Video analytics and change 'Thermal Camera Threshold Status' to camera, and Save changes.



The Events and thereby the Alerts/Notifications that are generated whenever ANY of the conditions which were defined in above step are met. We do not distinguish between the types of conditions and indicate which specific condition triggered the event.

Viewing Events on the History Browser:

After adding the camera and setting up thermometry, any new events generated (when the camera's conditions are met) will be visible in the history browser. The temperature and Bounding box for that Event is also shown to show where an Event was triggered.



The display of bounding boxes and temperature is set up on the camera UI.

Setup Alerts for the Thermal Events:

You can set up Alerts and Notifications for a thermal event using the Alert Manager. First create an Alert Action for Email and/or Push.

Add action
×

Action name

Action type

Action settings

Rearm

Max per hour

Notification type

Recipients

Cancel
Add action

Setup a rule for the Action:

Navigate to rules and then set up a rule to trigger the action on Thermal Detection Event.

The screenshot displays the 'Add rule' configuration interface in the Eagle Eye Networks system. The left sidebar contains navigation options: Video search, Dashboard, Layouts, Tags, Sites, Alert Manager (with sub-items Alerts, Rules, Actions), Map, POS, Sensors, Files, and Admin. The main configuration area is titled 'Add rule' and includes the following fields and sections:

- Rule name:** Thermal Event
- Source:** Devices/Video
- Priority:** 9 (high)
- Notes (optional):** Add notes...
- Conditions (If):**
 - Alert type:** Thermal Detection
 - When:** 24 hours
 - Cameras:** Axis Thermal
- Actions (Then):**
 - Actions:** Email Me

At the bottom of the configuration area, there is a 'Remove action' button and two buttons: 'Cancel' and 'Add rule'.

After completing these steps, you'll get notifications (Push/Email) when the camera's conditions are met.

Limitations

1. This only works with Axis Q1961-TE
2. The Events are only visible in our Enhance Web interface and not in our Classic interface
3. Bridge version should > 3.20