



Integration Note

Manufacturer:	Hikvision NVR
Model Number(s):	I-Series 4/8/16 Channel (Custom Firmware)
g! Core Module Version:	8.3
Driver Developer:	Simplux
Document Revision Date:	26/02/2020

Overview & Supported Features

This driver currently only works well for Live Preview changes. However, it still has navigation control in GUI, but it's currently not smooth. Hikvision is aware of this and are currently optimizing the customized firmware to make it friendlier along with the way the Onscreen NVR GUI is navigated.

This is an IP driver to control the remote control functions of the Hikvision NVR I-Series Models. This will only work with a custom firmware which needs to be updated on the NVR depending on the model. Firmware update is provided in the driver folder.

This driver works as a source device in the Elan Configurator.

Note: Do no use the version 4 firmware from the Hikvision website. This version does not support the Hikvision ISAPI. Please use the provided custom firmware from Hikvision which is included in the folder.

THE FOLLOWING OPTIONS ARE SUPPORTED BY THIS DRIVER:

- Basic Remote control functions with navigation keys
- Access to the Menu Screen
- Direct Playback Button
- Play/Pause/Stop Controls
- Changing NVR live view screens (1,4,6,8,9,16,25,32,64)
- Recalling a direct camera live view by pressing the camera number

THE FOLLOWING FEATURES ARE NOT SUPPORTED BY THIS DRIVER:

- No events status from the cameras are provided as Feedback
- No feedback is provided from the NVR







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

Hikvision NVR Configuration

- 1. Using the Hikvision SADP software, find the IP address of the Hikvision NVR and change this to a static IP address
- 2. Upgrade the Hikvision Firmware by going under Configuration > System > Maintenance

HIKVISION		Live View	Playback	Picture	Application	Configuration				👍 Download Plug-in	👤 admin	🕧 Help	E+ Logout
System		Upgrade & Maintena	nce Online L	Jpgrade Log	Diagnose								
System Settin	ngs	Reboot											
Live View Se		Reboot	Reboot 1	the device.									
Maintenance		Default											
Security Camera Man	agement	Restore	Reset al	I the parameters, ex	cept the IP parameters a	ind user information, to	the default settings.						
User Manage	-	Default	Restore	all parameters to de	fault settings.								
Network		Export											
Video/Audio		Device Param	eters										
Image		Import Config.	File										
Event		Device Parameters				Brow	import						
🗄 Storage		Status											
R Vehicle Deter	tion	Upgrade											
Co VCA		Firmware *				Brow	se Upgrade						
🔚 Human Body	Capture	Status											
		Note: The upgrad	ing process will	be 1 to 10 minutes,	, please don't disconne	ct power to the devic	during the process.	The device reboots aut	tomatically afte	r upgrading.			

- 3. Once the upgrade is done the NVR can be controlled through Elan.
- If you require the NVR to be controlled directly without having to input their passwords, then do the following using the NVR GUI display. Go to Settings > General > Untick Enable Password.

General		Language	English	5		Enable HDM	MI/VGA S	Sim			
User		Time Zone	(GMT+00:0	- (00		VGA Resolu	ition		1024'7	68/60ŀ ·	
		Date For	YYYY-MM-	DI -		HDMI Resol	lution		1024'7	68/601 -	
Network	3	System D	0-00-00	目		Mouse Poin	ter Spe.	Slo	w		Fas
Event	2	System T	00:00:00	۲		Enable DST	33				
2 Live View	3	Device N				DST Mode			Auto	Manual	8
RS-232		Device No.	0			Start Time	Ja	15	SL	0	: 00
		Auto Log	Never	15		End Time	Ja	11	St	0	: 00
Holiday		Enable Wiza	rd	DST Blas				30 Minutes			
		Enable Pass	word	11							







Elan Configuration

It is recommended that you follow the below installation process in order to ensure you are running the latest version of the driver.

In the configurator under the Media Tab, then Sources

- 1. Right-click on Sources
- 2. Choose Add New Generic Media Source

System Security Climate Lighting Content	Gommunication Protess Gommunication Protess Gomer Gomer		
Media Video		Add New Generic Media Source	
Messaging		Name	New Device
		Device Type	C Show Unsupported Dev
Irrigation		Name	Version Vendor
Pool Control		Hikvision_IP_Driver	1.0.1 Simplux Ltd
Utilities			
Interface			
Event Mapper			
Layout			
		Search For Devices Search Folder	Cancel OK

- 3. From the Add New Generic Media Source pop-up, choose Search Folder
- 4. Select the driver from the folder its saved in and Click OK







5. Under License Key, type the purchased key to activate the license. Alternatively type "TRIAL" for a free one month trial period to test the driver. Then type the Username, Password, IP Address and Port Number of the NVR

