HALO SMART SENSOR

VSS INTEGRATION GUIDE

VIVOTEK

IPVIDEO

Contents

INTRODUCTION

The HALO Smart Sensor can be integrated into Vivotek's VSS Video Management Software using the RTSP output from the HALO device and the RTSP support of VSS. This allows operators to visualize and record the real-time data from the HALO Smart Sensor, as though it were a typical IP Camera.
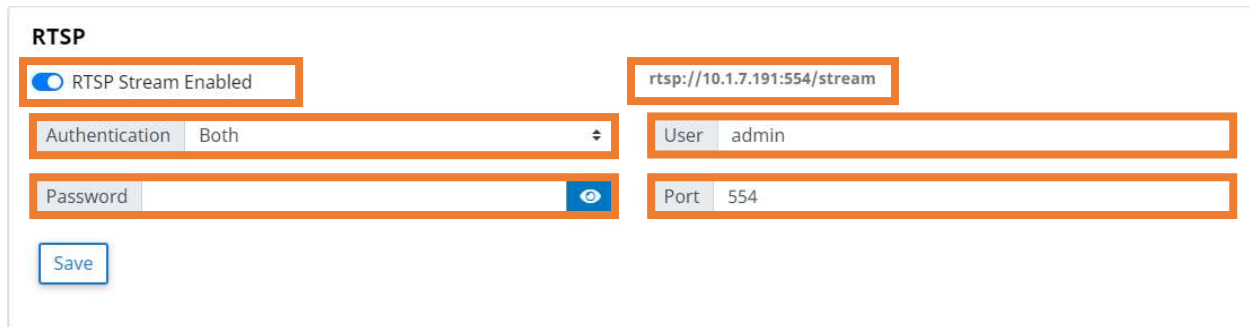
HALO Smart Sensor can also be programmed to transmit messages via TCP/IP to VSS to enable Alarm Notifications

<u>Note : This integration was tested using VSS 1.0.0 and HALO Firmware version 2.82</u>

HALO SMART SENSOR – ENABLE RTSP STREAM

To capture the Stream URL needed to connect VSS to HALO, simply navigate to the HALO Smart Sensor with a Web Browser and click on the *Integration* Icon in the bottom navigation bar.

Scroll down to the RTSP settings.

1) **Highlight** and **Copy** the **Stream URL** displayed at the top of the settings area.
2) Click the **RTSP Stream Enabled** switch
3) Set **Authentication** to **Both**
4) Enter a **Username** and **Password**
5) Enter the RTSP **Port** (Default is 554)
6) Click **Save** to save RTSP Image Settings

HALO SMART SENSOR – ACTIONS

Click on the *Actions Icon* in the bottom navigation bar.

Actions

Event Identifier	Email		Primary Integration	
	Set	Reset	Set	Reset
Aggression	☑	☐	☑	☑
AQI	☐	☐	☑	☑
CO2eq	☐	☐	☑	☑
Gunshot	☑	☐	☑	☑
Health_Index	☐	☐	☑	☑
Help	☑	☐	☑	☑

Check the **Messaging Set** checkboxes for each of the **Event Identifiers**.

Scroll down and click the **Save** button to save settings.

HALO SMART SENSOR – INTEGRATIONS

Click on the *Integrations* Icon in the bottom navigation bar.

