Blue Iris VMS Driver Suite version 1.0.8 (2211)

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:

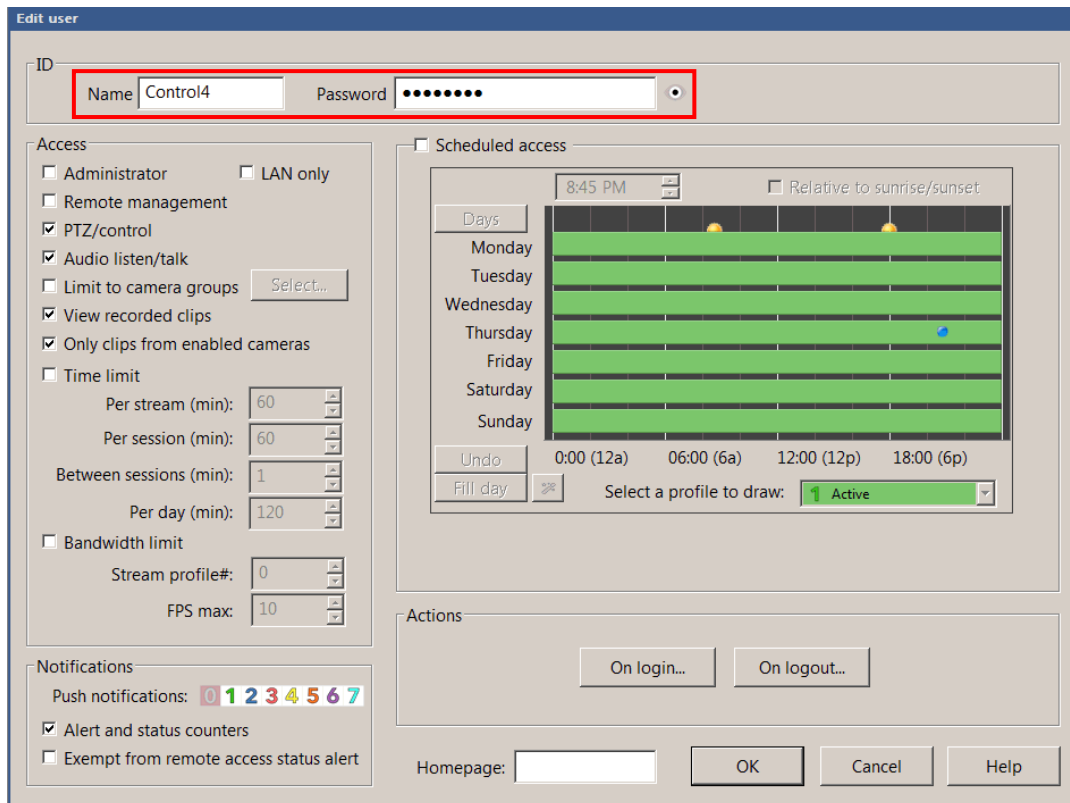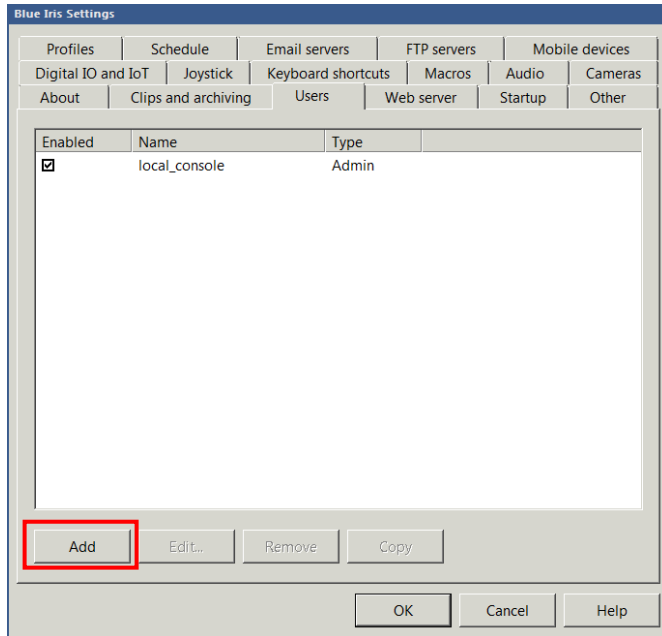**1-**   **Open Blue Iris, click