



INTEGRITI EVIDENCE VMS CCTV INTEGRATION

*DOCUMENT CREATED WITH REFERENCE TO INTEGRITI PROFESSIONAL SOFTWARE
VERSION V22.2.0.20042*



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 Evidence VMS 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.	18	✓
<i>Select Custom Aspect Ratio</i>	Select the aspect ratio to use when streaming CCTV footage on a per-camera or per-recorder basis.	18	✓
<i>Stream Archived CCTV Footage</i>	Archived CCTV footage can be streamed from online cameras in the CCTV system to an Integriti client.	18	✓
<i>Control Archived CCTV Playback Speed</i>	Playback speed of archived CCTV footage can be controlled from the Integriti client.	18	✓
<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.	18	✓
<i>Create Child Devices from Camera Configuration</i>	Child CCTV Cameras will be created based on the Camera configuration on Refreshing Child Devices	18	✓
<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.	18	✓
<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)	18	✓
<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.	18	✓
<i>Send Cameras to PTZ Preset</i>	Send supported PTZ cameras on the CCTV system to preconfigured PTZ presets directly from the video stream.	18	✓
<i>Digital PTZ Control</i>	Digitally zoom the CCTV stream's image for non-PTZ cameras and archived footage.	18	✓

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<i>CCTV Layouts</i>	Store a collection of Cameras with an specific viewer layout to be brought up at a later point in time	20	✓
<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.	20	✓
<i>Trigger Actions in the CCTV System</i>	Trigger actions or commands in the CCTV system directly from Integriti.	18	✓
<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.	18	✓
<i>Sync Time (via NTP)</i>	Sync the time of the CCTV system and Integriti to match via an NTP.	18	✓
<i>Display Connection Status to CCTV System</i>	Display whether or not Integriti is currently connected to the CCTV system.	18	✓
<i>Receive Events/Alarms from the CCTV System</i>	Log events/alarms occurring on the CCTV system to Integriti's Review.	18	✓
<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.	18	✓
<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.	19	✓

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.	18	✓
<i>64-bit Integration Server Support</i>	The integration supports being run on the 64-bit integration server.	18	✗
<i>Show Camera Status</i>	The current online/offline status of configured cameras will be visible directly through Integriti.	18	✗
<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	19	✓
<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.	18	✗
<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.	19	✓
<i>Control Iris and Focus</i>	Control the iris and focus of supported cameras on the CCTV system directly from the video stream	18	✗
<i>Control PTZ Tours</i>	PTZ Tours can be started and stopped directly from the video stream.	18	✗
<i>Display Video Frame Times</i>	When viewing archived CCTV footage, the time of the current frame will be displayed on the viewer control.	18	✓
<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.	18	✗
<i>Reverse Playback</i>	When viewing archived CCTV footage, the footage can be played in reverse.	18	✓
<i>Step Forward/Backward</i>	When viewing archived CCTV footage, the footage can be stepped through one frame at a time.	18	✓
<i>Export CCTV Clips</i>	Export video clip of archived CCTV footage to the Evidence Vault or to a file directly from Integriti.	19	✗

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<i>Export CCTV Snapshots</i>	Export still snapshot of archived CCTV footage to the Evidence Vault or to a file directly from Integriti.	19	✘
<i>Export Current Frame</i>	Export still snapshot of the current frame in the CCTV Viewer to the Evidence Vault or to a file directly from the CCTV Viewer.	20	✘
<i>Stream Audio With Video</i>	Receive audio from the microphone on a supported CCTV camera through an Integriti client workstation	18	✔
<i>Send Audio to CCTV Camera</i>	Send audio from an Integriti client workstation out of the speakers on a supported CCTV camera.	18	✘

Integriti Evidence VMS CCTV Integration Compatibility

Required Integriti Version License

The Integriti Evidence VMS CCTV Integration requires an Integriti Pro/Infiniti v22 license or higher to be present on the product key running the integration.

Minimum Installed Integriti Version

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.

