



# **Blue Iris VMS Driver Suite version 1.0.6 (2104)**

## **Quick Start Guide**


This guide takes for granted you already know how to download, install and activate the Blue Iris Video Management Software (VMS) for Windows. You also need to have all your cameras configured and working in the software prior of going through the steps of this guide (Do not forget to open the port 81 in Windows Firewall!).

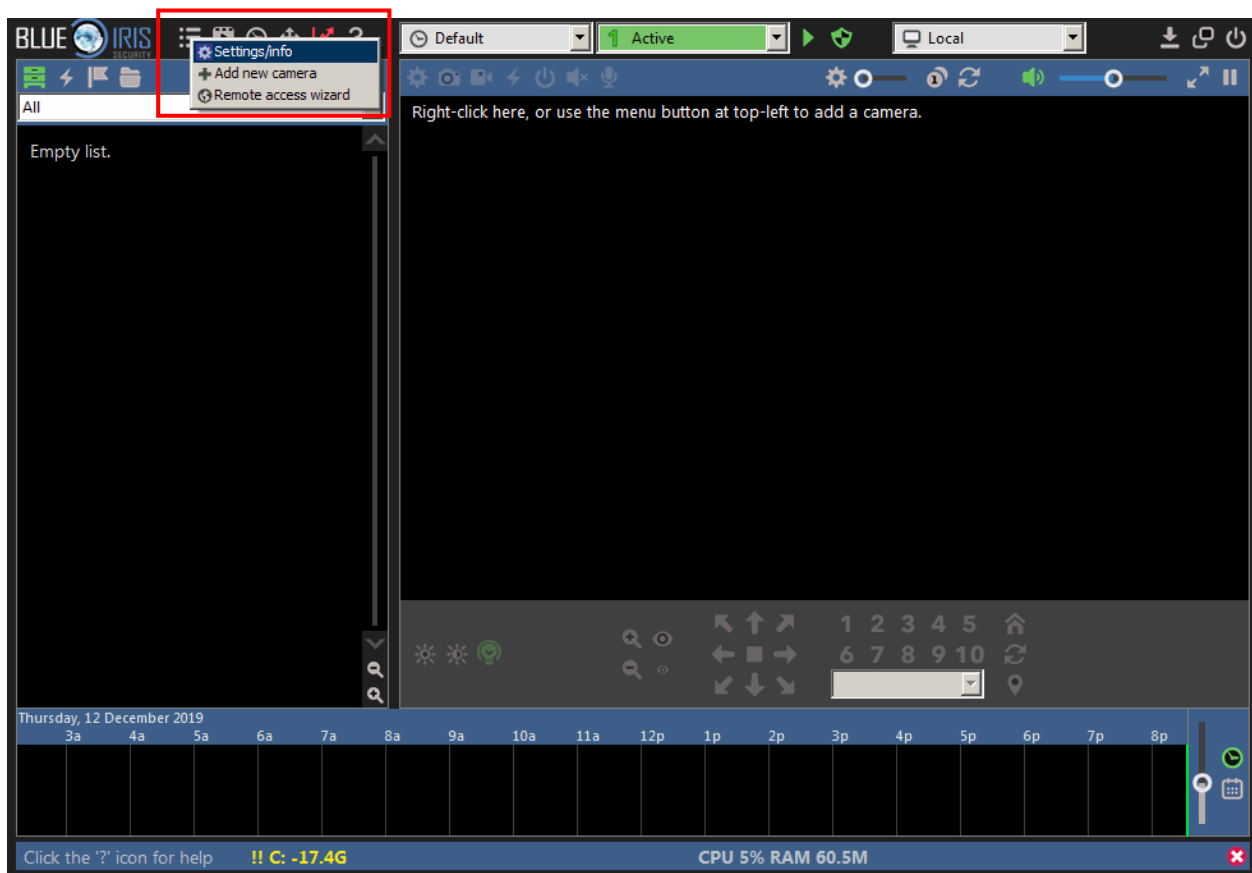
If you need help setting up a Blue Iris system, please refer to the software documentation or request support from the Blue Iris support team.