1. Set protocol to **TCP**
2. Enter "**halo.event.%EID%**" for the Set String and Check the **On** radio button to enable (**Do not include Quotations**)
3. Enter "**halo.reset.%EID%**" for the Set String and Check the **On** radio button to enable (**Do not include Quotations**)
4. Enter the **IP Address** of the **VSS** Server in the IP Address field
5. Enter **3444** in the Port field.
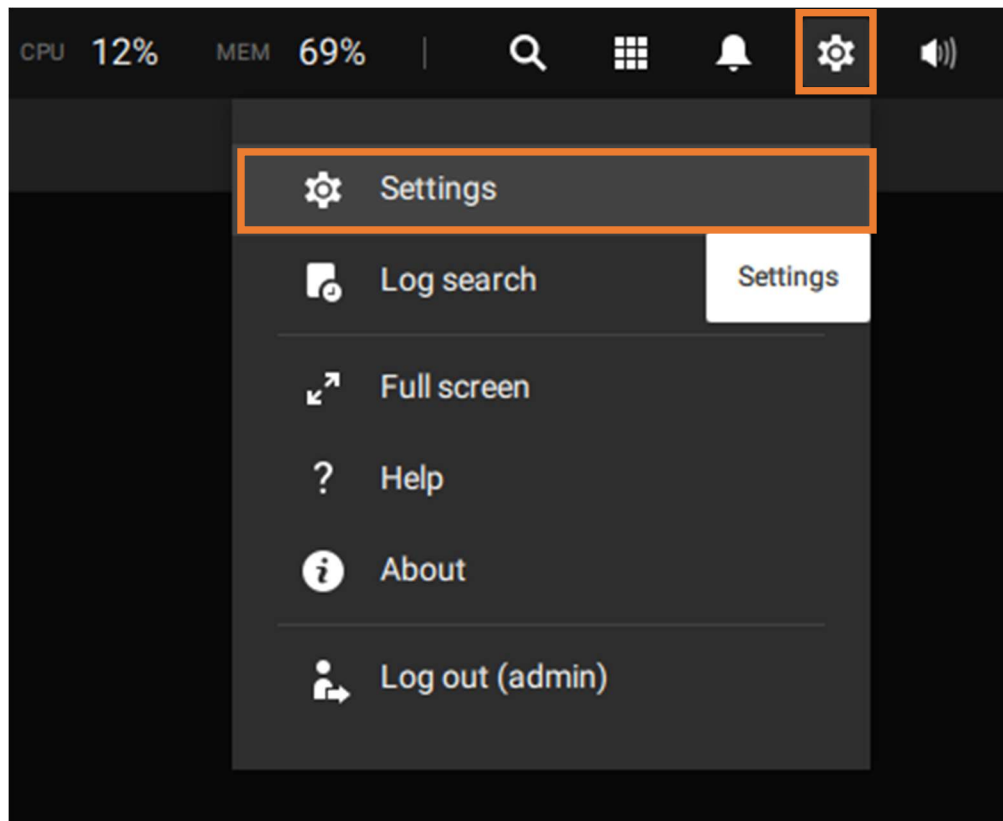6. Click the **Save** button.
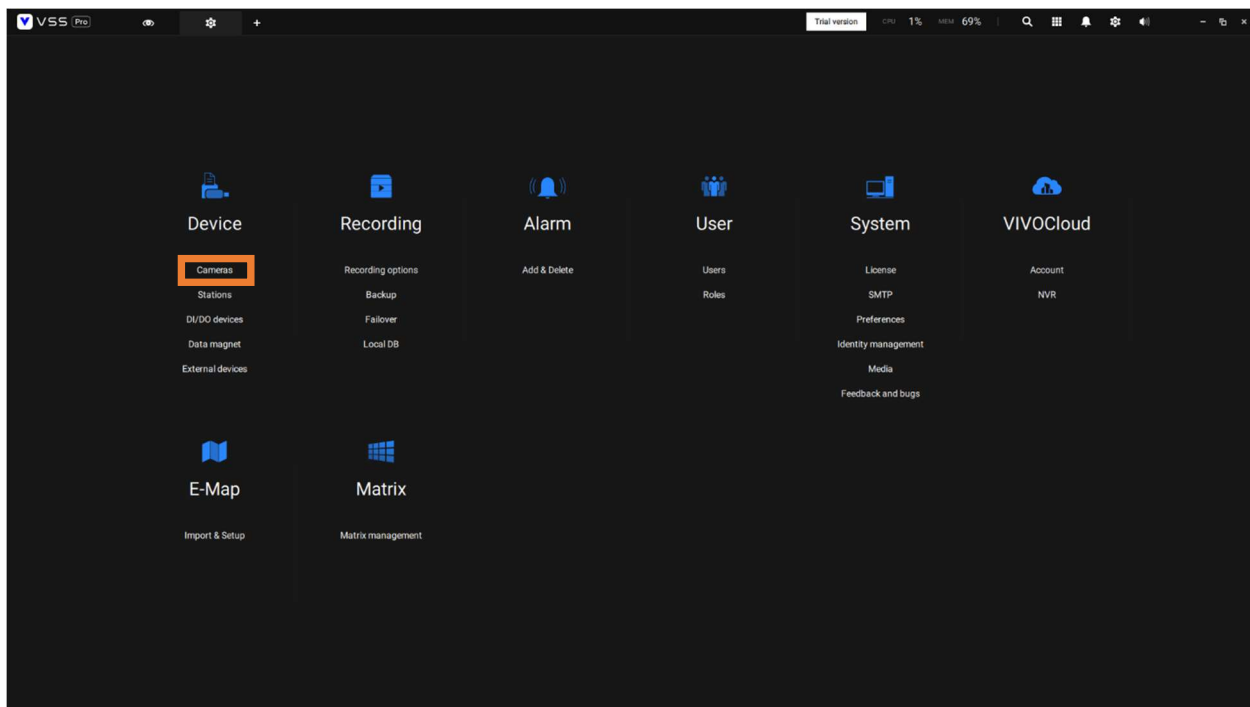
VSS CLIENT – LOGIN