Tested Against

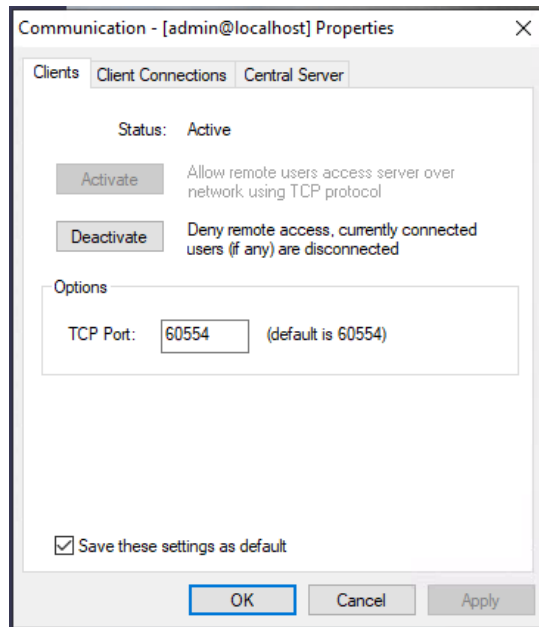
The Integriti Evidence VMS CCTV plugin was built and tested against the following versions of software:

- Evidence Server v2.5.11.84
- Evidence SDK v.2.5.11.84

Evidence Configuration

Activate Client Connection

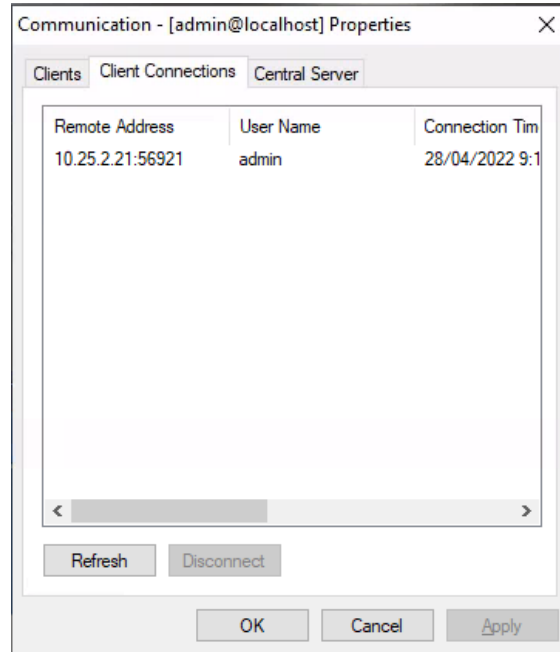
For Integrati to be able to connect to the Evidence server the client connection must be activated for that server. This section outlines the configuration steps required.



- 1 Open the 'Communication' dialog for the server to connect to by right clicking on the server and selecting Tasks->Communication Properties
- 2 Click on the "Activate" button and ensure the Status is "Active"

Reset Client Connection

At times the connection to the Evidence server can lock up and prevent Integriti from connecting.



In that case open the 'Client Connections' dialog, select the connection from the list and click the 'Disconnect' button to remove the connection. Restarting the persisted connection should connect to the server now.

Integrati Configuration

This section specifies the Evidence VMS 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 Evidence VMS integration and the Evidence server. These ports should be configured in the Integrati Integration Server and any Integrati Client Machine's firewalls to allow the integration to be used.

- TCP – 60554

▼ Connection Configuration	@127.0.0.1
▼ Connection	
Address	127.0.0.1
Login Name	
Password	
Connection Port	60554
▼ Logging	
Log Verbosity	Warning ▼

Connection Configuration

Address - The IP Address of the Server to connect to.

Name - The Username of the Evidence VMS User to connect to the Server with. This User should have sufficient permissions configured in Evidence VMS to allow all the features of the plugin to be used.

Password - The Password of the Evidence VMS User to connect to the Server with.

Connection Port - The Port used to connect to the Server. This is 60554 by default. This port should be configured in the Integrati Integration Server and any Integrati Client Machine's firewalls to allow it to be used.

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.

Commands

CCTV Camera Commands

The following commands can be performed on a CCTV Camera:

Send Camera to a PTZ Preset	Specify the Id or Name of the PTZ Preset to run on the selected camera.
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Troubleshooting

Unable to establish a connection to the Evidence Server

- Are the connection details (Ip Address, username, password) correct?
 - Has the TCP port been added to the firewall?
 - Has the client communication been activated for the server in the VMS? Refer to the Evidence Configuration section above.
 - If Integrity has been connected before remove the connection in the Evidence server and try again. Refer to the 'Reset Client Connection' section above.
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