Blue Iris is available from their website: <https://blueirissoftware.com/>

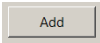
## Step-by-Step guide

### Part 1: Preparing a Blue Iris (v5) instance to work with the Domaudeo Blue Iris driver suite for Control4:

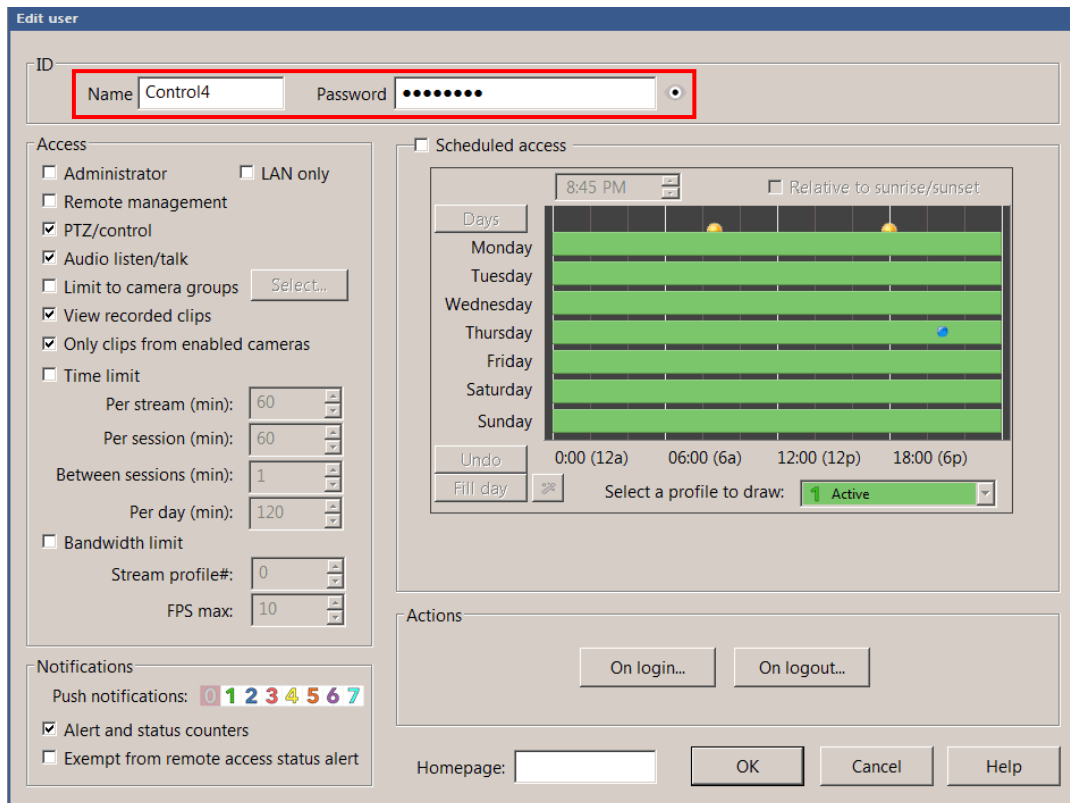
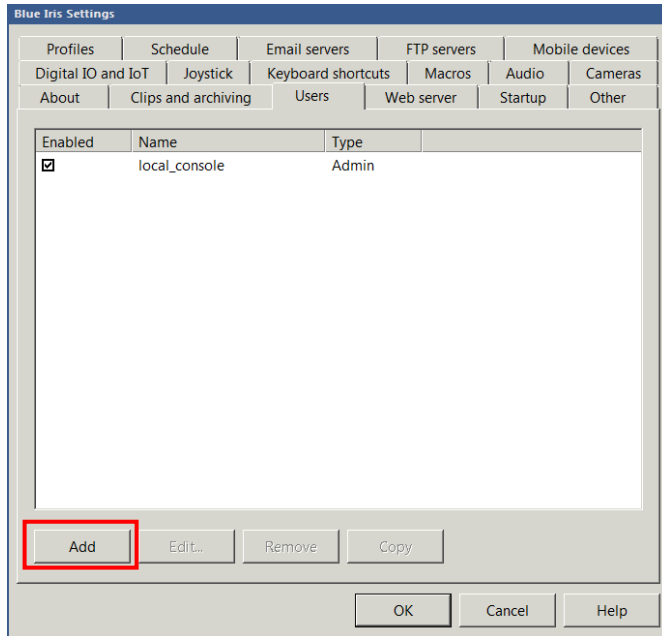
- 1- Open Blue Iris, click the  icon in the left corner and select Settings/Info.



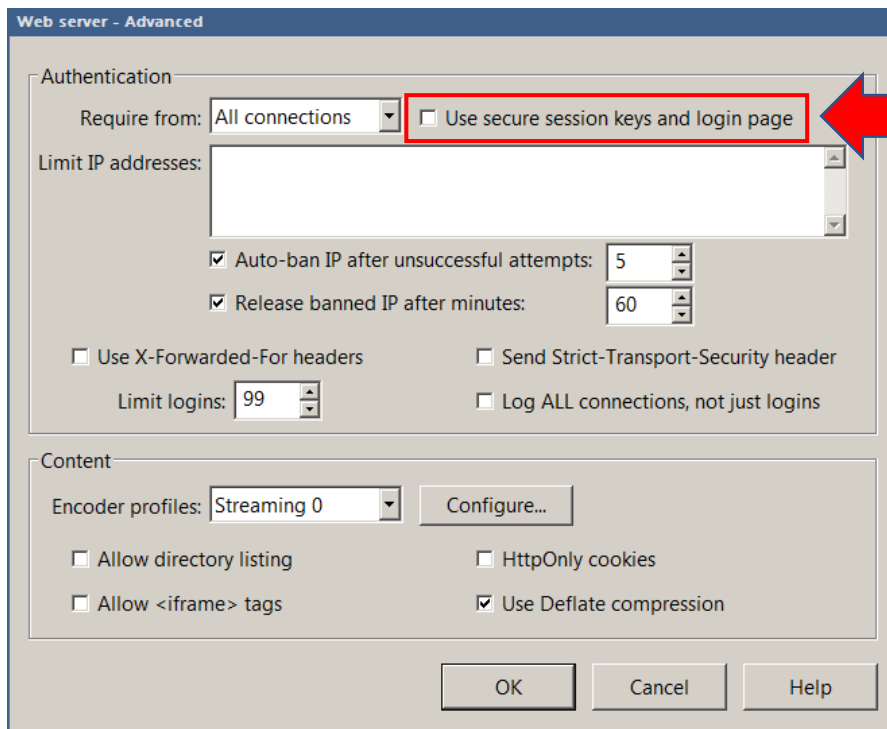
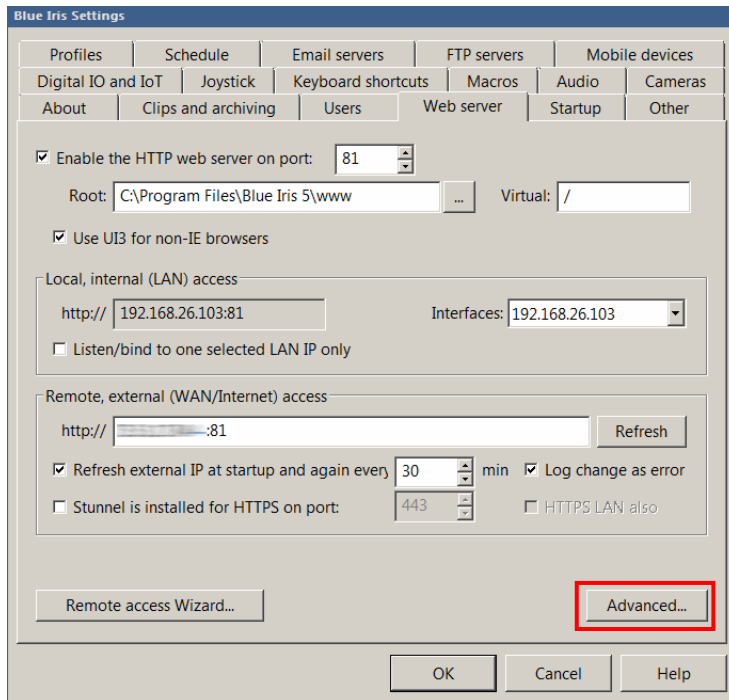
2-