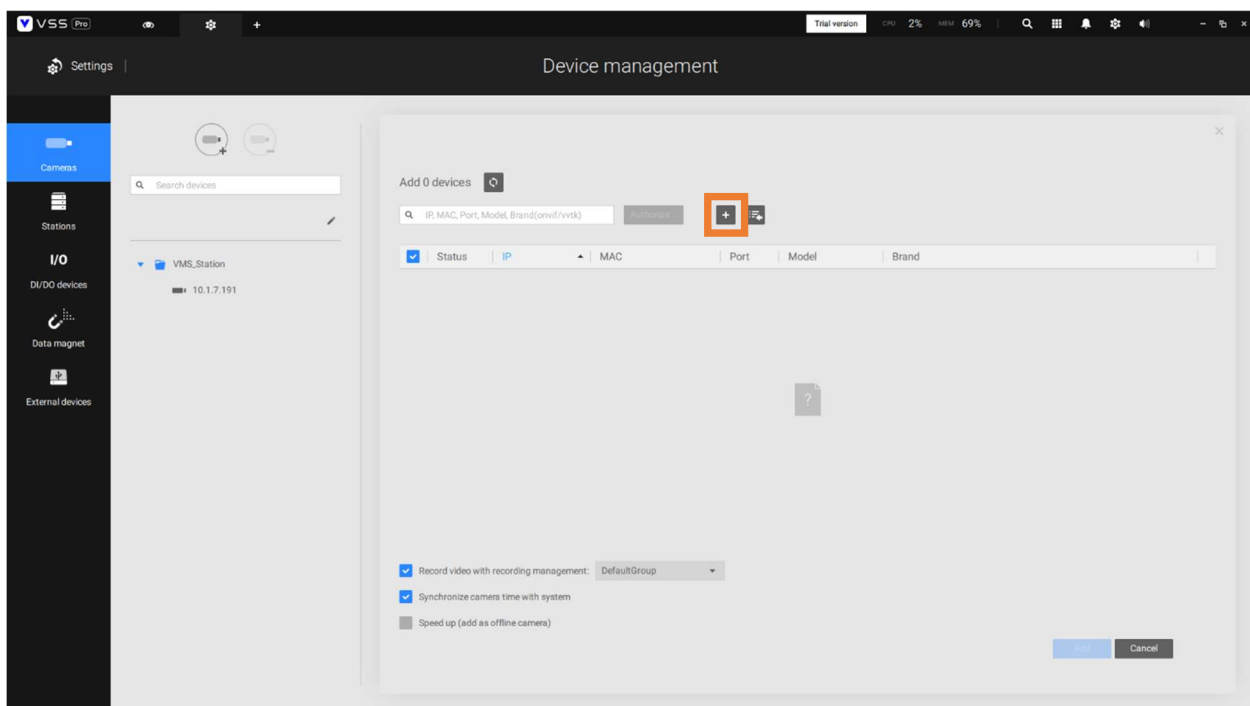Login to the VSS Client as an Administrator

VSS CLIENT – SETTINGS MENU

Click on *Settings* icon in the top right navigation and select *Settings* from the drop down menu.
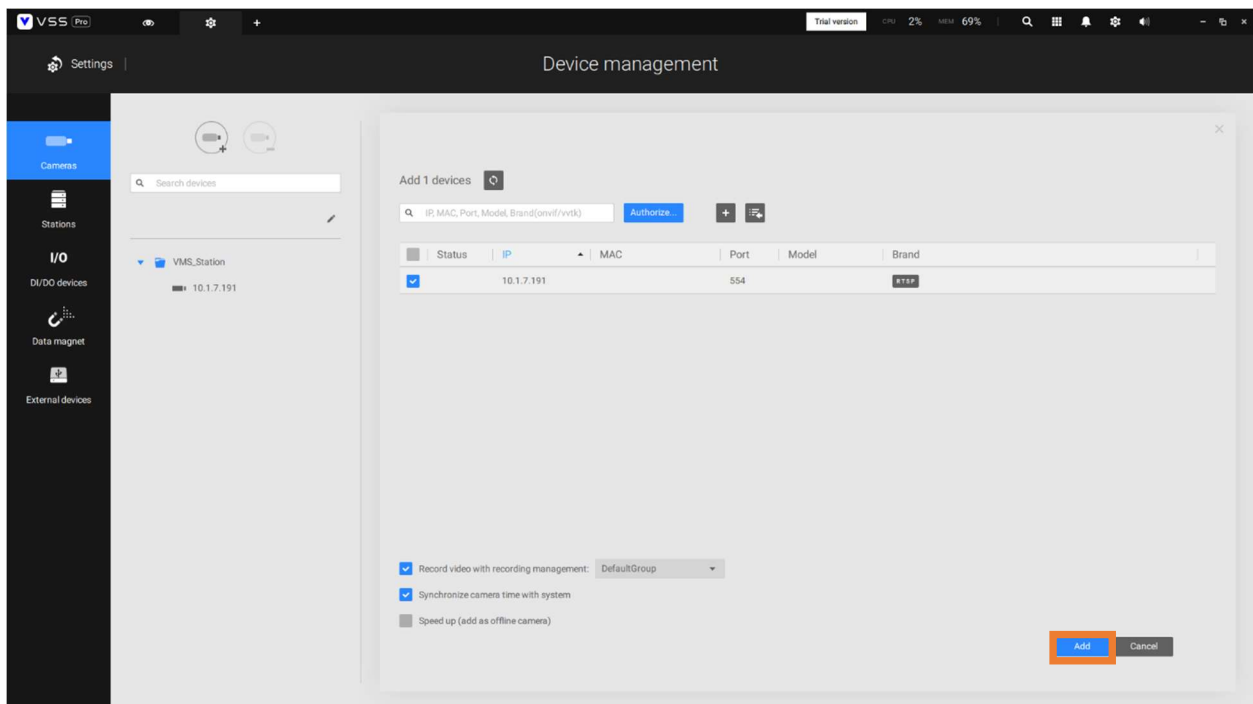
In the Device section, click on **Cameras**

