# **DW Spectrum Installation and Usage Guide**



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## **Overview**

This driver integrates IP cameras available via Digital Watchdog's Spectrum IPVMS solution with Control4.

Not only can you view a camera via Control4's UI, you can also send events to DW Spectrum programatically and have events sent to Control4 from DW Spectrum.

## **Features**

- View live video stream from DW Spectrum cameras
- Get snapshots from the camera for use with Push Notifications
- Configure and send events from Control4 to DW Spectrum's Event Log
- Receive and program against events from DW Spectrum

## **Change Log**

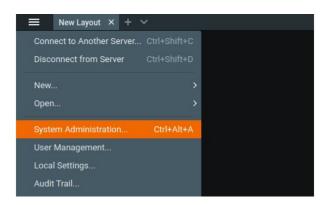
**Version 20210517** 

Initial release

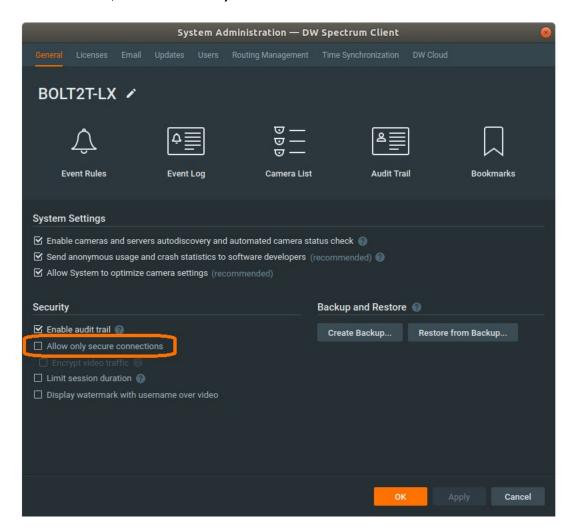
## **DW Spectrum Basic Setup**

For Control4 to communicate with DW Spectrum, we need to change the secure connections setting.

1. Select the Menu button and then System Administration...



2. On the General tab, untick Allow only secure connections



## **Configure the driver**

- 1. Add the driver to Composer
- 2. Search for "DW Spectrum IP Camera" in Composer and add the driver to the project

#### **Camera Properties**

- 3. Enter the Hostname / IP Address of the DW Spectrum device
- 4. Enter the HTTP Port of the DW Spectrum device. This should be 7001 by default
- 5. Enter the RTSP Port of the DW Spectrum device. This should be 7001 by default

#### **Authentication**

- 6. Tick Required
- 7. Enter the **Username** required to access DW Spectrum
- 8. Enter the Password required to access DW Spectrum
- 9. Set Type to Digest

#### **Advanced Properties**

10.Choose your preferred camera from the **Available Cameras** property, which should now be populated with all the cameras configured in DW Spectrum

#### **Snapshot Settings**

You can modify the size of the snapshot image which is displayed in the Cameras grid view on Control4's UI and sent as an attachment to Control4's mobile app. We don't recommend increasing these values.

#### **RTSP Settings**

It is possible to change the resolution of the video stream should you have issues with a higher resolution

#### **Events**

Use the fields in this section to handle events that are sent using DW Spectrum's Event Rules "Do HTTP Request" Action

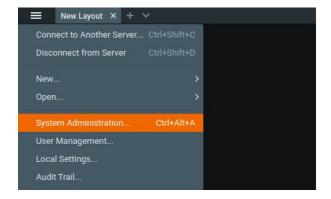
See the section Setup Control4 to handle a "Do HTTP Request" Action for detailed configuration

# DW Spectrum Set up Event Rule to send a "Do HTTP Request" Action to Control4

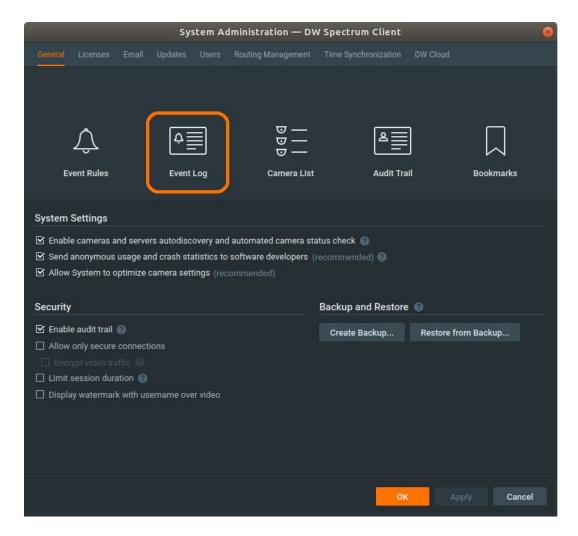
Below will walk you through a simple set up of an event rule that will trigger a control binding on the Control4 driver

Log in to DW Spectrum

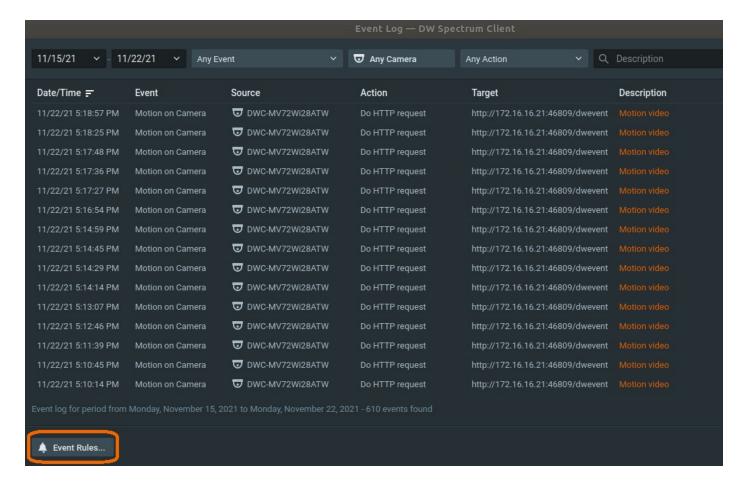
- 1. Click on the Main Menu button (hamburger button)
- 2. Select System Administration...