In the Blue Iris Settings Window, go to the Users tab, click  and create a new user named "Control4" with "control4" as password.

Leave any of the options as-is and click 

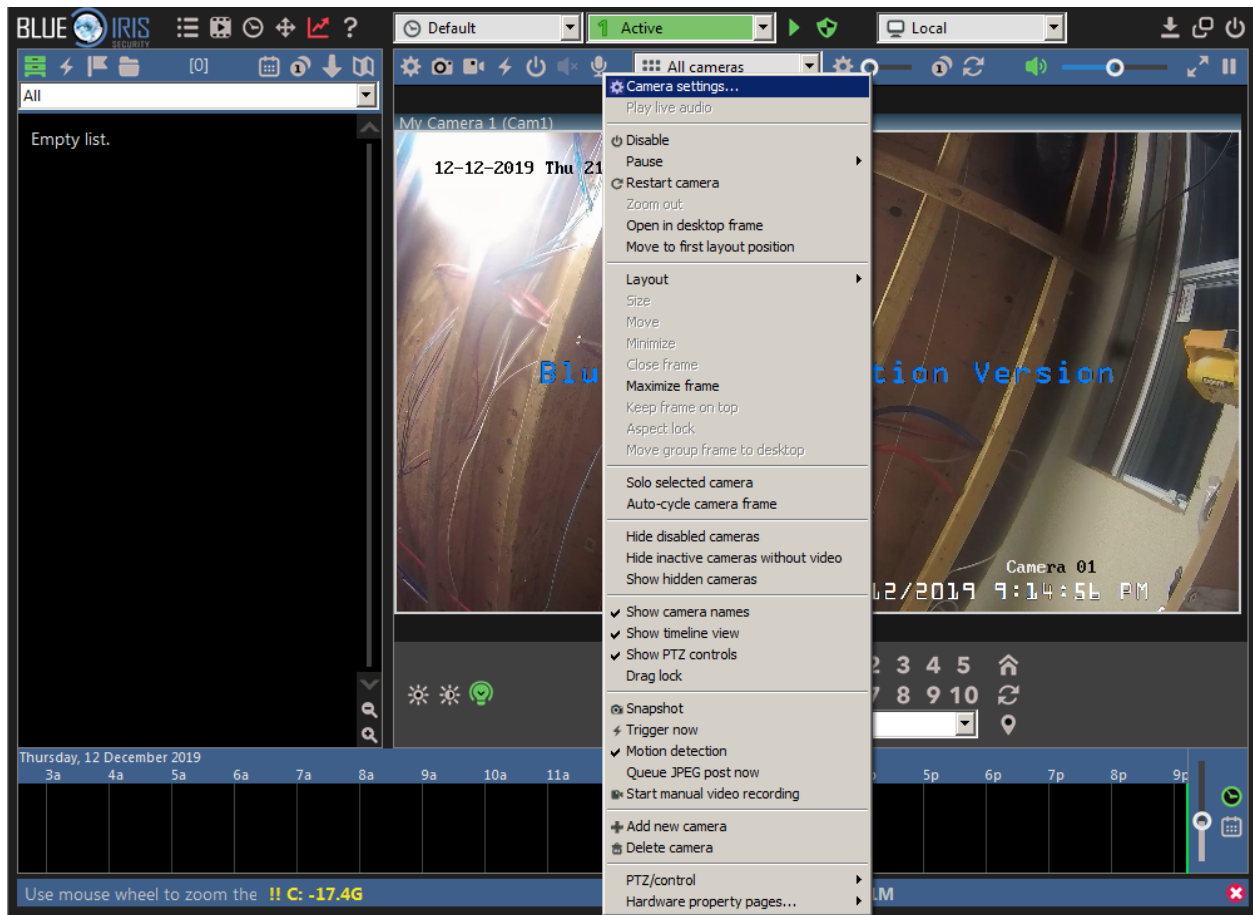


- 3-** Still in the Blue Iris Settings Window, select the Web server tab and click on the **Advanced...** button. UNCHECK the “**Use secure session keys and login page**” option on the top of the Web Server – Advanced window. Click OK to close all windows and return to the main screen.