the** [icon] **icon in the left corner and select Settings/Info.**
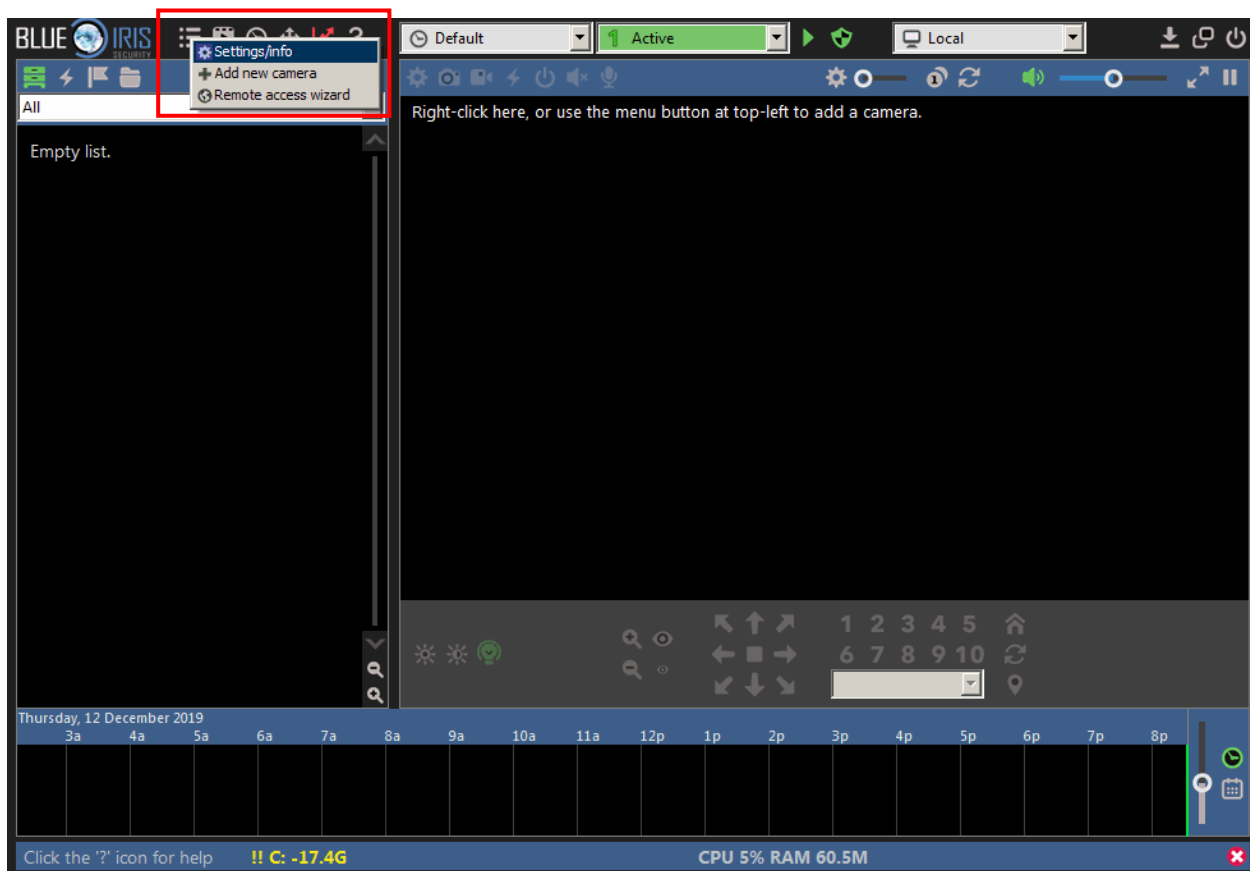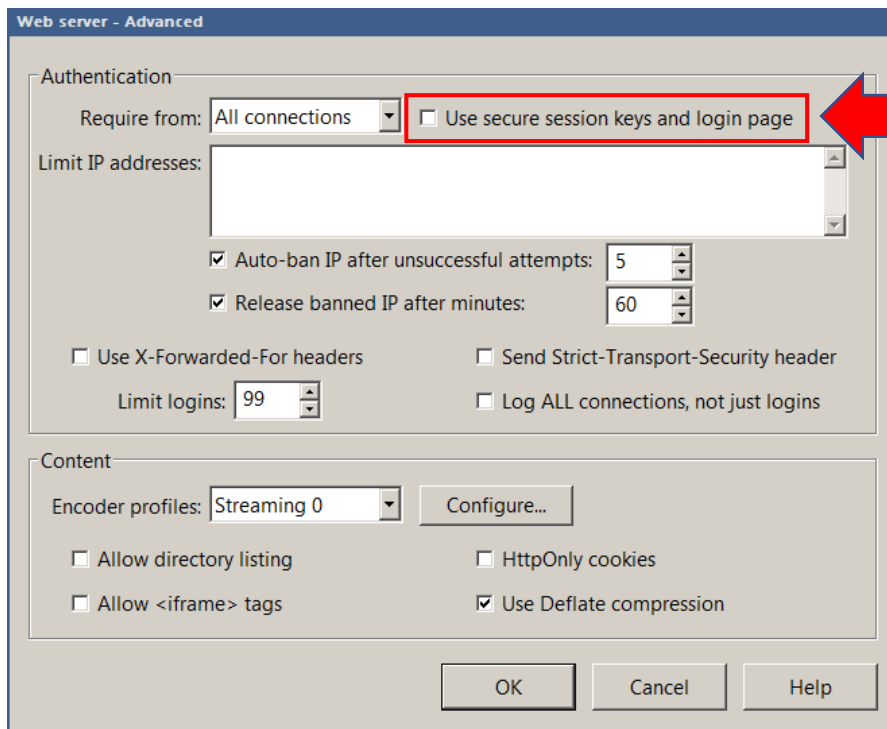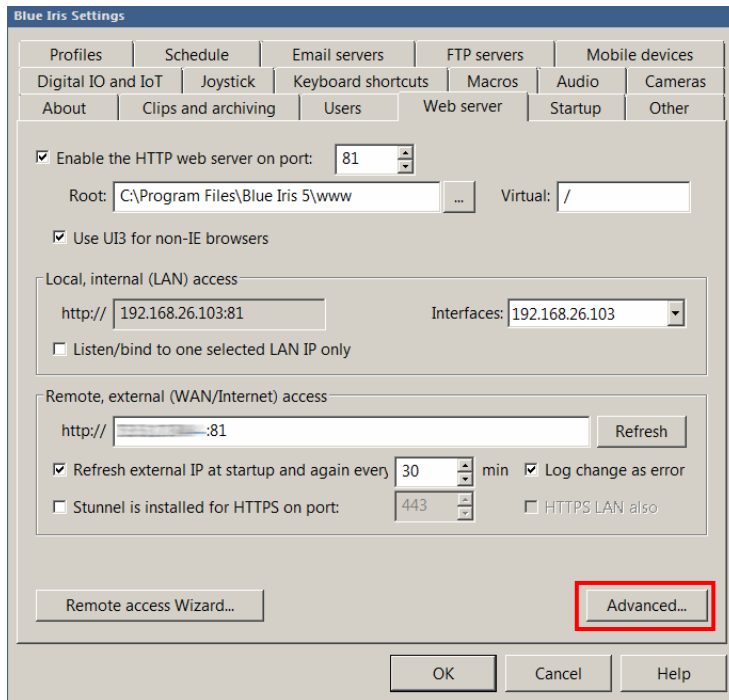