On the Device Management window, Click the **Add** Camera icon

1. Select **RTSP** from the Drop Down Menu

2. Enter the RTSP URL and Port (IPADDRESS/stream) : 554

3. Select **TCP** from the Protocol Drop Down Menu

4. Click the Add button to proceed

Click the **Add** button

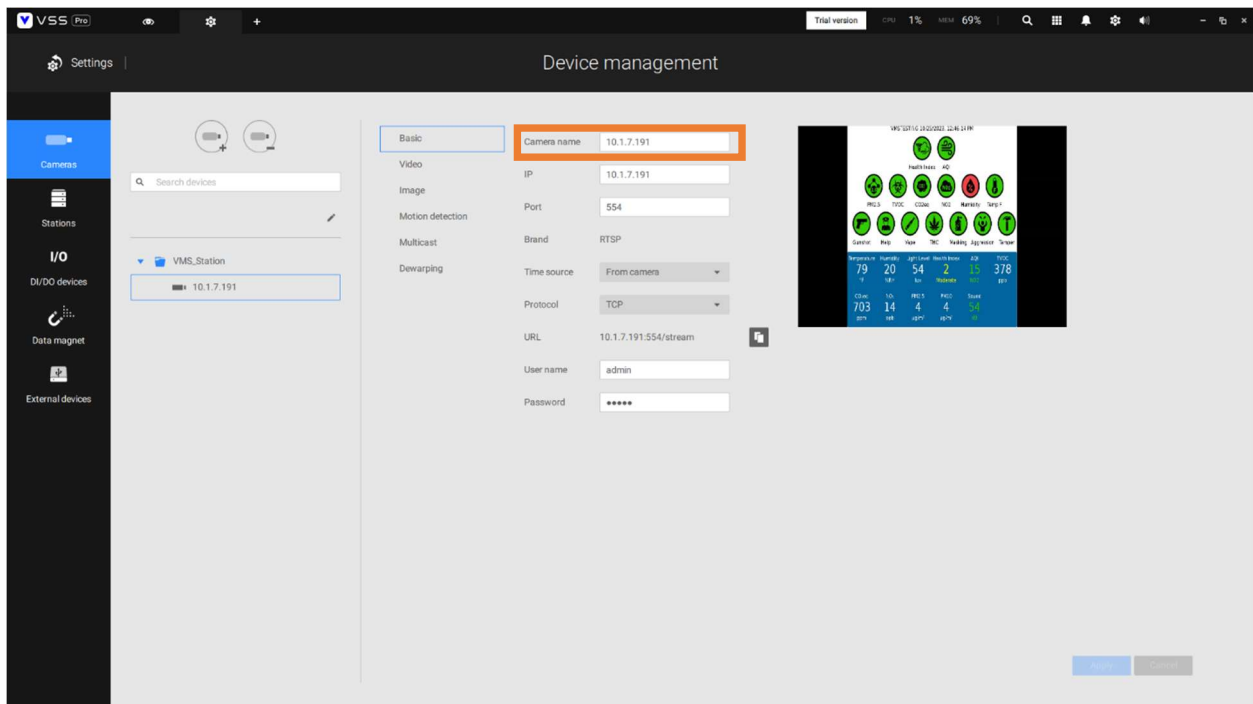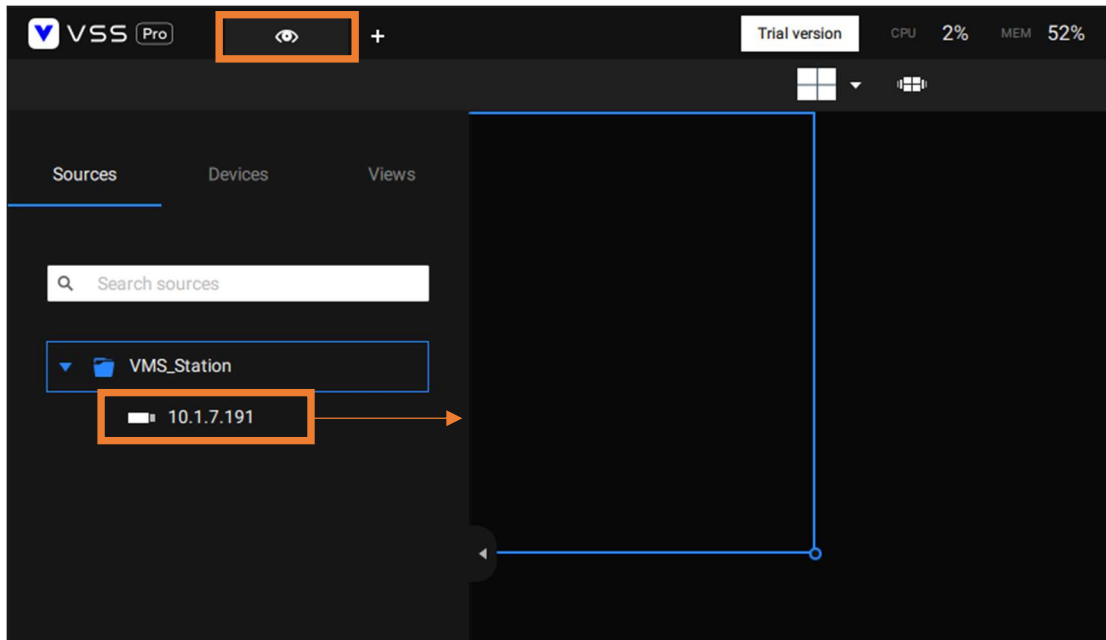Enter the RTSP URL Username and Password as defined in the HALO Smart Sensor RTSP Settings and Click Apply