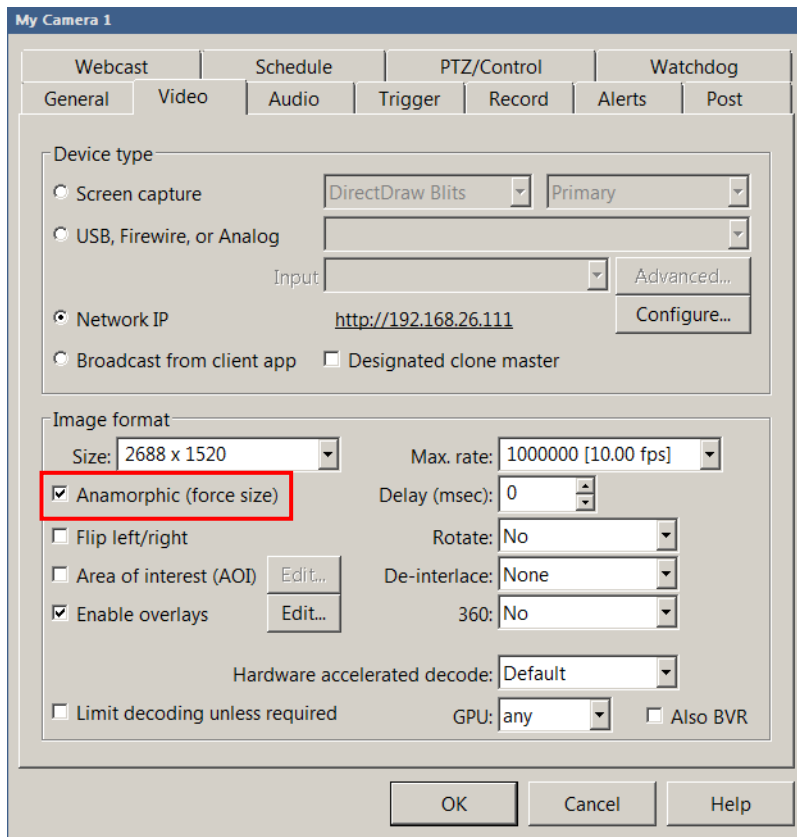


UNCHECK  
this option!

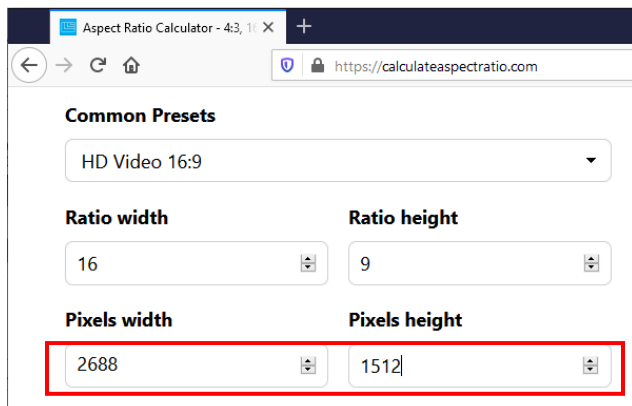
## 4- On the main screen, Right-Click of your camera and select Camera settings...



- 5-** In the Camera Settings window, check the “Anamorphic (force size)” option and **MAKE SURE** the Size is set to a 16:9 resolution. If not, change the height to match the width and get a true 16:9 aspect ratio.

