



INTEGRITI FF GROUP LPR INTEGRATION MANUAL



INNER RANGE recommends that all Inner Range systems be installed & maintained by FACTORY CERTIFIED TECHNICIANS.

For a list of Accredited Dealers in your area refer to the Inner Range Website.

<http://www.innerrange.com>

Integrati FF Group LPR Integration

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Integriti FF Group LPR CCTV Integration Compatibility

Licensing Requirements

Integriti CCTV Integrations require Integriti Business or Integriti Corporate Software Edition.

For Integriti Business, one CCTV License is required per camera to be used in the system. Integriti Business supports 32 Cameras initially, and additional cameras can be added in lots of 8 using the 996921 CCTV - Extra 8 Cameras license. Any unlicensed Cameras will still show up in Integriti; however, they will not be useable.

For Integriti Corporate, unlimited cameras are supported with no additional licenses required.

Minimum Installed Integriti Version

The Integriti FFGroup LPR integration is only compatible with an installation of Integriti Pro or Infiniti that is v21.0 or higher.

Tested Against

The Integriti FF Group LPR CCTV plugin was built and tested against the following devices:

- Hanwha and Axis LPR Cameras.

Configuration

This section specifies the FF Group CCTV Integration specific configuration details. Please refer to the ‘Integriti Integrations – CCTV’ manual for a detailed description on how to fully configure and use CCTV integrations in Integriti/Infiniti.

Integrated Device Configuration

▼ License Plate Recognition	
License Plate Recognition Mode	Associated Door
▼ Device Details	
Name From External System	Associated Door
Device Type	Associated Door (Inside Reader)
Plugin Name	Associated Door (Outside Reader)
Plugin Version	Selected Reader
Plugin Name and Version	

Make sure to select a License Plate Recognition Mode as by default it is set to Disabled.
Make sure to Associate a door with the Integrated Device if Using Associated Door Options.

Device Properties		Associated Entities	
+ Add - Remove			
Entity			
ABC			
Door 1			

Make sure to fill out the details if using Selected Reader.

▼ License Plate Recognition	
License Plate Recognition Mode	Selected Reader
License Plate Recognition Reader Module	
License Plate Recognition Reader Number	0

Configuration Modes

There are three main ways to configure an FF Group Integration for different usages.

- Use single Access Control Element if the system is small and has only one LPR camera and one Associate door. This can also be used if you require one or more cameras opening one or more associated doors.
- Use multiple Access Control Elements if you require one LPR Camera per one Associated door.
- Use multiple Access Control Elements with saving Evidence if you require one LPR Camera per one Associated door and need the LPR photos captured to be saved into the Integrati Evidence vault.

Configuring FF Group as a single Access Control Element

The most basic of configuration. This is best used if there is only one camera and one associated door used for the whole system. This configuration can also be used if you want multiple cameras opening one or many associated doors. Using this method requires only one Camera in Integrati to manage the whole system. The only settings used for this configuration type are the Listener port, Listener Username and Listener Password.

▼ Connection Configuration	
▼ Connection Configuration	@
> Logging	
▼ Event Listener	
Camera ID	
Listener Port	9090
Listener Username	
Listener Password	
> Evidence Vault	

Event Listener

Listener Port – The Port used by the Cameras to receive incoming events. These ports should be configured in the Integrati Integration Server and any Integrati Client Machine's firewalls to allow the integration to be used.

Listener Username – Optionally the Username used to connect to the Event Listener server for LPR events. This can be configured when you configure LPR in the camera configuration.

Listener Password - Optionally the Password used to connect to the Event Listener server for LPR events. This can be configured when you configure LPR in the camera configuration.

Configuring FF Group to use multiple Access Control Elements

This is used when configuring one camera per one associated door. The only additional required configuration is to setup the Camera ID to match the Camera ID on the FF Group Camera settings. You will require an Individual Integrati Camera per Associated Door.

Connection Configuration	
Connection Configuration	@
Logging	
Event Listener	
Camera ID	Camera12345
Listener Port	9090
Listener Username	
Listener Password	

Event Listener

Camera ID – Used to listen to the incoming events sent by the specific Camera. This is a required field if wanting LPR photos from the cameras by using Individual Integrated Devices which will block all other unmonitored requests from other incoming requests. This Value should be configured in the LPR plugin on the Camera with using the Camera ID value.

Listener Port – The Port used by the Cameras to receive incoming events. These ports should be configured in the Integrati Integration Server and any Integrati Client Machine's firewalls to allow the integration to be used.