The HALO Smart Sensor RTSP stream will be displayed in the Device Management window.

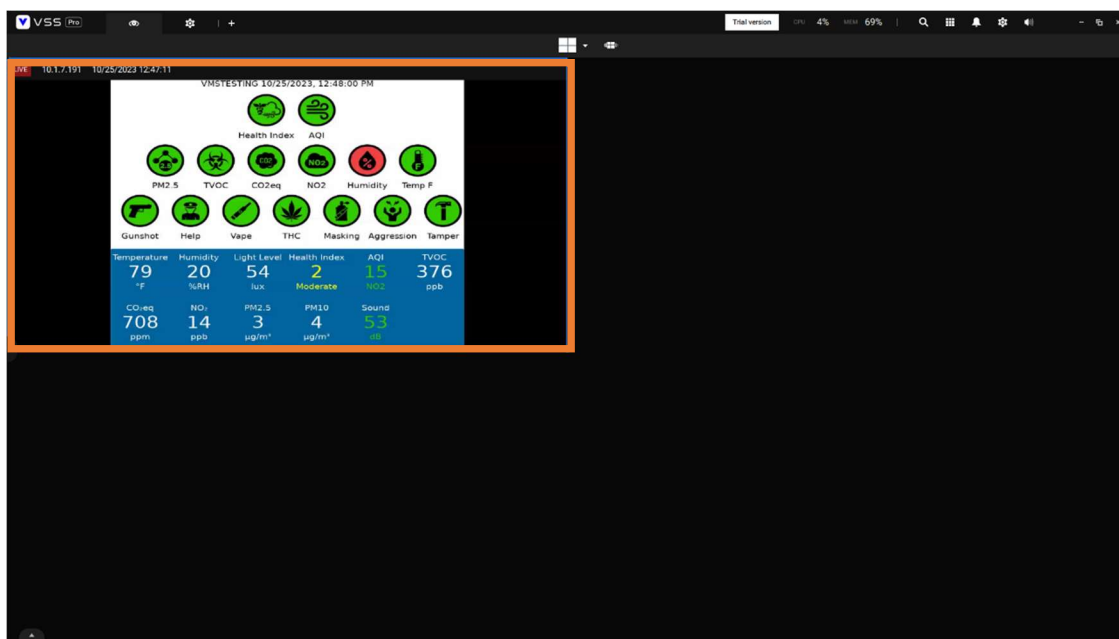Use this interface to change the HALO Smart Sensor Device Name in VSS

