Integration Note

Manufacturer:	Visualint
Model Number(s):	VIM Series Cameras
g! Core Module Version:	7.3.547
Driver Developer:	Core Programming Limited
Document Revision Date:	04/09/16

Overview & Supported Features

This driver allows a g! system to communicate IO events with a Visualint VIM camera via Ethernet.

THE FOLLOWING OPTIONS ARE SUPPORTED BY THIS DRIVER:

Stream Control: Video streams from the camera can be enabled and disabled from ELAN g!

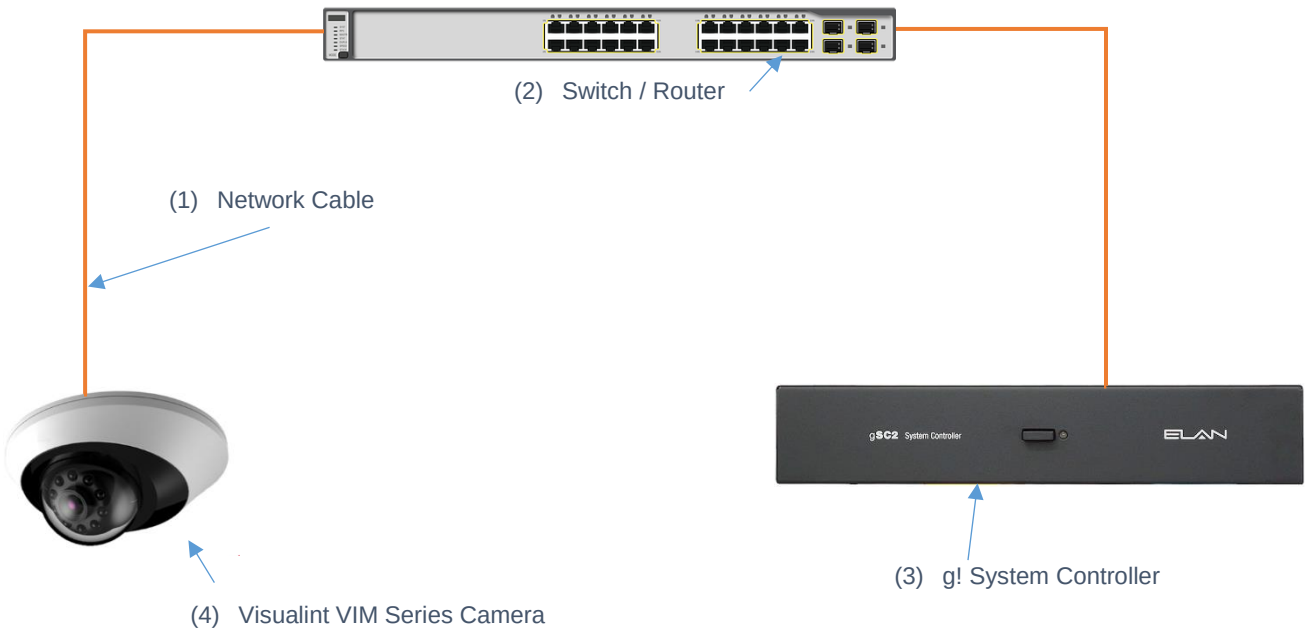
VCA Rules: VCA Rules that are setup on the camera can be enabled and disabled by ELAN g!

Event notification: The g! system can read when alarm events have been triggered and use them in event maps.

Any feature not specifically noted as supported should be assumed to be unsupported.

CONNECTION DIAGRAM: ETHERNET CONTROL

Refer to the Bill of Materials and Wiring Diagram that follow.



Bill Of Materials

	Device	Manufacturer	Part Number	Protocol	Connector Type
1	Camera	Visualint	Various	Ethernet	RJ-45 Female
2	g! Controller	ELAN	Various (e.g. SC2)	Ethernet	RJ-45 Female
3	Network Switch	Various	Various	Ethernet	RJ-45 Female
4	Network Cable	Various	Various	Ethernet	RJ-45 Male

VISUALINT CAMERA SETUP

Please setup the camera including any rules or trip line events using the manufacturers supplied manuals.

For video setup please see the ELAN g! ONVIF integration note.