Listener Username – Optionally the Username used to connect to the Event Listener server for LPR events. This can be configured when you configure LPR in the camera configuration.

Listener Password - Optionally the Password used to connect to the Event Listener server for LPR events. This can be configured when you configure LPR in the camera configuration.

Configuring FF Group for multiple Access Control Elements and saving Save Vault Elements

This configuration is used when requiring each associated door to one LPR camera and wanting incoming LPR evidence to be saved to the Integriti Evidence Vault. This requires more configuration to be able to retrieve LPR photo evidence from the Individual camera.

To configure it in this way, Auto-Save Event Snapshots to Evidence Vault will need to be enabled. In Addition to setting Camera ID, Listener Port, Listener Username and Password you will be required to configure the connection settings as follows an IP Address for the camera, Login Name, Password, and the port used to connect to the camera.

▼ Connection Configuration	
▼ Connection Configuration	@
▼ Connection	
Address	
Login Name	
Password	
Port	80
> Logging	
▼ Event Listener	
Camera ID	Camera12345
Listener Port	9090
Listener Username	
Listener Password	
▼ Evidence Vault	
Auto-Save Event Snapshots To Evidence Vault	☒

Connection

Address – The IP Address of the Individual Camera to connect to.

Login Name – The Username of the User to connect to the Individual Camera with. This User should have sufficient permissions configured to allow use of all the features of the plugin to be used.

Password - The Password of the Camera's User to connect to the Camera with.

Port - The Port used to connect to an individual Camera. These ports should be configured in the Integrati Integration Server and any Integrati Client Machine's firewalls to allow the integration to be used.

Event Listener

Camera ID – Used to listen to the incoming events sent by the specific Camera. This is a required field if wanting LPR photos from the cameras by using Individual Integrated Devices which will block all other unmonitored requests from other incoming requests. This Value should be configured in the LPR plugin on the Camera with using the Camera ID value.

Listener Port – The Port used by the Cameras to receive incoming events. These ports should be configured in the Integrati Integration Server and any Integrati Client Machine's firewalls to allow the integration to be used.

Listener Username – Optionally the Username used to connect to the Event Listener server for LPR events. This can be configured when you configure LPR in the camera configuration.

Listener Password - Optionally the Password used to connect to the Event Listener server for LPR events. This can be configured when you configure LPR in the camera configuration.

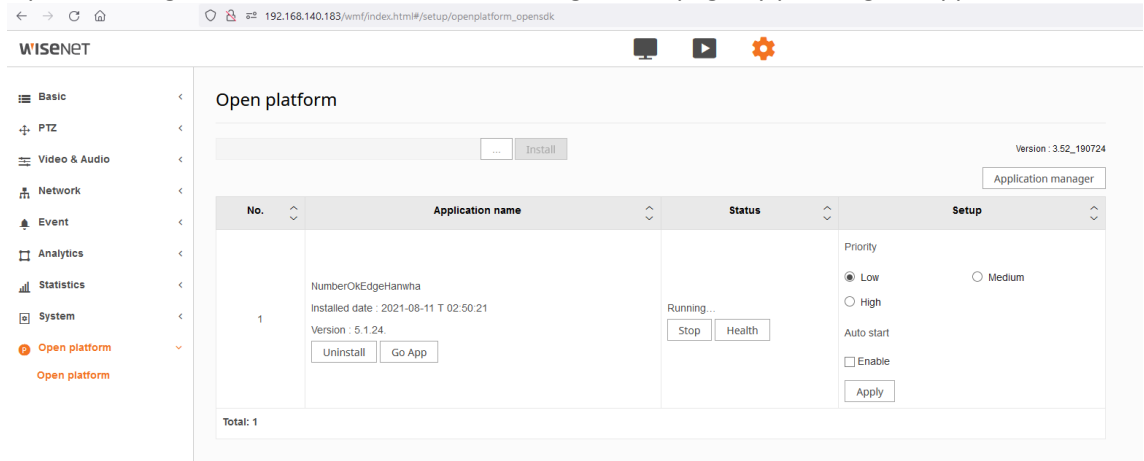
Evidence Vault

Auto-Save Event Snapshots to Evidence Vault – Automatically save each LPR event's Evidence to the Evidence Vault. Enabling this will require individual cameras to be created to receive LPR photo Evidence items. Read the Camera Configuration section of the manual on how to set this up. Enable this feature if wanting LPR photo evidence and have individual Integrated devices per LPR Camera.

