

Elan Driver Release Notes

08 Jan 18

A dedicated Luma IP camera driver for use with an Elan control system is still in development. In the meantime, a navigation driver can be found on the Luma recorder product pages. Alternatively, you can use the steps at the end of this document to add your cameras to an Elan system.

Features Added

The navigation driver supports:

- Privacy masks
- Navigation control
- PTZ camera control

You can enable and disable the following for each channel:

- Send motion email notification
- Send alarm email notification
- Record schedule

Known Limitations

There is no support for IP camera streaming through the PoE port of the NVR.

With g! v.7.0, remotely viewing streams can only be done at low resolution (this is fixed with v.8.0).

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Required Customization

Put the cameras on a separate switch and set them to use the ONVIF profile (unfortunately, the ONVIF profile does not allow you to specify the RTSP port, thus using ONVIF also requires using a separate switch). Ensure the cameras are using H.264 for their main stream and MJPEG for their substream.

Customize all desired camera settings properly before adding them to the Elan control system. Once the cameras are attached to the Elan system, settings made through Elan will not propagate down to the cameras.

Once all cameras are ready, discover them through the network.

Recommended Settings

Luma IP camera settings and Elan settings should match these:

Main Stream:

- Format: H264
- Framerate: 15
- Bitrate: 2048



Secondary Stream:

- Format: MJPEG
- Framerate: 15
- Bitrate: 1024

Important Note

Please ensure the sub stream on your control system is set to 6 frames per second or higher. Some control systems treat a stream with lower frame rates as if it were an image.

Features Added

Support of JPEG/MJPEG streaming on an external switch via ONVIF.

Known Limitations

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Setting Up

This outlines how to set up and pull streams from cameras connected to a Luma NVR via its POE ports. In this typical configuration, the cameras are on a different subnet to keep LAN traffic to a minimum. Because the Elan controller is on a different subnet from the cameras, it cannot directly access the camera streams. However, by using specific settings for the cameras, NVR, and the Elan controller, the camera streams can be accessed.

These instructions are explicitly for Luma NVRs. They do not work with the DVR as the DVR has a custom driver. They also have not been tested with Wirepath models.

Configure the NVR and cameras as shown on the previous page. Ensure you have the following data handy:

- The NVR's IP address
- The NVR's Login Credentials
- The Camera's Login Credentials

Load the Streams via the Generic URL Video Driver

- 1. From the video tab, click Add New Video Source/Camera.
- 2. From the list, select "Generic URL Video Camera" and press OK.
- 3. In the IP Address box, enter the address of the NVR.
- 4. Under UserName and Password, use the credentials of the camera.
- 5. For the URL, Enter the following: /wps-cgi/mjpg/video.cgi?resolution=640x360
- 6. For the port number, enter the following that corresponds to the camera:
 - Camera 1 = 65001
 - Camera 2 = 65002
 - Camera 3 = 65003
 - Camera 4 = 65004
 - Etc.
- 7. Configure the rest of the settings as desired. Your dialog should end looking like this:

Common Mistakes

If it doesn't work, check for the following:

- Incorrect URL
- Incorrect login credentials
- Incorrect second stream format; it must be set to MJPEG

If you need further assistance setting up your Elan system, please reach out to Elan's dealer support.

Name	Generic URL Video Cam	era	
Device Type	🗖 Show U	Jnsupported (Device
Name	Version	Vendor	1
AXIS M7014 Port	8.1 Build 395.0 Rel	Elan	
AXIS M7014VE	8.1 Build 395.0 Rel	Elan	
AXIS P3301	8.1 Build 395.0 Rel	Elan	
AXIS P5512PTZ	8.1 Build 395.0 Rel	Elan	
Generic URL Video Camera	8.1 Build 395.0 Rel	Elan	
ONVIF Video Source (Dynamic)	8.1 Build 395.0 Rel	Elan	
ONVIF Video Source (Static)	8.1 Build 395.0 Rel	Elan	
Panasonic Pro Series	8.1 Build 395.0 Rel	Elan	
Panasonic Standard Series	8.1 Build 395.0 Rel	Elan	
Vivotek Network Camera 7xxx/8xxx	8.1 Build 395.0 Rel	Elan	- 1
Vivotek Video Port on VS2403	8.1 Build 395.0 Rel	Elan	
			<

	a : Generic URL Video Camera	
Name	Camera 1	
System #	20164	
Driver Version	8.1 Build 395.0 Rel	
Driver Vendor	Elan	
Device Type	Generic URL Video Camera	
URL	/wps-cgi/mjpg/video.cgi?resolution=640x360	
IP Address	192 . 168 . 0 . 65	
Port	65001	
UserName	admin	
Password	admin	
Flip Image 180	No	
Hide Full Screen Control	No	
Hide Resolution Control	No	
Default Resolution	Auto 💌	
Enable DVR	No	
Enable Transcoder	No	
Transcoder Res	< SELECT >	
Record Resolution	< SELECT >	
Record Mode	Auto (Medium Sensitivity)	
	1/60sec -	