VSS CLIENT – VISUALIZE HALO SMART SENSOR

1. Click on the Monitor tab
2. Drag the HALO Smart Sensor from the left navigation bar into the Viewing area of VSS
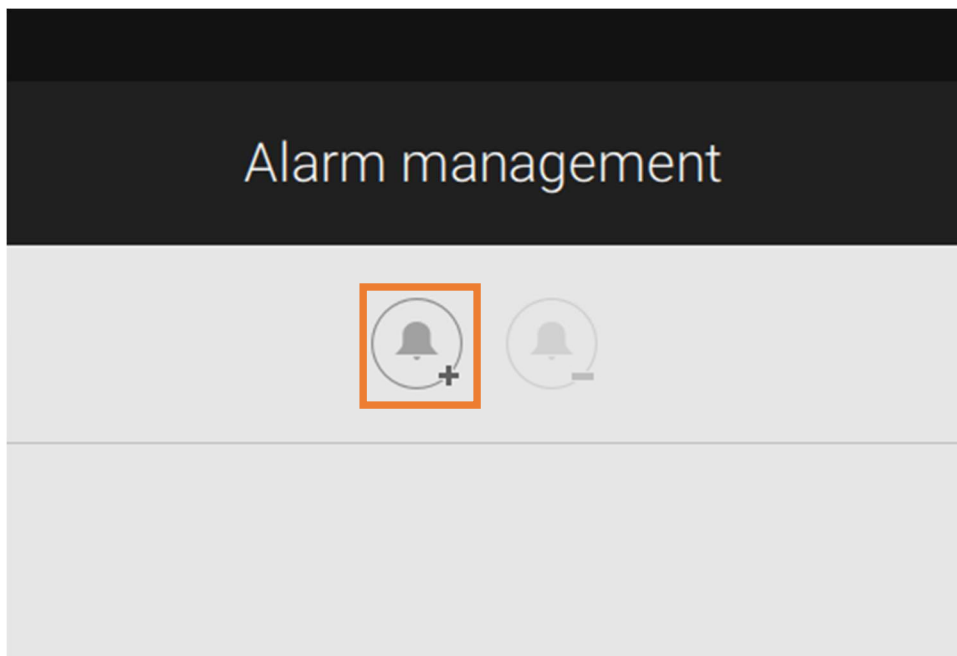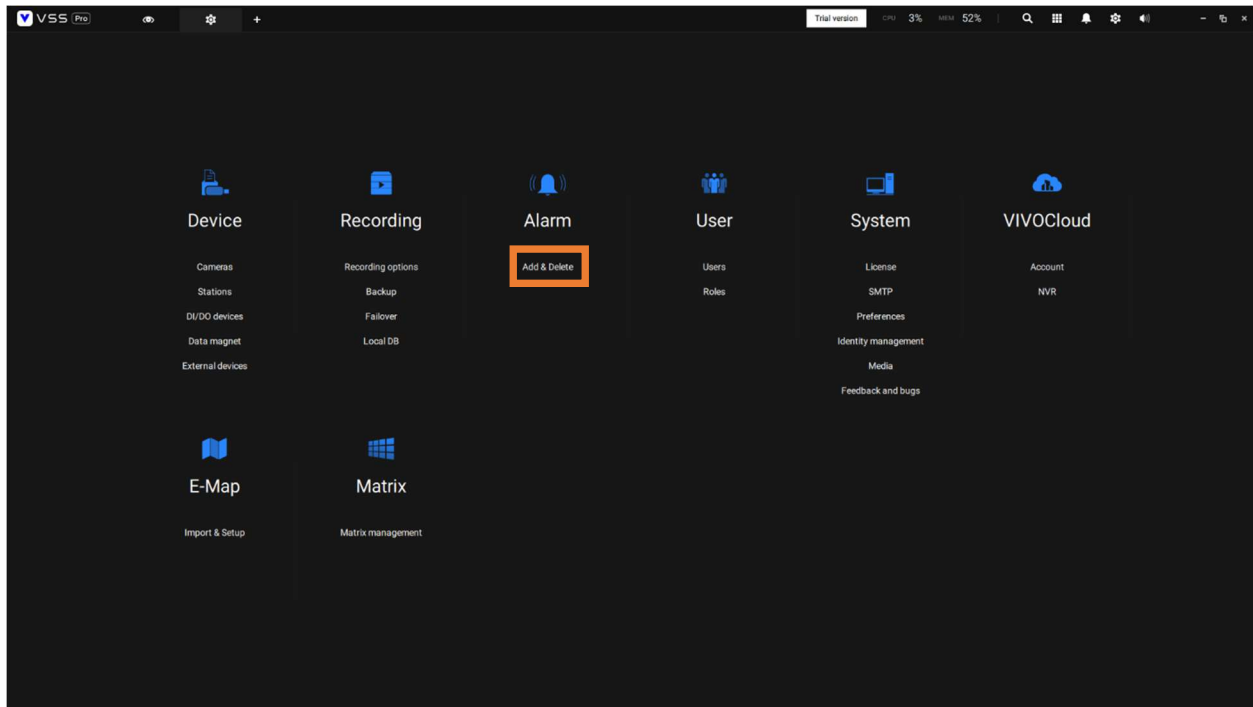