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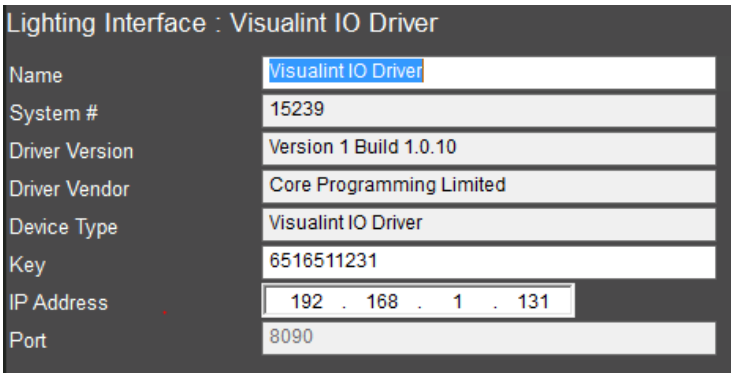
DRIVER LICENSE

This driver requires a license key to function. Pricing and license keys can be obtained by visiting www.intrinsicdev.co.uk

The factory system name or controller MAC address is needed to generate a license key.

INSTALLATION:

The license key is entered on the main properties page of the zone controller.



Once you enter the product license key as shown above click “Apply” to save it and then “Activate” to activate the driver.

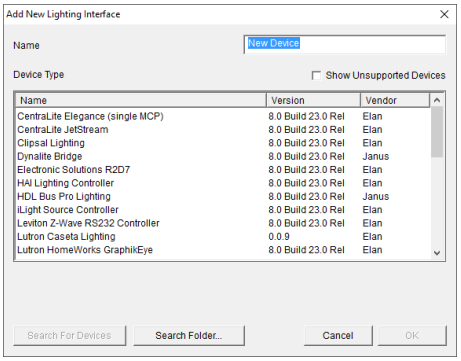
g! CONFIGURATION

The installation process will involve loading a Lighting Interface driver. At present due to limitations in ELANs API the only way to bring events into ELAN in an event map able way is to use a lighting driver.

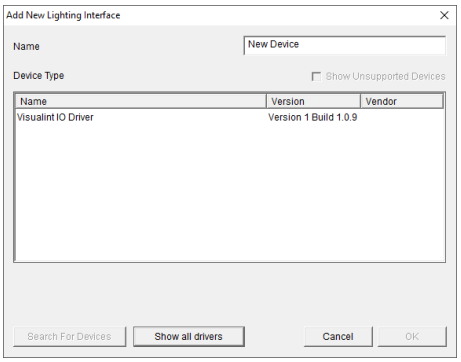
INSTALLATION PROCESS

It is recommended that you follow the below installation process in order to ensure you are running the latest version of the driver. Download the latest version of the driver from the ELAN dealer support site or get it from your order confirmation email. If the file is zipped, then extract it to a known location.

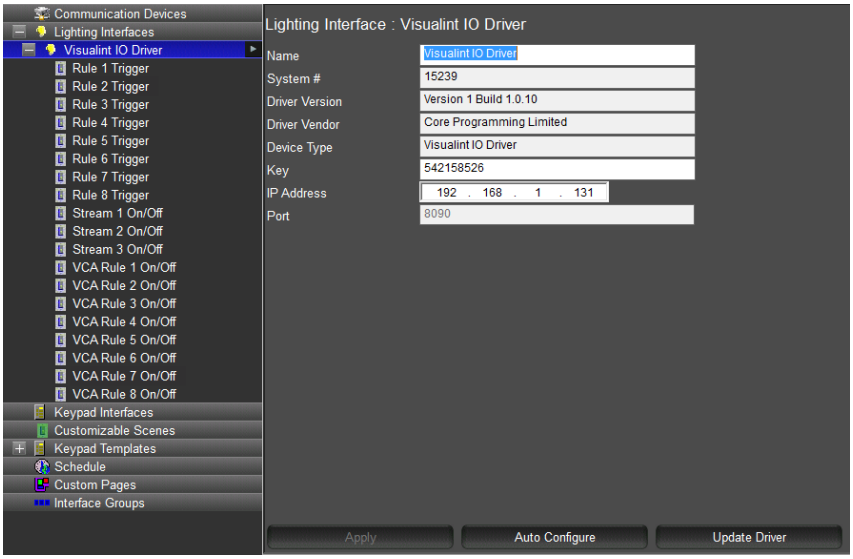
Under the Lighting tab in configurator, right click Lighting Interfaces and select Add New Lighting Interface.



On the next window use the Search Folder button to point Configurator to the location you saved the driver.



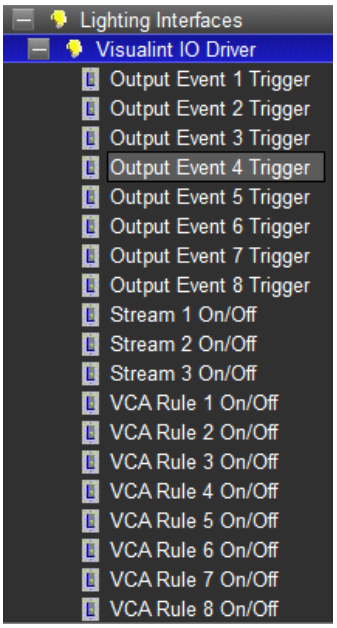
Select the driver and click OK.



