



INTEGRITI HANWHA TECHWIN 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.**

<http://www.innerrange.com>

Integrati Hanwha Techwin 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 Integrati 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 Integrati client.	18	✓
<i>Control Archived CCTV Playback Speed</i>	Playback speed of archived CCTV footage can be controlled from the Integrati 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 Integrati System on a specific client workstation.	18	✓
<i>Retrieve Details of Configured Cameras</i>	Details of all configured cameras (such as Camera Name) can be retrieved from the CCTV System when Refreshing Child Devices.	18	✓
<i>Associate Cameras With Entities</i>	Cameras loaded from the CCTV system can be associated with Integrati 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 Integrati 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	✓
<i>Trigger Actions in the CCTV System</i>	Trigger actions or commands in the CCTV system directly from Integrati.	18	✓

<i>View and Control Cameras on Schematics</i>	Cameras can be added to Schematics Maps in Integrati 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 Integrati to match via an NTP.	18	✓
<i>Display Connection Status to CCTV System</i>	Display whether or not Integrati 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 Integrati's Review.	18	✓
<i>Trigger Integrati Actions on CCTV Events/Alarms</i>	Trigger actions to automatically occur in Integrati 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 Integrati whenever specific events/alarms are received from the CCTV system.	19	✓

Advanced CCTV Capabilities

Feature	Feature Description	Ver	Y/N
<i>Populate Configured Cameras</i>	Refreshing Child Devices will automatically populate all cameras configured in the CCTV System into Integriti when run.	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.	18	✓
<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	✗
<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>Stream Audio With Video</i>	Send audio from an Integriti client workstation out of the speakers on a supported CCTV camera.	18	✗
<i>Send Audio to CCTV Camera</i>	Receive audio from the microphone on a supported CCTV camera through an Integriti client workstation	18	✗

Integriti Hanwha Techwin CCTV Integration Compatibility

Required Integriti Version License

The Integriti Hanwha Techwin CCTV Integration requires an Integriti Pro/Infiniti v20 license or higher to be present on the product key running the integration.

Minimum Installed Integriti Version

The Integriti Hanwha Techwin CCTV integration is only compatible with an installation of Integriti Pro or Infiniti that is v19.0 or higher.

Licensing Requirements

Integriti 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 Integriti, however will not be able to be used.

Tested Against

The Integriti Hanwha Techwin CCTV plugin was built and tested against the following versions of software:

- Wisenet NVR 810S v2.10

Configuration

Connection Configuration

▼ Connection Configuration	
▼ Connection Configuration	@
▼ Connection	
Address	
Login Name	
Password	
HTTP/S Port	80
Device (RTSP) Port	558
Use HTTPS	☐
Certificate Validation Mode	Accept All
Certificate Thumbprint	
▼ Logging	
Log Verbosity	Debug
▼ PTZ Control	
Pan Speed	5
Tilt Speed	5
Zoom Speed	3

Connection

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

Login Name – The Username of the Hanwha Techwin User to connect to the Server with. This User should have sufficient permissions configured in Hanwha Techwin to allow all of the features of the plugin to be used.

Password - The Password of the Hanwha Techwin User to connect to the Server with.

HTTP/S Port - The Port used to connect to the Server. This is 80 by default. Default for HTTPS is 443. This port should be configured in the Integriti Integration Server and any Integriti Client Machine's firewalls to allow it to be used.

Device (RTSP) Port - The Port used to connect to the Device. This is 558 by default.

Use HTTPS - Set to true to use HTTPS rather than HTTP for connections. Default port for HTTPS is 443.

Certificate Validation Mode - Select the validation mode to use when connecting with an invalid certificate.

Certificate Thumbprint - Enter the thumbprint of the certificate used by the HTTPS connection.

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.

PTZ Control

Pan Speed – Select the speed of Pan PTZ Operations.

Tilt Speed – Select the speed of Tilt PTZ Operations.

Zoom Speed – Select the speed of Zoom PTZ Operations

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 with the 'PTZ Id' given. The selected Camera must be online at the time the command is sent and have a PTZ Preset configured with the given Id for this command to work.
Run PTZ Tour on Camera	Starts or stops the PTZ Tour with the specified 'PTZ Id' on the selected Camera. The selected Camera must be online at the time the command is sent and have a PTZ Tour configured with the given Id for this command to work.