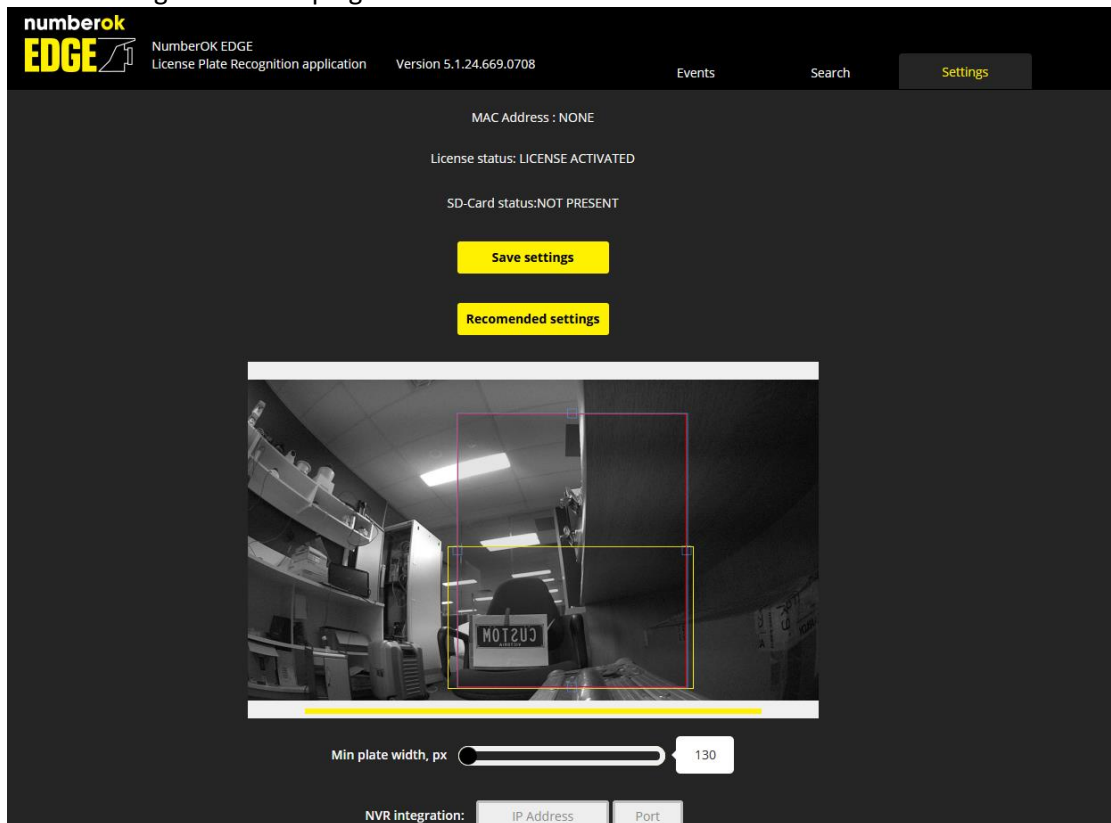
Camera Configuration

Hanwha

1. Open the Plugin in the from the Camera's configuration page by pressing Go App.



2. Select settings in the LPR plugin



3. Scroll down and enter the IP address of the Integrations server into the Destination URL with the listener port as IPAddress:ListenerPort/ and make sure to enable JSON via HTTP(s) integration and the Save the changes at the bottom of the page.

JSON via HTTP(s) integration

Geo Latitude :

Geo Longitude :

Destination URL :

Camera ID :

Send frame to cloud : Full frame Crop frame

Send mode: On Detect On Lost

4. Optionally add User and Password matched to the Listener Username and Listener Password for additional security.
5. If you are planning to configure the system to use multiple Access Control Elements, add the Camera ID into the Listener Camera ID in the Connection Configuration under Connection for each Camera. Also Update the Camera's configuration to include the Camera ID under the Destination URL eg IPAddress:ListenerPort/CAM_NONE.