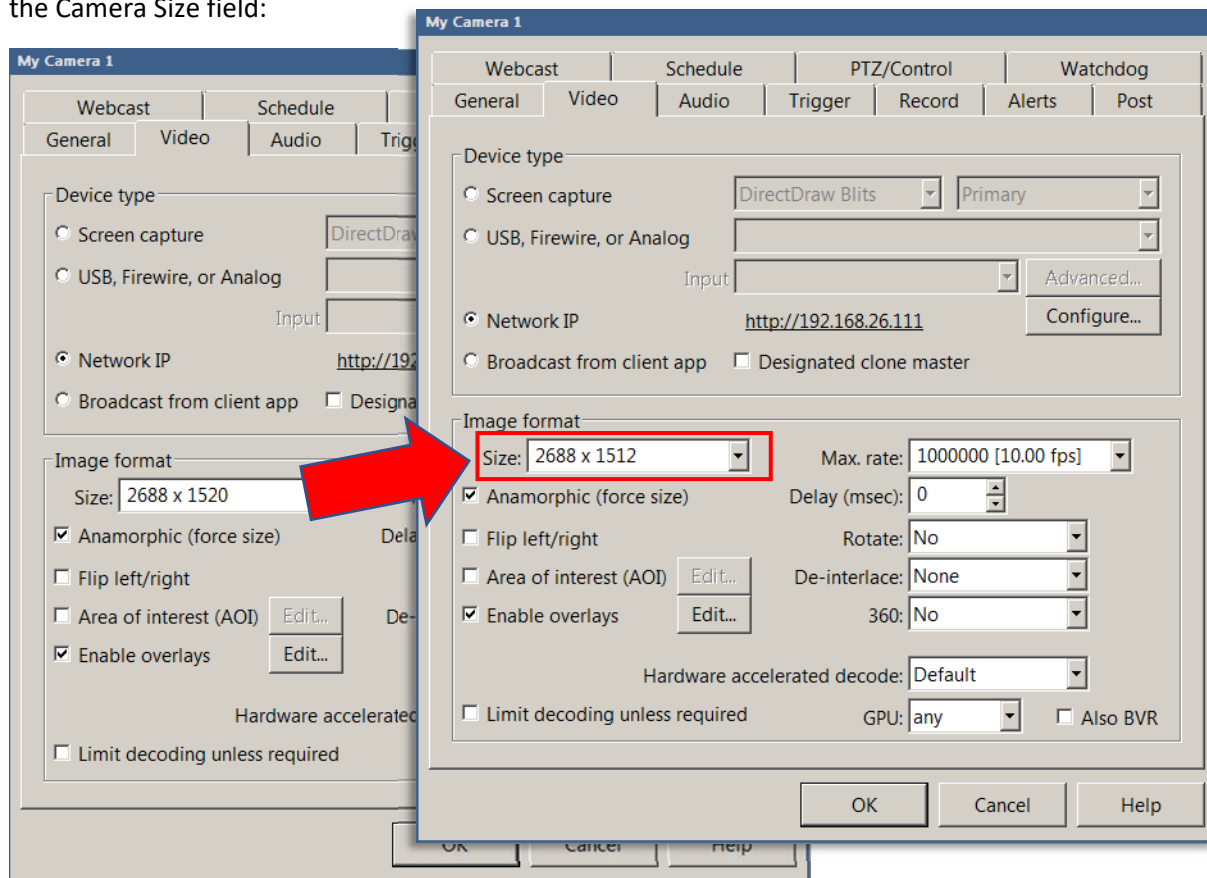


You can use a Screen Ratio Calculator app or website to make sure your aspect ratio is 16:9 compliant, here's an example using <https://calculateaspectratio.com/>



Enter the camera's native Pixel width value and use the calculate Pixel Height value to transpose in Blue Iris

So entering “2688” as width gives us 1512 as the height, not 1520, you need to change the resolution in the Camera Size field:



Most cameras may not need to change their resolution as they already output 16:9 resolution, such as 2MP camera that output a standard 1920x1080 resolution. This step is needed only for higher megapixel cameras that does not output 100% 16:9-compliant resolution such as the 4MP camera used for this example.

- 6-** Add the driver in Composer and enter the IP address and Login info for your Blue Iris server. If you have followed this guide, the Driver Status property should show “success:”

The screenshot displays the 'Properties' window of the Blue Iris software. The 'Camera Properties' tab is active, showing configuration for 'Camera Test'. The 'Address' section includes fields for 'Hostname / IP Address' (192.168.26.220), 'HTTP Port' (81), 'RTSP (H.264) Port' (81), 'Snapshot Refresh Rate' (60 Sec.), and a 'Publicly Accessible' checkbox. The 'Authentication' section has 'Required' checked, 'Username' (Control4), 'Password' (masked with dots), and 'Type' (Basic). The 'Aspect Ratio' is set to 16x9. Below these are 'Load Defaults' and 'Help' buttons. The 'Advanced Properties' section at the bottom shows a table of system information:

Properties	Actions	Documentation	Lua
Driver Version	1.0.0		
Driver Status	success:		
License Key			
License Status	Trial License Verified [24.6 hours left]		
System Name	Maison		



- 7-** If everything goes right, you can now choose a camera from the populated list in the driver property, and it will enable a 720p Navigator-compliant stream to display on all your Control4 devices

Advanced Properties

Properties	Actions	Documentation	Lua
Driver Version	1.0.0		
Driver Status	success:		
License Key			
License Status	Trial License Verified [24.6 hours left]		
System Name	Maison		
Camera Selector	<div>▼</div> <div>Cam2 (Porte Avant)</div> <div>Cam3 (Sous-sol)</div> <div>Cam1 (Hall)</div> <div>Cam4 (Stationnement)</div> <div>Cam5 (Cuisine)</div>		
Camera Short Name			
Camera Name			
Camera State	Enabled		
Touch Location X			

Blue Iris Camera

Blue Iris Camera (Domadeo)  
Address: 192.168.26.103    Manufacturer: Blue Iris VMS    Model: Blue Iris Camera (Domadeo)