2- In the Blue Iris Settings Window, go to the Users tab, click [Add] and create a new user named "Control4" with "control4" as password. Leave any of the options as-is and click [OK]
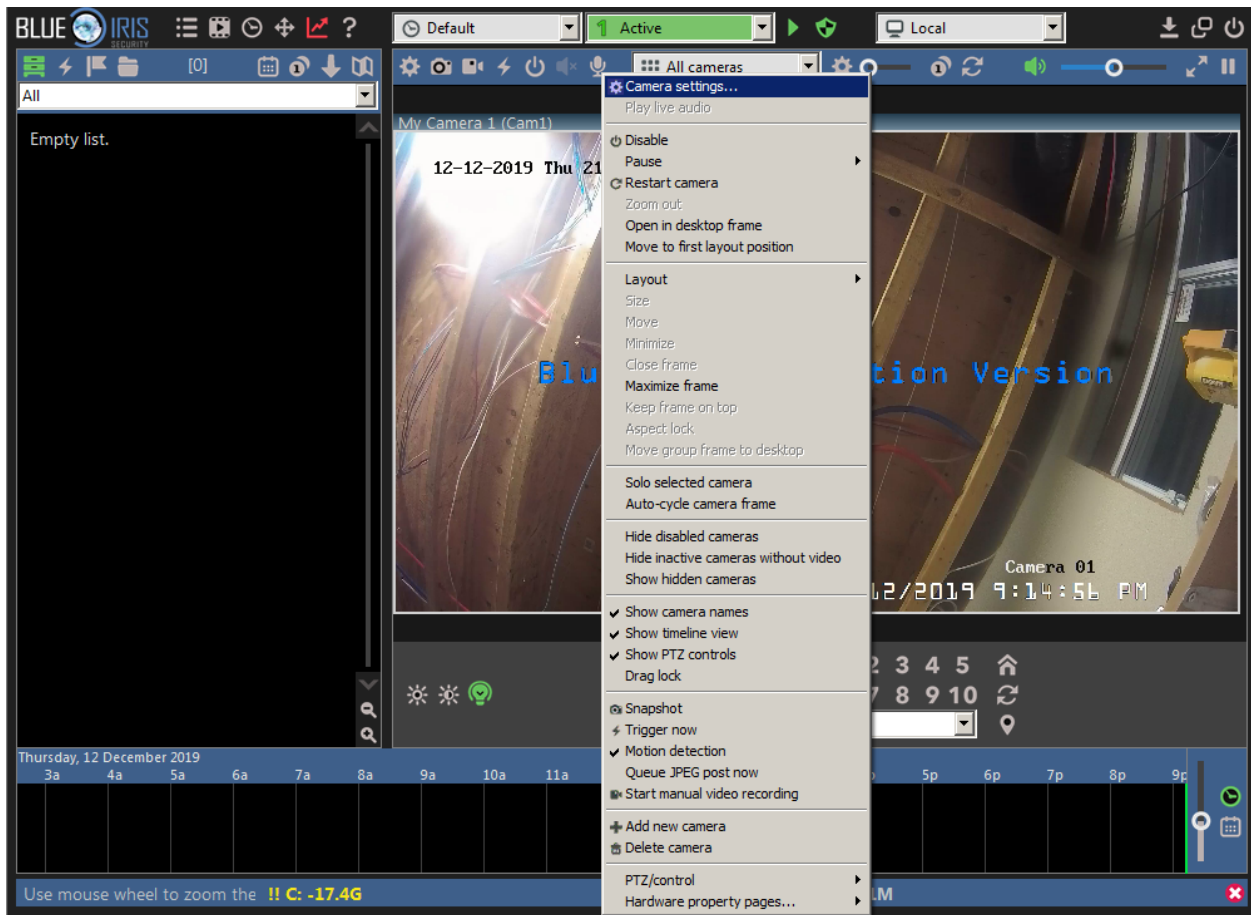
Blue Iris Settings