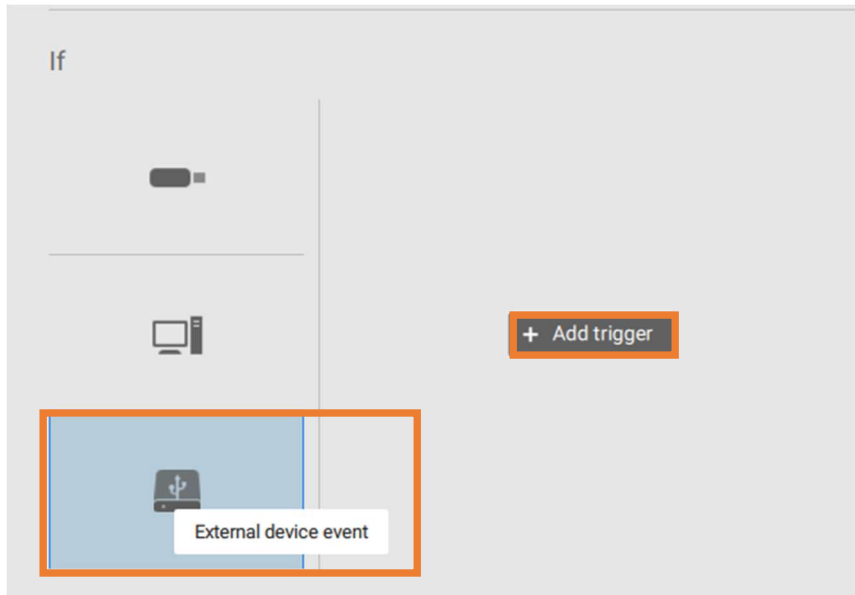Collapse the left navigation bar to monitor the live activity of the HALO Smart Sensor

VSS CLIENT – ADD ALARM

On the main Settings screen, click on **Add & Delete** under **Alarm**

On the Alarm Management screen, click on the **Add Alarm** icon.

1. In the "If" section of the screen, click on the **External Device Event** icon
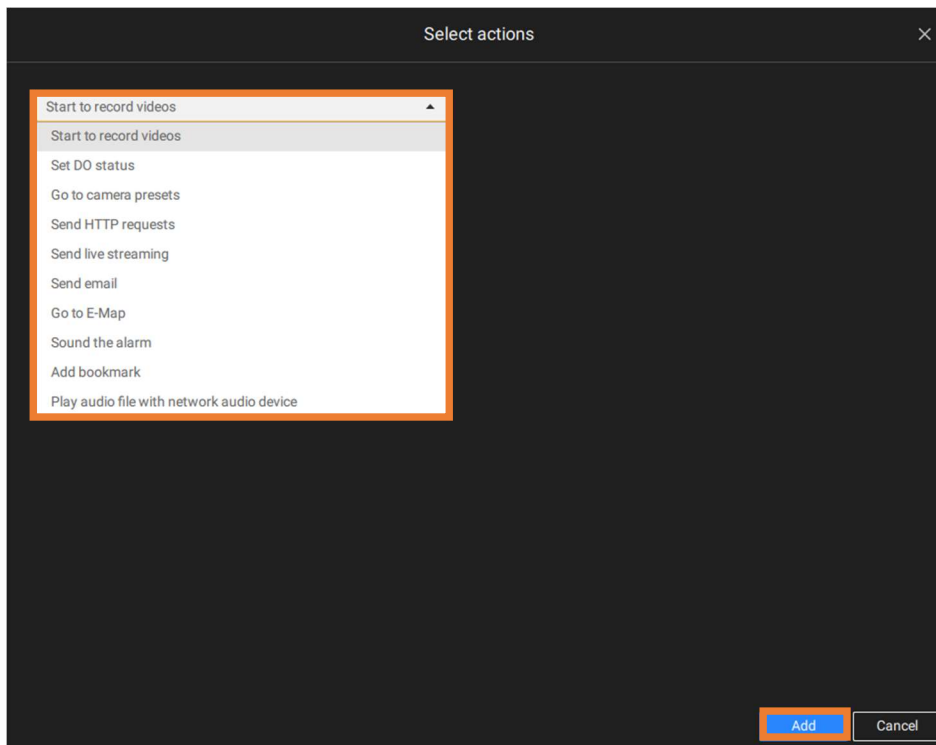2. Click on the **Add Trigger** button
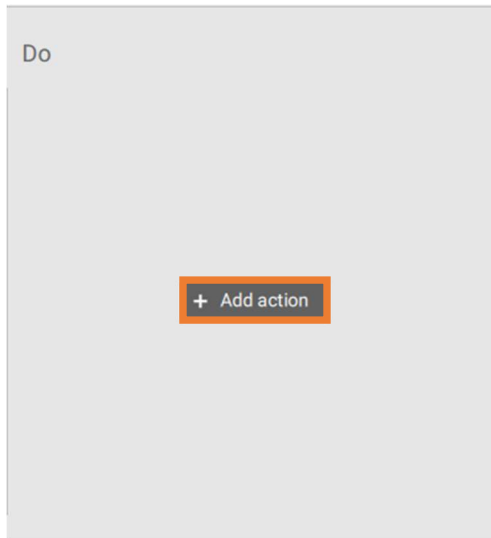
3. Select **TCP Message (Using default port 3444)**
4. Select the VSS Server
5. Select **text matches** in the drop down menu and Enter "**halo.event.Vape**" (Do not include quotations) in the text field to add a Vape Alarm. Separate Alarms will need to be created for each unique HALO Smart Sensor Event Type.
6. Click the **Add** button to save the trigger.