12-13-2019 Fri 20:43:04

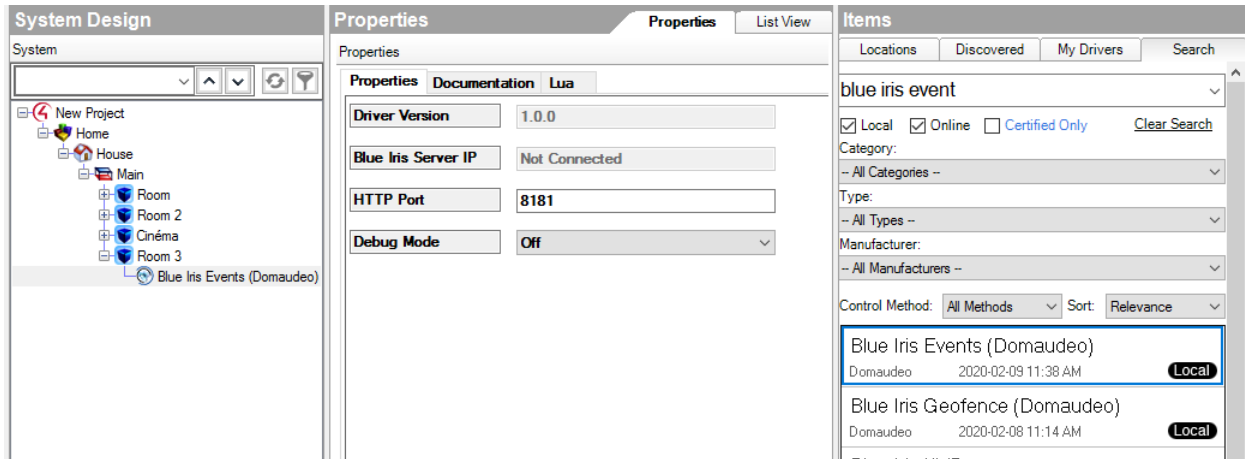
Blue Iris Evaluation Version

Camera 01  
13/12/2019 8:43:12 PM

Status = Motion JPEG    Frame: 30

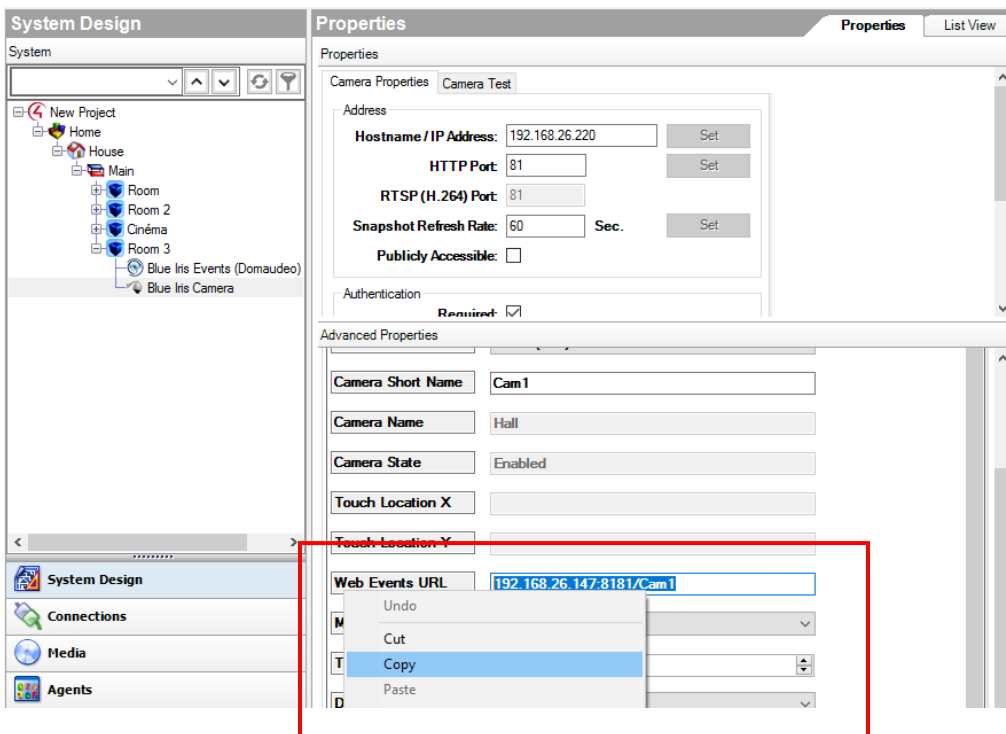
## Part 2: Motion and Event trigger

### 1- Add the Blue Iris Event driver to the project

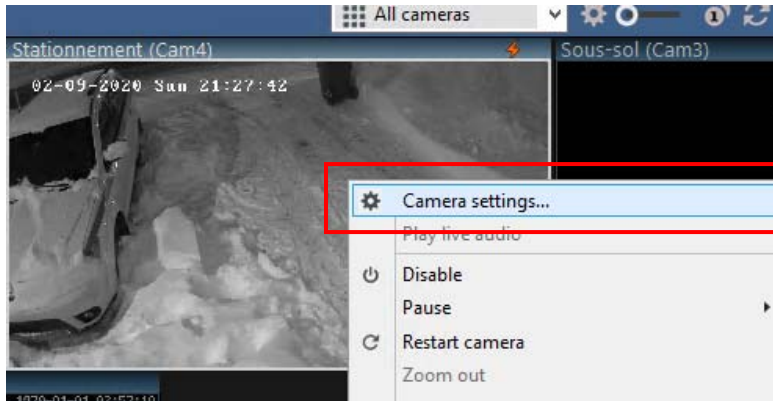


There is nothing to configure in this driver, except if you need to change the default HTTP port used by the internal server.