System	Communication Devices Sources	Generic Media Source		
Security	Hikvision_IP_Driver		Hikvision_IP_Driver	
Climate	Hikvision_IP_Driver SonyTv2.emv		19544	
	Sony iv2.emv		Enabled 🔹	
Lighting	🗐 🔲 Sony XBR Display/Sources		Connected	
Content	Zone Controllers Interface Templates		1.0.1	
Media	Interface Groups		Simplux Ltd	
			3/17/2020 7:19	
Video			Hikvision_IP_Driver	
Messaging			Trial Trial Running	
Irrigation			admin	
Pool Control			No ·	
Utilities			192 . 168 . 0 . 93	
Interface			80	
Input/Output				
Event Mapper				
Layout				
		Apply	Update Driver	

6. Click Apply



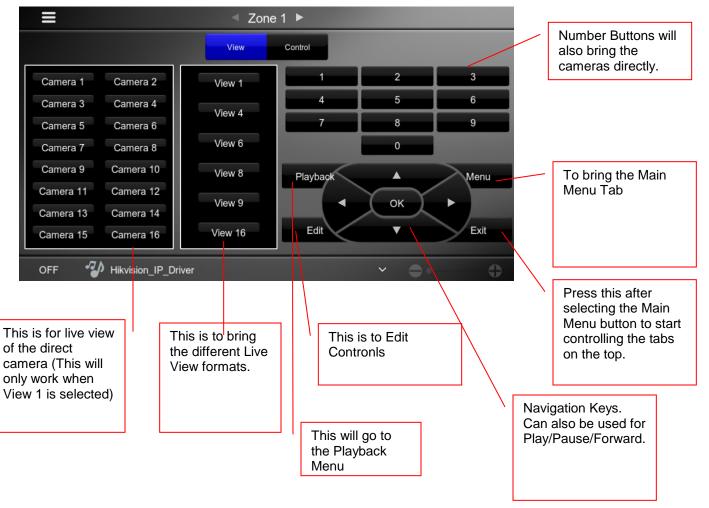




How to Navigate the Hikvision NVR

It is recommended that you follow the below navigation process in order to ensure you experience a fluent control of the NVR. Due to the limitation of the GUI on Hikvision and the way the API is provided a step by step process must be followed to control the NVR.

View Mode on the Elan Interface









View Mode on the Elan Interface



Control in Live View

- Use the View Modes to have multiple screens of cameras.
- Select View 1, then the direct camera number to see each camera in full screen.
- Press the Menu button to show the main menu screen tabs at the top. Then press Exit to start navigating the tabs.
- Press Playback to go directly to playback menu.
- Press Record this will Start/Stop recording on all channels.

Steps for Control in Playback

- Press Playback to go directly to playback menu.
- If only one camera is required, press the camera number to select the camera and it will start to play automatically on the current day.
- Then press the preview button to view more than one camera.
- Then press playback to switch between the play/pause control menu and the date selection menu. When you press playback it switches between the Play/Pause controls tab and the date selection tab.
- Press stop to end playback.
- Press Exit to navigate the top tabs on the main menu to go back to live view.







g! CONFIGURATION DETAILS

The following table provides settings used in Configurator. Please refer to the Configurator Reference Guide for more details.

In the table below:

- "<User Defined>", etc. Type in the desired name for the item.
- "<Auto Detect>", etc. The system will auto detect this variable.

Devices	Variable Name	Setting	Comments / Notes
Sources	Name	<user defined=""></user>	
	System #	<auto detect=""></auto>	
	Status Color Coding	<user defined=""> Enabled o</user>	r
		Disabled	
	Driver Version	<auto detect=""></auto>	
	Driver Vendor	Simplux	
	Installed	<auto detect=""></auto>	
	Device Type	<auto detect=""></auto>	
	License Key	<user defined=""></user>	Type Purchased Driver Central
			License Key or Type "TRIAL" for 1
			Month Free Trial







License Status	<auto detect=""></auto>	Driver Status Feedback
Username	<user defined=""> (Default admin)</user>	Type the username of the NVR.
		Default is admin
Password	<user defined=""></user>	Type the Password of the NVR
Debug	<user defined=""> (Default NO)</user>	Enable Debug to Trace Errors
IP Address	<user defined=""></user>	IP address of the NVR
Port	<user defined=""> (Default 80)</user>	Port number of the NVR

COMMON MISTAKES

1. Not being able to control the play/pause buttons. If this is the case press playback once and the date selection will stop moving and the control for play/pause will become available.

ELAN DEVELOPER PARTNER INFORMATION

This ELAN driver was written and supported by:



Simplux Ltd | www.simplux.co.uk | info@simplux.co.uk

