



INTEGRITI UNIVIEW CCTV 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.**

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Integrati Uniview CCTV Integration

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CCTV Capabilities

Core CCTV Capabilities

Feature	Feature Description	Ver	Y/N
<i>Stream Live CCTV Footage</i>	Live CCTV footage can be streamed from online cameras in the CCTV system to an Integriti client.	22	✓
<i>Select Custom Aspect Ratio</i>	Select the aspect ratio to use when streaming CCTV footage on a per-camera or per-recorder basis.	22	✓
<i>Stream Archived CCTV Footage</i>	Archived CCTV footage can be streamed from online cameras in the CCTV system to an Integriti client.	22	✓
<i>Control Archived CCTV Playback Speed</i>	Playback speed of archived CCTV footage can be controlled from the Integriti client.	22	✓
<i>Auto-Play CCTV Footage from Events</i>	Live or archived CCTV footage can be configured to be automatically displayed when an event occurs in the Integriti System on a specific client workstation.	22	✓
<i>Create Child Devices from Camera Configuration</i>	Child CCTV Cameras will be created based on the Camera configuration on Refreshing Child Devices	22	✓
<i>Associate Cameras With Entities</i>	Cameras loaded from the CCTV system can be associated with Integriti Entities to allow direct control of one from the other.	22	✓
<i>Show Associated CCTV From Event</i>	Associated CCTV Footage can be directly accessed and viewed from any event occurring in Integriti that has an associated Camera (either a direct association or through the Entity that triggered the event)	22	✓
<i>Control PTZ Cameras</i>	Send PTZ commands to support cameras on the CCTV system to control the Pan, Tilt and Zoom of the camera directly from the video stream.	22	✓
<i>Send Cameras to PTZ Preset</i>	Send supported PTZ cameras on the CCTV system to preconfigured PTZ presets directly from the video stream.	22	✓
<i>Digital PTZ Control</i>	Digitally zoom the CCTV stream's image for non-PTZ cameras and archived footage.	22	✓

INTEGRITI UNIVIEW CCTV PLUGIN

Feature	Feature Description	Ver	Y/N
<i>CCTV Layouts</i>	Store a collection of Cameras with a specific viewer layout to be brought up at a later point in time	22	✓
<i>CCTV Surrounding Cameras View</i>	Show a selected camera, as well as the cameras configured to be N, NE, E, SE, S, SW, W and NW of the selected camera, quickly jumping between surrounding streams directly from the view.	22	✓
<i>Trigger Actions in the CCTV System</i>	Trigger actions or commands in the CCTV system directly from Integriti.	22	✓
<i>View and Control Cameras on Schematics</i>	Cameras can be added to Schematics Maps in Integriti and directly viewed and controlled directly from the Schematic. Each camera's state is immediately visible on the Schematic where available.	22	✓
<i>Sync Time (via NTP)</i>	Sync the time of the CCTV system and Integriti to match via an NTP.	22	✗
<i>Display Connection Status to CCTV System</i>	Display whether or not Integriti is currently connected to the CCTV system.	22	✓
<i>Receive Events/Alarms from the CCTV System</i>	Log events/alarms occurring on the CCTV system to Integriti's Review.	22	✓
<i>Trigger Integriti Actions on CCTV Events/Alarms</i>	Trigger actions to automatically occur in Integriti whenever specific events/alarms are received from the CCTV system.	22	✓
<i>Generate Alerts from CCTV Events/Alarms</i>	Automatically generate and restore Alerts tied to a specific Camera in Integriti whenever specific events/alarms are received from the CCTV system.	22	✓

Advanced CCTV Capabilities

Feature	Feature Description	Ver	Y/N
<i>Automatically Load Camera Configuration</i>	Refreshing Child Devices will automatically populate all cameras configured in the CCTV System into Integriti when run. If not supported, camera configuration will need to be manually entered into Integriti.	22	✓
<i>64-bit Integration Server Support</i>	The integration supports being run on the 64-bit integration server.	22	✓
<i>Show Camera Status</i>	The current online/offline status of configured cameras will be visible directly through Integriti.	22	✓
<i>Categorised Review Records</i>	Review generated by the integration will have a different category for different event types, allowing for easy filtering of specific CCTV events	22	✓
<i>License Plate Recognition</i>	License plates recognised by supported cameras in the CCTV system can be used to automatically allow access to configured Doors.	22	✗
<i>Trigger Inputs on CCTV Event</i>	Inputs in Integriti can be automatically triggered and restored when specified types of events are received from the CCTV system.	22	✓
<i>Control Iris and Focus</i>	Control the iris and focus of supported cameras on the CCTV system directly from the video stream	22	✓
<i>Control PTZ Tours</i>	PTZ Tours can be started and stopped directly from the video stream.	22	✓
<i>Configure PTZ Presets</i>	PTZ Presets can be added, set or cleared directly from the video stream.	24	✓
<i>Select Video Stream</i>	Switch between multiple video stream configurations when viewing live or archived video.	24	✓
<i>Display Video Frame Times</i>	When viewing archived CCTV footage, the time of the current frame will be displayed on the viewer control.	22	✓
<i>Show On-Screen Display</i>	Enable additional information (such as camera name and current playback time) to be displayed as an overlay on video streams.	22	✗
<i>Reverse Playback</i>	When viewing archived CCTV footage, the footage can be played in reverse.	22	✓