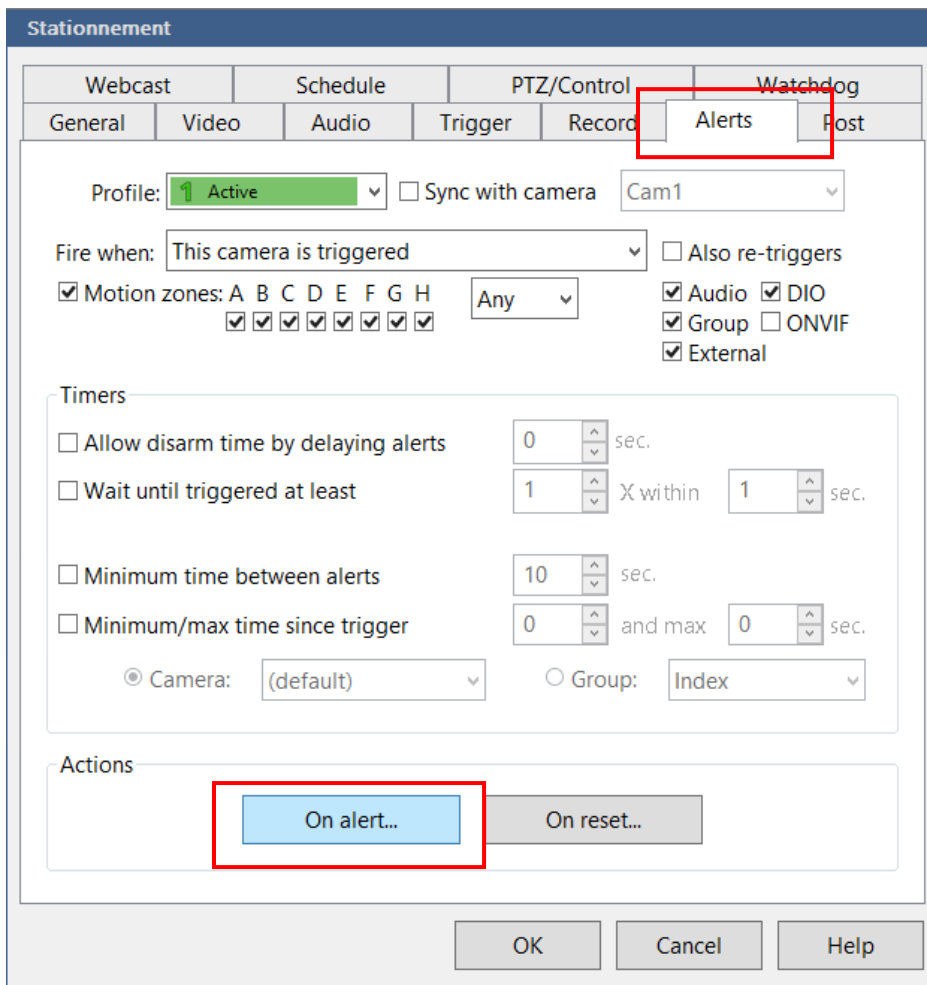
### 2- Go to any of your Domaudeo Blue Iris Camera or Geofence driver and copy the Web Events URL from the Properties



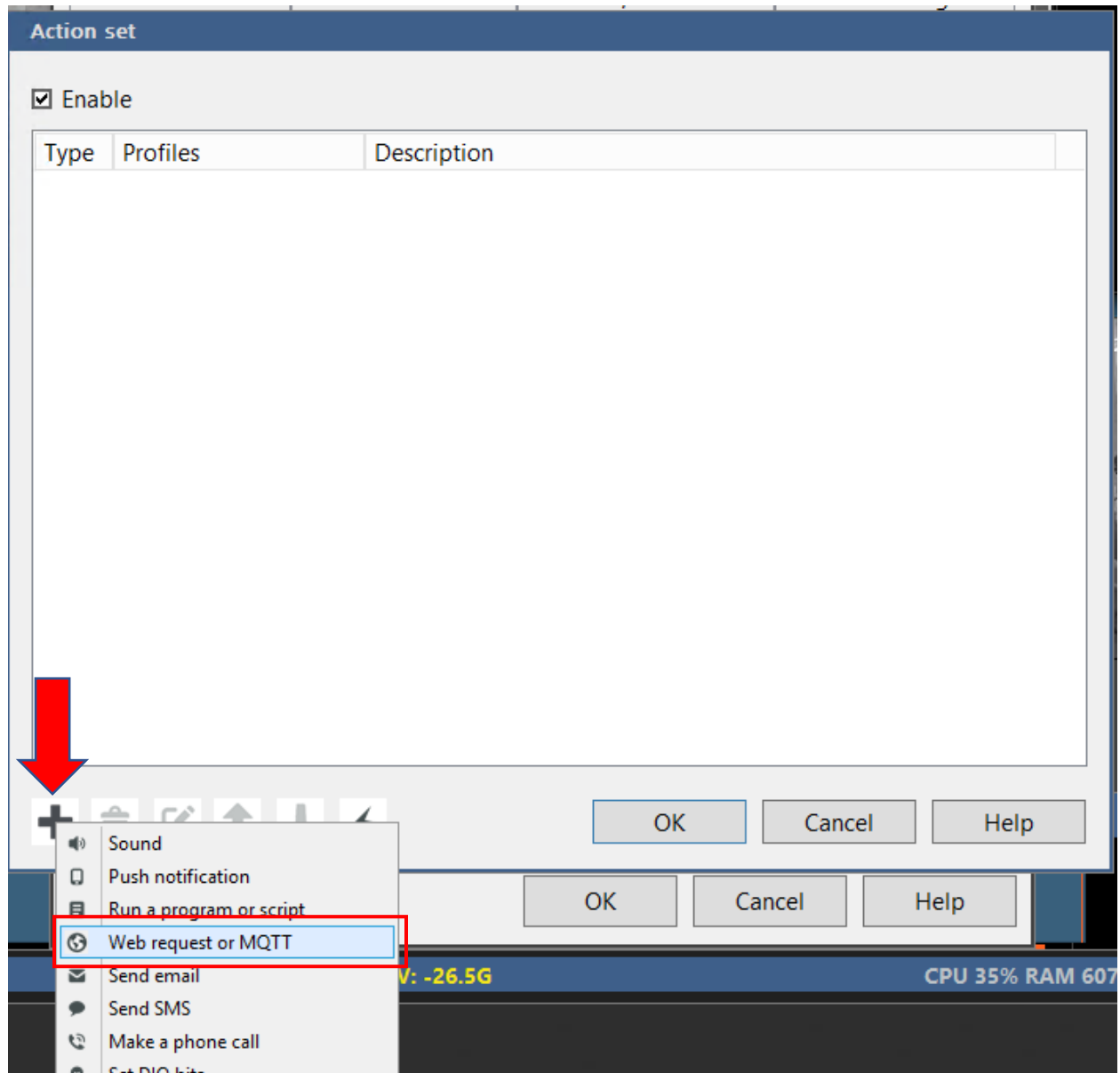
### 3- In Blue Iris, bring the Camera settings by right clicking a camera view