Enter your license key and camera IP address then click “Apply” followed by “Auto Configure”

Driver use

Once the Auto Configure button has been pressed the following “Lighting” devices will be populated:



The Output Event Triggers allow for 8 Visualint Events to be setup and read by ELAN. See notes below.

The remaining On/Off devices can be used to switch on or off the cameras video streams or VCA rules.

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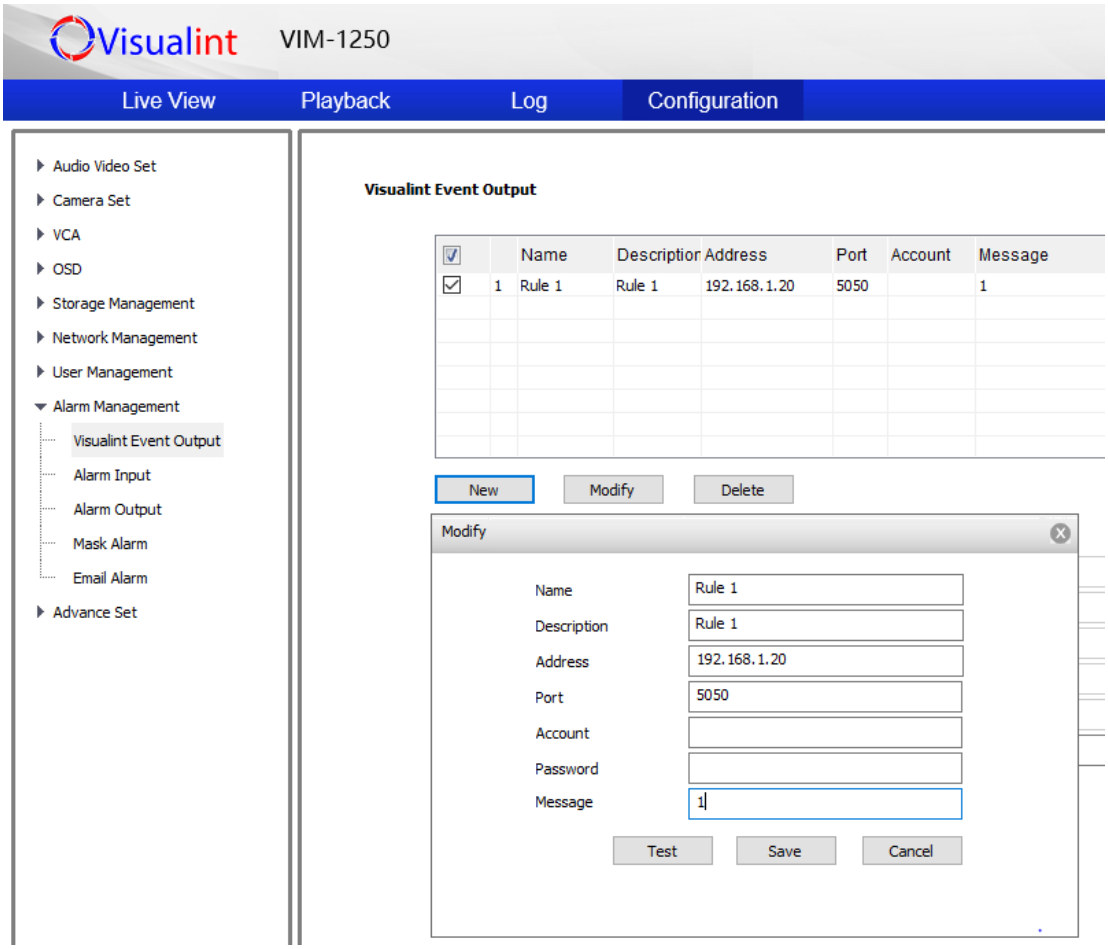
Triggers:

A Visualint Output Event needs to be setup on the camera to enable a VCA Rule Event to be sent to the ELAN controller.