▼ Event Listener

Camera ID
CAM_NONE

JSON via HTTP(s) integration

Geo Latitude :

Geo Longitude :

Destination URL :

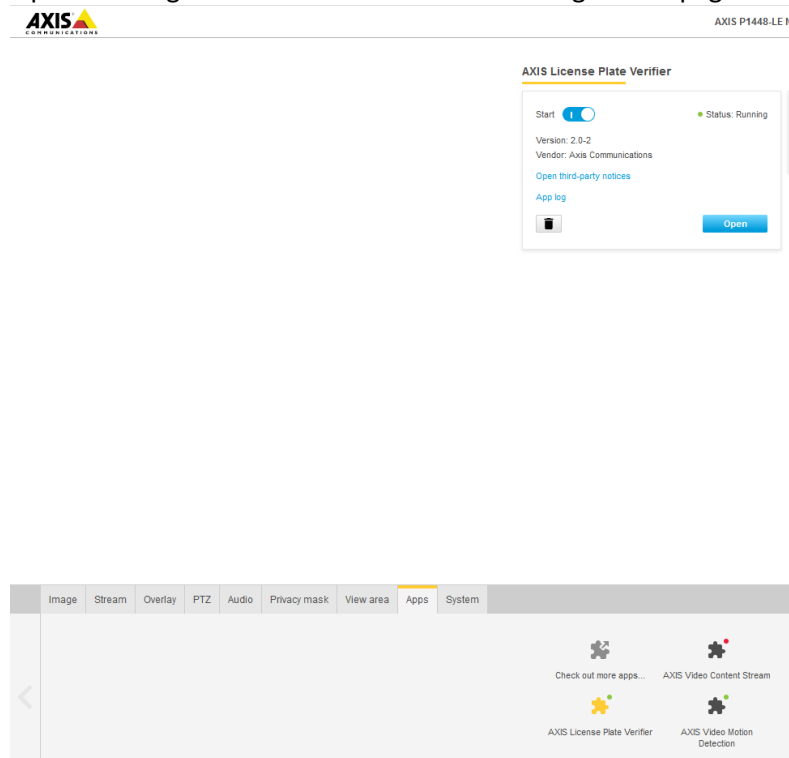
Camera ID :

Send frame to cloud : Full frame Crop frame

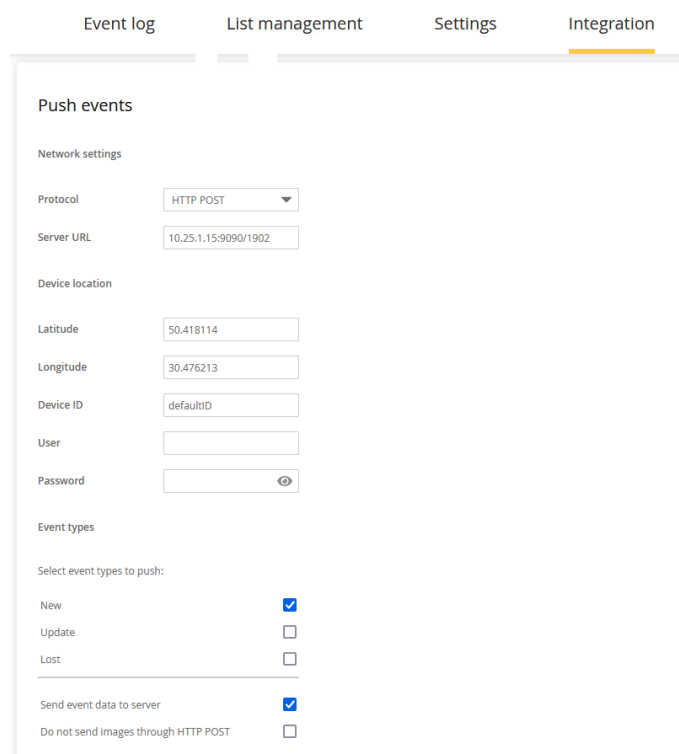
Send mode: On Detect On Lost

Axis

1. Open the Plugin in the from the Camera's configuration page.



2. Select Integration in the LPR plugin
3. Enter the IP address of the Integrations server into the Server URL with the listener port as IPAddress:ListenerPort/ and make sure to select HTTP POST as the Protocol and enable Send event data to server and event types to push and the Save the changes at the bottom of the page.



4. Optionally add User and Password matched to the Listener Username and Listener Password for additional security.
5. If you are planning to configure the system to use multiple Access Control Elements, add the Camera ID into the Listener Camera ID in the Connection Configuration under Connection for each Camera. Also Update the Camera's configuration to include the Camera ID under the Server URL eg IPAddress:ListenerPort/defaultID.

▼ Event Listener	
Camera ID	defaultID

Push events

Network settings

Protocol HTTP POST ▼

Server URL 10.25.1.15:9090/ defaultID

Device location

Latitude 50.418114

Longitude 30.476213

Device ID defaultID

User

Password 

Event types

Select event types to push:

New ☒

Update ☐

Lost ☐

Send event data to server ☒

Do not send images through HTTP POST ☐