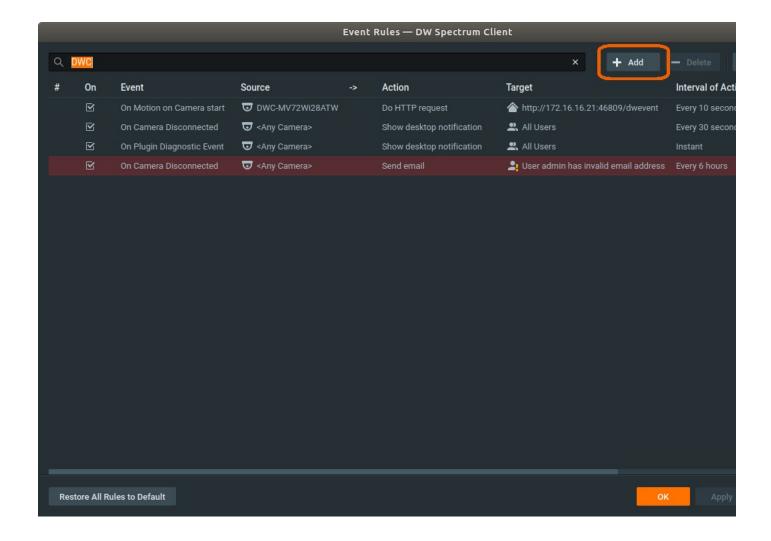
3. Select the Event Log icon



4. Select Event Rules...



#### 5. Select the Add button



#### **Action**

Under the Action section, you need to configure it exactly as is laid out below.

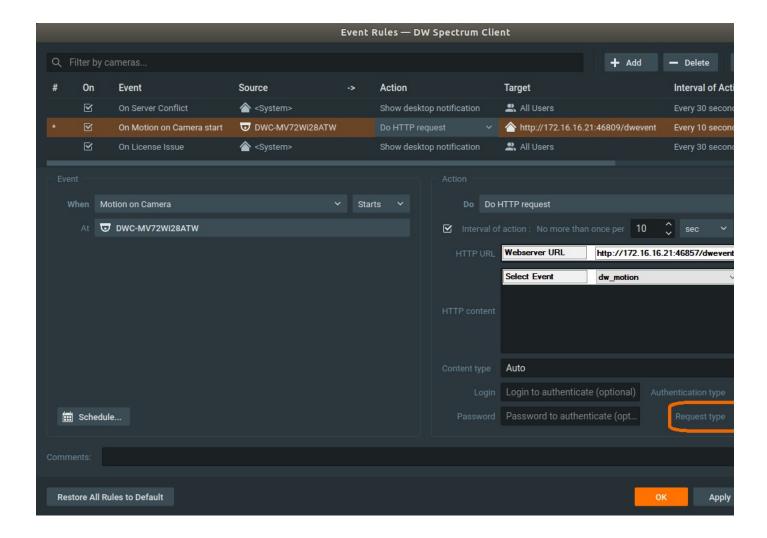
Do needs to be Do HTTP Request

HTTP URL needs to be the contents of the Webserver URL in the Properties tab of the driver

**HTTP Content** needs to be a single line that matches an event listed in the **Select Event** drop down list in the Properties tab of the driver

Leave Content Type, Login, Password, and Authentication type as Auto

Request type must be POST



#### **Event**

Under the Event section, configure the trigger as required

## Setup Control4 to handle a Do HTTP Request Action

Add a Motion Detection driver from the My Drivers tab



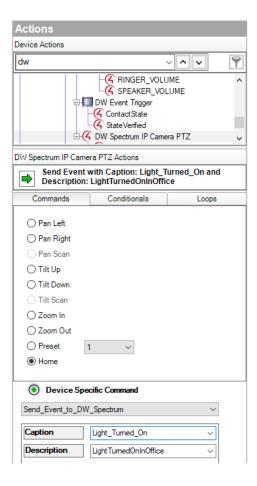
Under the Events Settings in the Properties tab of the driver:

- 1. Click the drop down list for Select Event
- 2. Select Event 1 and press the Set button
- 3. Rename the event in the **Change Event Name** field to match **HTTP Content** from the above **Action** configuration and press the **Set** button
- 4. Select the **Connections** section in Composer
- 5. Navigate to the DW Spectrum driver
- 6. You should now see

## **Programming**

It is possible with this driver to send events to DW Spectrum's Event Log.

- 1. Open Composer
- 2. Goto the Programming section
- 3. Select the DW Spectrum driver from the Device Actions section on the right of the window
- 4. Select Device Specific Command
- 5. Enter the **Caption**
- 6. Enter the **Description**



Note: \*\*It's recommended that you don't include any spaces in the Caption or the Description

7. Now drag the **Action** green arrow command over to your selected **Device Event's** Script Action