Profiles	Schedule	Email servers	FTP servers	Mobile devices
Digital IO and IoT	Joystick	Keyboard shortcuts	Macros	Audio	Cameras
About	Clips and archiving	Users	Web server	Startup	Other

Enabled	Name	Type
☑	local_console	Admin

[Add] [Edit...] [Remove] [Copy]

[OK] [Cancel] [Help]

Edit user

ID
Name: Control4   Password: •••••••• ⦿

Access
- ☐ Administrator   ☐ LAN only
- ☐ Remote management
- ☑ PTZ/control
- ☑ Audio listen/talk
- ☐ Limit to camera groups   [Select...]
- ☑ View recorded clips
- ☑ Only clips from enabled cameras
- ☐ Time limit
  - Per stream (min): 60
  - Per session (min): 60
  - Between sessions (min): 1
  - Per day (min): 120
- ☐ Bandwidth limit
  - Stream profile#: 0
  - FPS max: 10

Notifications
Push notifications: 0 1 2 3 4 5 6 7
- ☑ Alert and status counters
- ☐ Exempt from remote access status alert

Scheduled access
☐ Scheduled access
8:45 PM   ☐ Relative to sunrise/sunset

[Days]
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

[Undo]   0:00 (12a)   06:00 (6a)   12:00 (12p)   18:00 (6p)
[Fill day]   Select a profile to draw: 1 Active

Actions
[On login...]   [On logout...]

Homepage: [   ]   [OK]   [Cancel]   [Help]

3- **Still in the Blue Iris Settings Window, select he 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.**

Blue Iris Settings

Profiles	Schedule	Email servers	FTP servers	Mobile devices
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About	Clips and archiving	Users	Web server	Startup	Other

☑ Enable the HTTP web server on port: 81

Root: C:\Program Files\Blue Iris 5\www ... Virtual: /

☑ Use UI3 for non-IE browsers

Local, internal (LAN) access
http:// 192.168.26.103:81 Interfaces: 192.168.26.103
☐ Listen/bind to one selected LAN IP only

Remote, external (WAN/Internet) access
http:// :81 [Refresh]
☑ Refresh external IP at startup and again every 30 min ☑ Log change as error
☐ Stunnel is installed for HTTPS on port: 443 ☐ HTTPS LAN also

[Remote access Wizard...] [Advanced...]

[OK] [Cancel] [Help]

Web server - Advanced

Authentication
Require from: All connections ☐ Use secure session keys and login page
Limit IP addresses:

☑ Auto-ban IP after unsuccessful attempts: 5
☑ Release banned IP after minutes: 60

☐ Use X-Forwarded-For headers ☐ Send Strict-Transport-Security header
Limit logins: 99 ☐ Log ALL connections, not just logins

Content
Encoder profiles: Streaming 0 [Configure...]
☐ Allow directory listing ☐ HttpOnly cookies
☐ Allow <iframe> tags ☑ Use Deflate compression

[OK] [Cancel] [Help]

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.
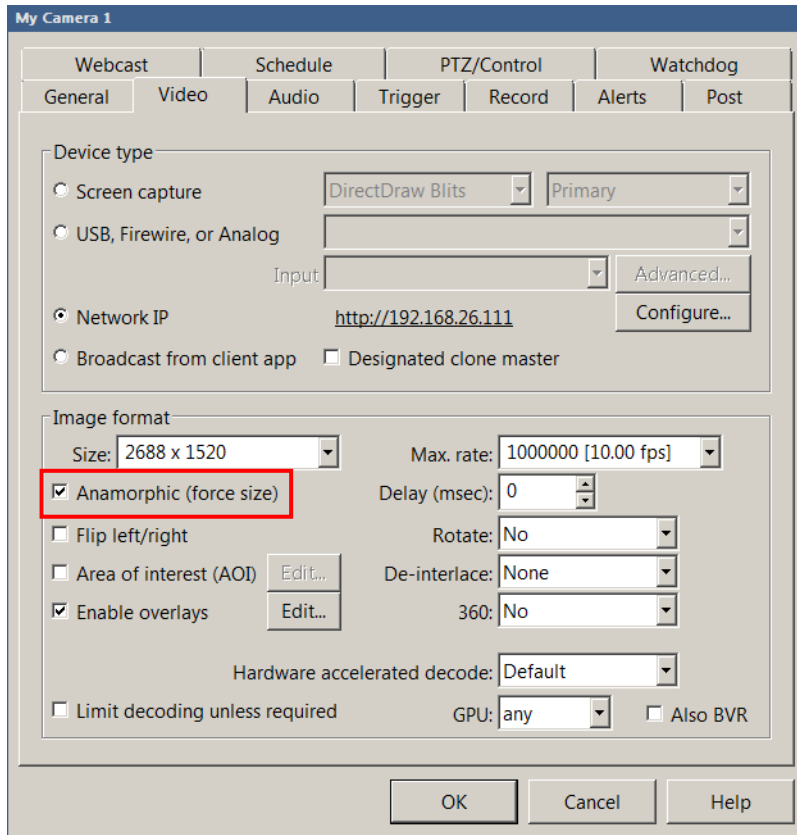