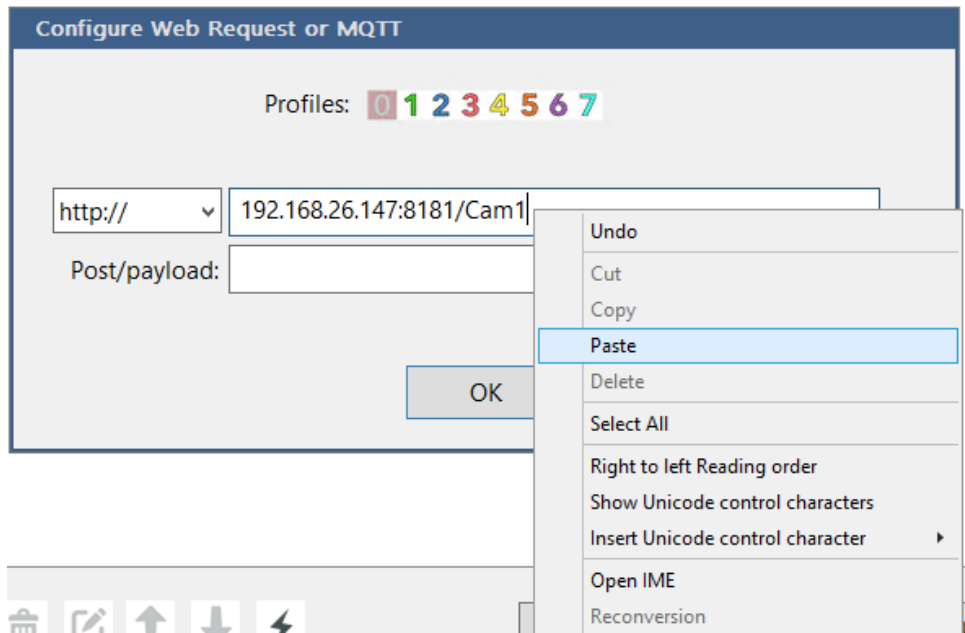
### 4- Select the "Alerts" tab and click on "On alerts" in the Actions section



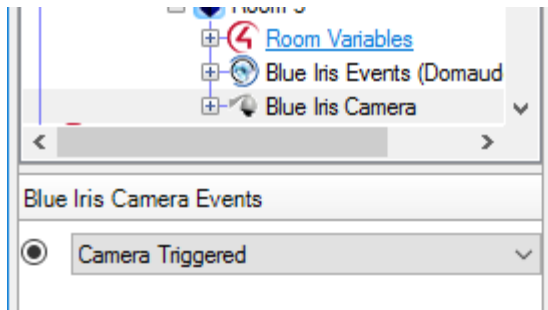
**5-** In the Action set window, click on the “+” icon and select “Web request or MQTT”



## 6- Paste the URL you have copied from the driver properties



Now you can use either the Programming action “Camera Triggered”:



If you plan to use Event Triggering for Motion detection, you can connect a Motion Sensor driver to the camera's contact binding:

**Connections**

Control/AV Network

**Control & Audio Video Connections**

Name	Type	Connection	Input/Output	Connected To
<b>Control Inputs</b>				
Contact Sensor	Control	CONTACT_SENSOR	Input	Blue Iris Camera->Trigger Contact Sensor

Device	Name	Location	Connections
Home Controller HC250	CONTACT	Room 2	
Motion Sensor	Motion	Room	
Blue Iris Camera	Trigger Contact Sensor	Room 3	Motion Sensor->Contact Sensor

Also, you may need to fine-tune the Motion Sensor settings in Camera Settings to get better motion response:

**Sous-sol 2**

Webcast Schedule PTZ/Control Watchdog

General Video Audio **Trigger** Record Alerts Post

Profile: **Active** ☐ Sync with camera Cam1

**Sources**

- ☒ Motion sensor **Configure...**
- ☐ Global DIO input bits
- ☐ Camera's digital input or motion

**When triggered**

- ☐ Trigger camera groups
- ☐ Restore/focus app window
- ☐ Enable Flash/WM webcasting
- ☐ Move to preset 1
- ☒ Capture an alert list image

**Break time**

End trigger unless re-trigger

**Motion sensor**

Basic

More <--- Sensitivity >--- Less

Min. object size 302

Min. contrast 44

Min. duration 1.0 sec. (MAKE time)

Highlight: Show object rectangles

☒ Only when triggered

☐ Black-out masked areas

Advanced

- ☒ Object detection Edit...
- ☐ Use zones and hot spot Edit...
- ☐ OPPOSITE sense to detect NON-movement
- ☐ Black & white
- ☒ Cancel shadows
- ☐ High definition

Algorithm (all profiles): Simple

Active Zone map: (none)

OK Cancel Help

The settings shown are NOT a reference, play with the settings yourself and check what trigger best the motion sensing for your needs.