1. In the "Do" section of the screen, click on the **Add Action** button

2. **Select one of the available Actions** from the drop down menu
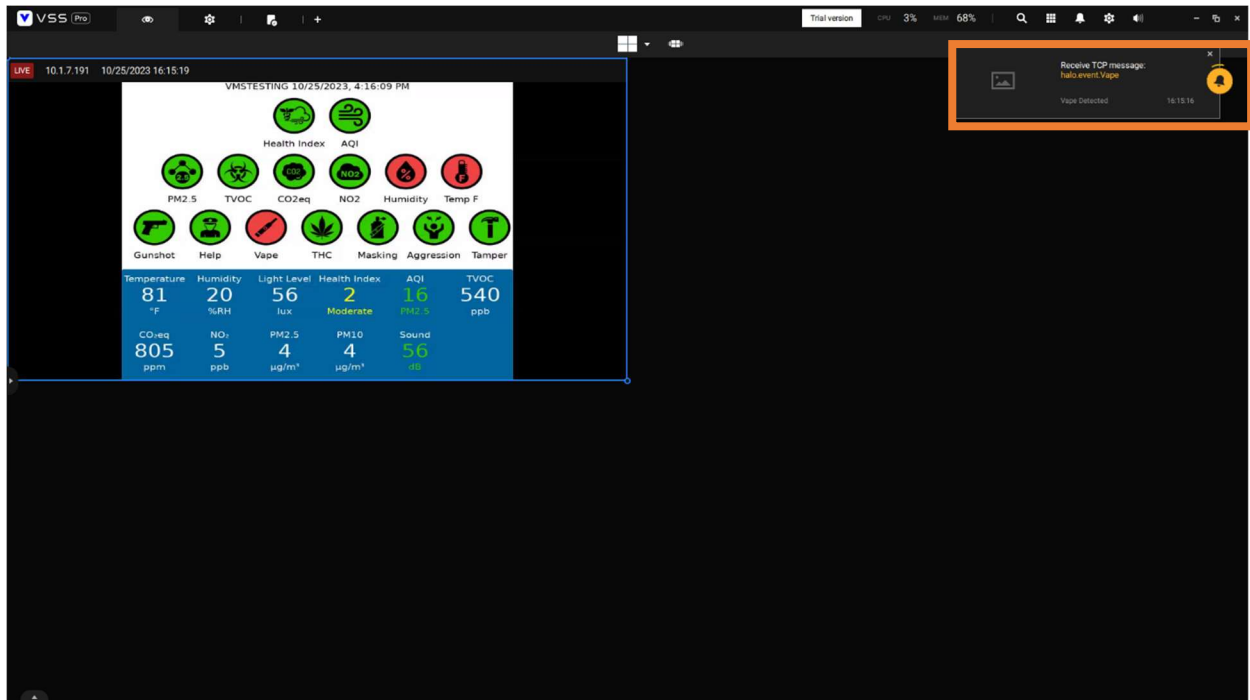3. Click the **Add** button to save the Action

1. In the "At" section of the screen, leave the default selection, Always, unless it is preferred to operate during a defined schedule.
2. Specify a Title and Description for triggers in the available text fields
3. Click the Add button to save the Alarm

VSS CLIENT – ALARM NOTIFICATIONS

When HALO Smart Sensor is triggered, event messages are transmitted to the VSS Server, received, and displayed in the VSS Client in the top right corner of the screen. The associated Action is also triggered.