You can use a Screen Ratio Calculator app or website to make sure your aspect ratio is 16:9 compliant, here's an example using https://calculateaspectratio.com/
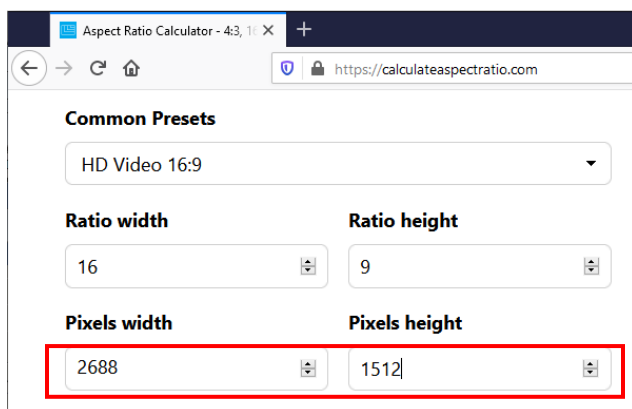
Enter the camera's native Pixel width value and use the calculate Pixel Height value to transpose in Blue Iris

So entering "2688" as width gives us 1512 as the height, not 1520, you need to change the resolution in the Camera Size field:
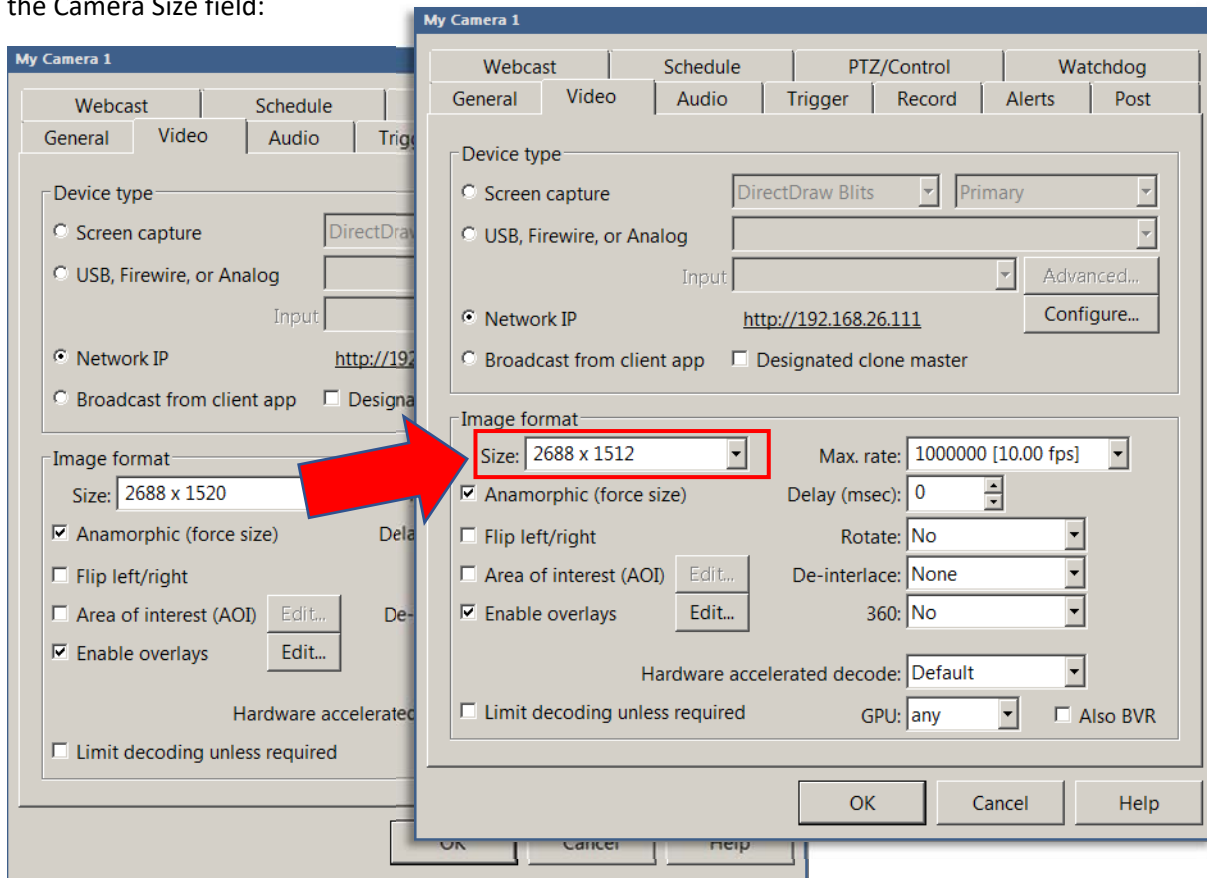
Most cameras may not need to change their resolution as they already output 16:9 resolution, such as 2MP camera that output a standard 1920x1080 resolution. This step is needed only for higher megapixel cameras that does not output 100% 16:9-compliant resolution such as the 4MP camera used for this example.