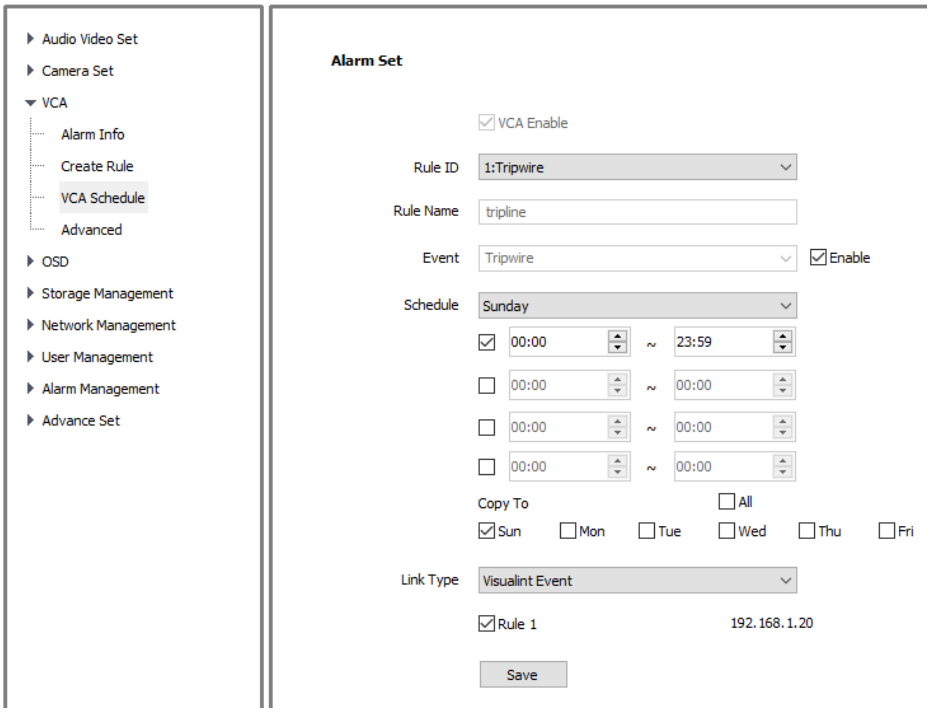


For each VCA rule that you want to link ELAN you will need to create an event output like the one in the example above. Setup the rule as follows:

Name & Description: User defined.
Address: Enter the IP address of your ELAN controller. Controller must be static.
Port: This must be set to 5050
Account & Password: Not Required
Message: This must be a number from 1 to 8 and directly relates to the 8 Triggers in the driver.

Note: Clicking Test on this window will return a “fail” message, this is normal and should be ignored.

Under VCA schedule we need link each VCA Rule to an output event by using the Link Type drop down menu as below.



Once the trigger is setup correctly in the camera we can setup ELAN to “listen” for the event.

This can be done in an event map window as below by selecting on of the trigger events and using the “On” event. When ELAN receives a Visualint Event from the camera it will switch on the relevant event (lighting circuit) for 1 second and then switch it off again to wait for another event. Using the “On” event in and event map we can then create an event map that will be activated every time a Visualint Event is received.

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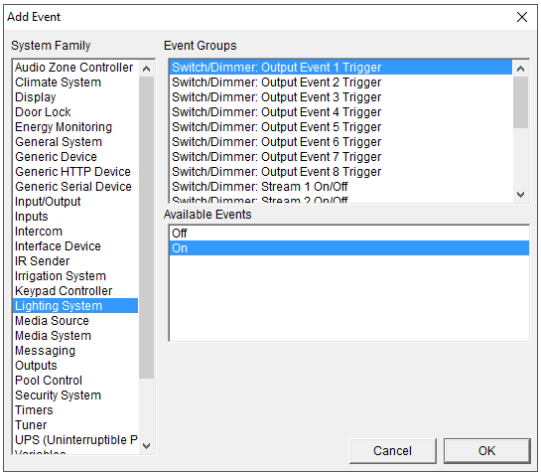
Add Event
System Family
Audio Zone Controller
Climate System
Display
Door Lock
Energy Monitoring
General System
Generic Device
Generic HTTP Device
Generic Serial Device
Input/Output
Inputs
Intercom
Interface Device
IR Sender
Irrigation System
Keypad Controller
Lighting System
Media Source
Media System
Messaging
Outputs
Pool Control
Security System
Timers
Tuner
UPS (Uninterruptible P
Event Groups
Switch/Dimmer: Output Event 1 Trigger
Switch/Dimmer: Output Event 2 Trigger
Switch/Dimmer: Output Event 3 Trigger
Switch/Dimmer: Output Event 4 Trigger
Switch/Dimmer: Output Event 5 Trigger
Switch/Dimmer: Output Event 6 Trigger
Switch/Dimmer: Output Event 7 Trigger
Switch/Dimmer: Output Event 8 Trigger
Switch/Dimmer: Stream 1 On/Off
Available Events
Off
On
Cancel
OK

COMMON MISTAKES

Not setting up VCA rules and events in the camera correct. Please check with Visualint Support to ensure this has been done correctly.

ELAN Developer Partner Information

This ELAN driver was written and supported by:

info@intrinsicdev.co.uk
www.intrinsicdev.co.uk