INTEGRITI UNIVIEW CCTV PLUGIN

Feature	Feature Description	Ver	Y/N
<i>Step Forward/Backward</i>	When viewing archived CCTV footage, the footage can be stepped through one frame at a time.	22	✓
<i>Export CCTV Clips</i>	Export video clips of archived CCTV footage to the Evidence Vault or to a file directly from Integriti.	22	✓
<i>Export CCTV Snapshots</i>	Export still snapshots of archived CCTV footage to the Evidence Vault or to a file directly from Integriti.	22	✓
<i>Export Current Frame</i>	Export still snapshots of the current frame in the CCTV Viewer to the Evidence Vault or to a file directly from the CCTV Viewer.	22	✓
<i>Stream Audio With Video</i>	Receive audio from the microphone on a supported CCTV camera through an Integriti client workstation	22	✓
<i>Send Audio to CCTV Camera</i>	Send audio from an Integriti client workstation out of the speakers on a supported CCTV camera.	22	✓

Integrati Uniview CCTV Integration Compatibility

Licensing Requirements

The Integrati Uniview CCTV Integration requires an Integrati/Infiniti v23 license or higher to be present on the product key running the integration.

Integrati CCTV integrations require 1 CCTV camera license per Camera to be used in the system. Any Cameras that are unlicensed will still show up in Integrati, however will not be able to be used.

Minimum Installed Integrati Version

The Integrati Uniview CCTV integration is only compatible with an installation of Integrati Pro or Infiniti that is v22.1 or higher.

Tested Against

The Integrati Uniview CCTV plugin was built and tested against the following versions of software:

- NVR302-08E-P8-B; firmware version NVR-B3303.31.65.230316
- IPC672LR-AX4DUPKC; firmware version DIPC-B1211.6.23.230619

Configuration

This section specifies the Uniview CCTV Integration specific configuration details. Please refer to the 'Integrati Integrations – CCTV' manual for a detailed description on how to fully configure and use CCTV integrations in Integrati/Infiniti.

Ports Used

The following ports are used for communication between the Integrati Uniview CCTV Integration and the Template server/cameras. These ports should be configured in the Integrati Integration Server and any Integrati Client Machine's firewalls to allow the integration to be used.

- 80 (or an alternative specified in Connection Configuration)

Connection Configuration

▼ Connection Configuration	
▼ Connection Configuration	admin@192.168.140.212
▼ Connection	
Address	192.168.140.212
Login Name	admin
Password	*****
Port	80
▼ Logging	
Log Verbosity	Debug ▼
▼ Export	
Export Video Format	MP4 ▼
Export Snapshot Format	JPEG ▼

Connection

Address – The IP address of the Server to connect to.

Port – The port number of the Server to connect to.

Login Name – The username of the user to connect to the device with. This user should have sufficient permissions configured on the device to allow all of the features of the plugin to be used.

Password - The password of the user to connect to the device with.

Logging

Log Verbosity - Only logs of the specified level or higher will be logged. If Warning is selected, only Warning, Error and Fatal logs will be written to the log.

Export

Export Video Format - The format in which to save exported video clips.

Export Snapshot Format - The format in which to save exported snapshots. This option is not supported for Export Current Frame outside the video viewer; JPEG format will always be used there.

Camera Connection Configuration

▼ Connection Configuration	
▼ Connection Configuration	
▼ Video Playback	
Stream Type	Main Stream ▼
▼ Export	
Export Stream Type	Main Stream ▼

Video Playback

Stream Type – The stream that should be selected by default when viewing video from this camera. Not all streams may exist on all cameras. The main stream is normally the highest-resolution one; see the web configuration interface for the device to configure the different streams.

Export

Export Stream Type – The stream that should be used for exporting video and snapshots. The device must be configured to record the selected stream from this camera.

Commands

CCTV Camera Commands

The following commands can be performed on a CCTV Camera:

Send Camera to PTZ Preset	Sends the selected camera to the PTZ Preset identified by name or ID number.
Run PTZ Tour on Camera	Runs a PTZ tour identified by ID number on the selected camera.
Start Recording	Starts manual recording on the selected camera.
Stop Recording	Stops manual recording on the selected camera.

SDK Logs

When using the Integriti Uniview CCTV Integration, log files from NetDEVSDK may be found in the following locations:

- Log from the Integration Server: System temporary directory (e.g. C:\Windows\Temp\Integriti Uniview Logs)
- Log from the video viewer: User's temporary directory (e.g. C:\Users\User\AppData\Local\Temp\Integriti Uniview Logs)