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:"**

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**

Part 2: Motion and Event trigger

1- Add the Blue Iris Event driver to the project
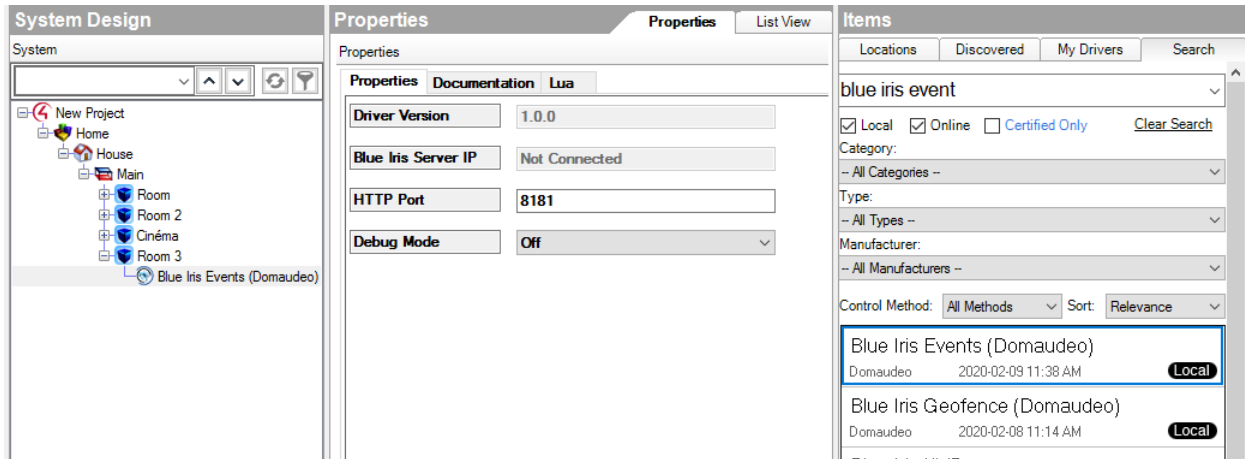
There is nothing to configure in this driver, expect if you need to change the default HTTP port used by the internal server.
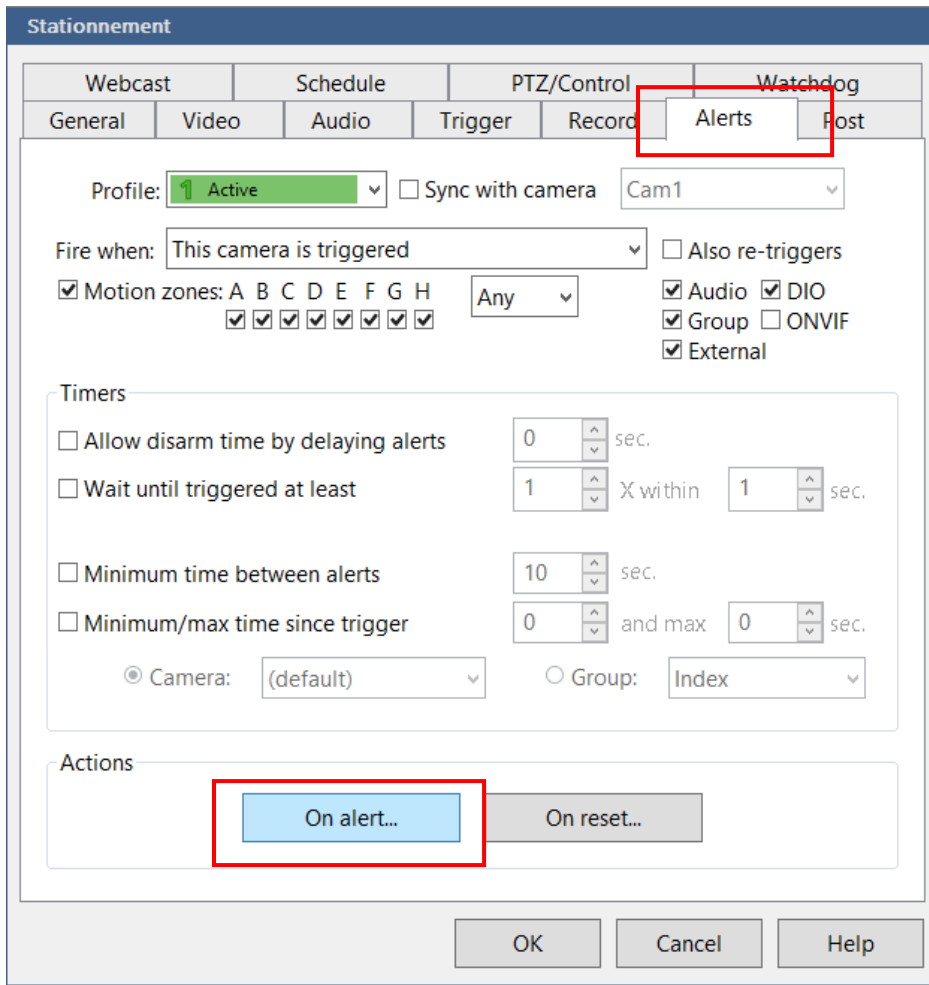
2- Go to any of your Domaudeo Blue Iris Camera or Geofence driver and copy the Web Events URL from the Properties
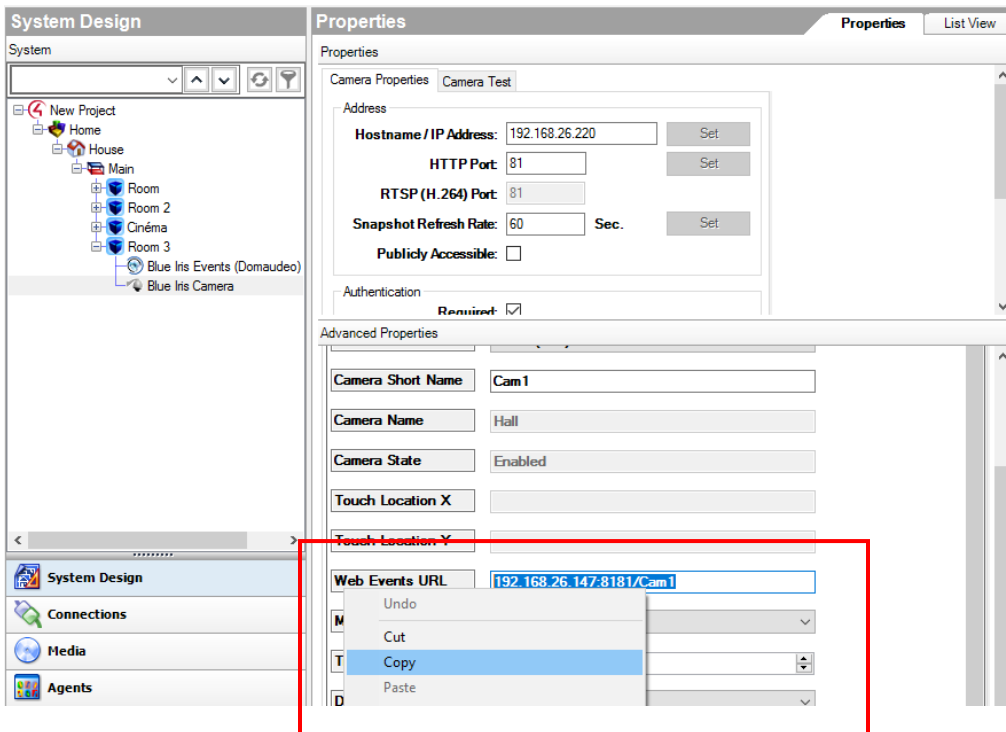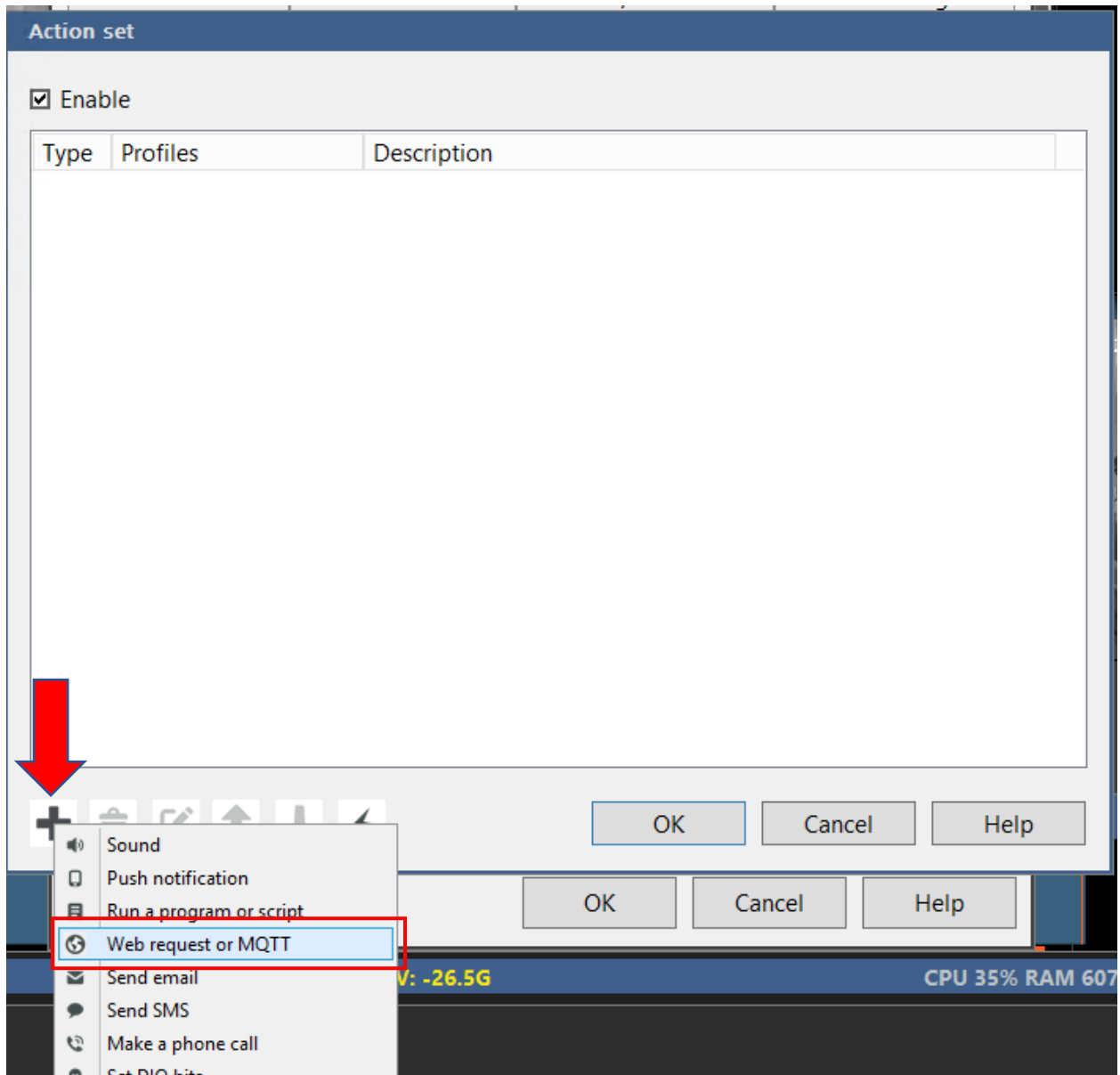
3- In Blue Iris, bring the Camera settings by right clicking a camera view
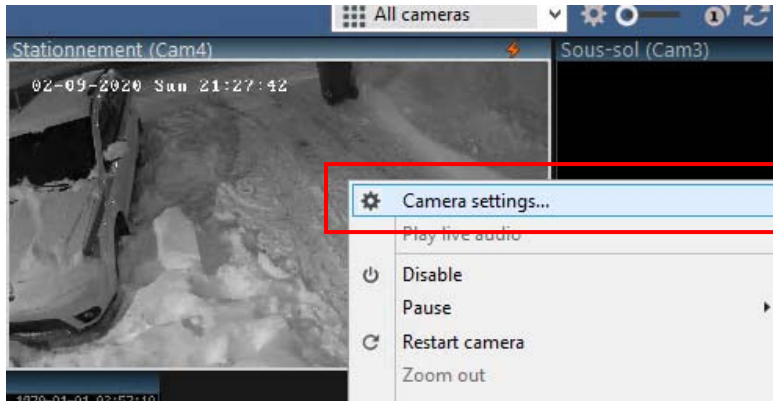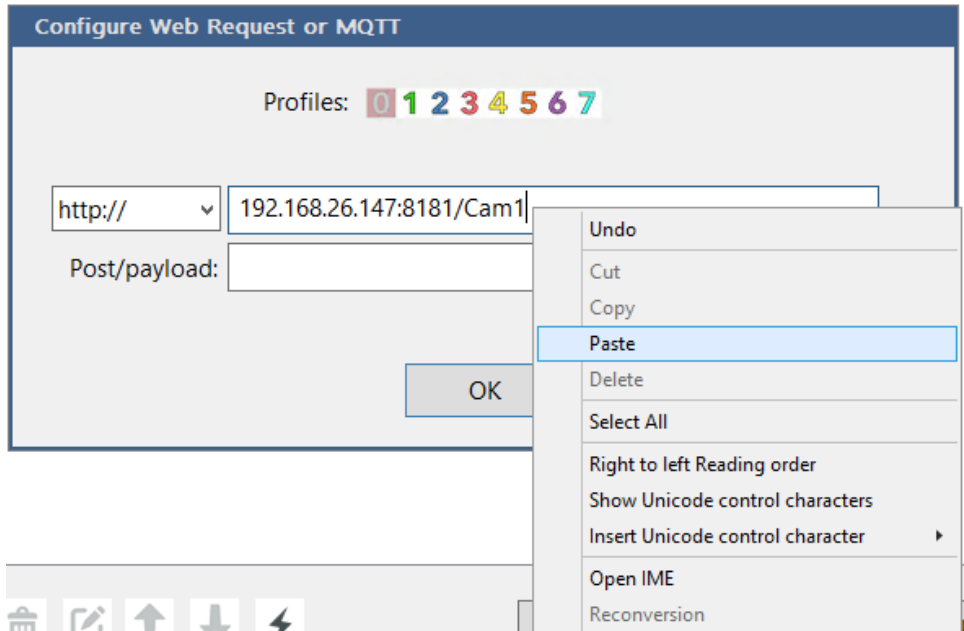

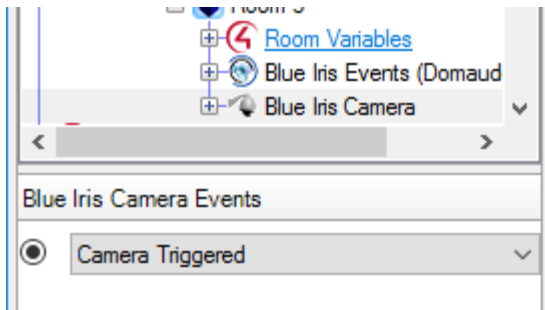**4-** Select the "Alerts" tab and click on "On alerts" in the Actions section

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

Configure Web Request or MQTT

Profiles: 0 1 2 3 4 5 6 7

http:// ⌄   192.168.26.147:8181/Cam1

| Undo |
| Cut |
| Copy |
| **Paste** |
| Delete |
| Select All |
| Right to left Reading order |
| Show Unicode control characters |
| Insert Unicode control character ▸ |
| Open IME |
| Reconversion |

Post/payload:

OK

Now you can use either the Programming action "Camera Triggered":

⊞ Room Variables
⊞ Blue Iris Events (Domaud
⊞ Blue Iris Camera

Blue Iris Camera Events

⦿ 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:

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

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