INTEGRITI PANASONIC VIDEO INSIGHT CCTV INTEGRATION



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

Inner Range Pty Ltd
ABN 26 007 103 933

1 Millennium Court, Knoxfield, Victoria 3180, Australia
PO Box 9292, Scoresby, Victoria 3179, Australia
Telephone: +61 3 9780 4300 Facsimile: +61 3 9753 3499
Email: enquiries@innerrange.com Web: www.innerrange.com

Integriti Panasonic Video Insight CCTV Integration

Table of Contents

CCTV CAPABILITIES **3**
- Core CCTV Capabilities 3
- Advanced CCTV Capabilities 5

INTEGRITI PANASONIC VIDEO INSIGHT CCTV INTEGRATION COMPATIBILITY **6**
- Required Integriti Version License 6
- Minimum Installed Integriti Version 6
- Licensing Requirements 6
- Tested Against 6

INSTALLATION **7**

CONFIGURATION **10**
- Ports Used 10
- Connection Configuration 10
  - *Connection* *10*
  - *Logging* *10*
  - *Monitoring* *10*

REFRESH CHILD DEVICES **11**

COMMANDS **11**
- CCTV Recorder Commands 11
- CCTV Camera Commands 11

TROUBLESHOOTING **12**

CCTV Capabilities

Core CCTV Capabilities

Feature	Feature Description	Ver	Y/N
Stream Live CCTV Footage	Live CCTV footage can be streamed from online cameras in the CCTV system to an Integriti client.	18	✓
Select Custom Aspect Ratio	Select the aspect ratio to use when streaming CCTV footage on a per-camera or per-recorder basis.	18	✓
Stream Archived CCTV Footage	Archived CCTV footage can be streamed from online cameras in the CCTV system to an Integriti client.	18	✓
Control Archived CCTV Playback Speed	Playback speed of archived CCTV footage can be controlled from the Integriti client.	18	✓
Auto-Play CCTV Footage from Events	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	✓
Retrieve Details of Configured Cameras	Details of all configured cameras (such as Camera Name) can be retrieved from the CCTV System when Refreshing Child Devices.	18	✓
Associate Cameras With Entities	Cameras loaded from the CCTV system can be associated with Integriti Entities to allow direct control of one from the other.	18	✓
Show Associated CCTV From Event	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	✓
Control PTZ Cameras	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	✓
Send Cameras to PTZ Preset	Send supported PTZ cameras on the CCTV system to preconfigured PTZ presets directly from the video stream.	18	✓
Digital PTZ Control	Digitally zoom the CCTV stream's image for non-PTZ cameras and archived footage.	18	✓
Trigger Actions in the CCTV System	Trigger actions or commands in the CCTV system directly from Integriti.	18	✓

Feature	Feature Description	Ver	Y/N
View and Control Cameras on Schematics	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	✓
Sync Time (via NTP)	Sync the time of the CCTV system and Integriti to match via an NTP.	18	✗
Display Connection Status to CCTV System	Display whether or not Integriti is currently connected to the CCTV system.	18	✓
Receive Events/Alarms from the CCTV System	Log events/alarms occurring on the CCTV system to Integriti's Review.	18	✓
Trigger Integriti Actions on CCTV Events/Alarms	Trigger actions to automatically occur in Integriti whenever specific events/alarms are received from the CCTV system.	18	✓
Generate Alerts from CCTV Events/Alarms	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
Populate Configured Cameras	Refreshing Child Devices will automatically populate all cameras configured in the CCTV System into Integriti when run.	18	✓
64-bit Integration Server Support	The integration supports being run on the 64-bit integration server.	18	✓
Show Camera Status	The current online/offline status of configured cameras will be visible directly through Integriti.	18	✓
Categorised Review Records	Review generated by the integration will have a different category for different event types, allowing for easy filtering of specific CCTV events	19	✓
License Plate Recognition	License plates recognised by supported cameras in the CCTV system can be used to automatically allow access to configured Doors.	18	✗
Trigger Inputs on CCTV Event	Inputs in Integriti can be automatically triggered and restored when specified types of events are received from the CCTV system.	18	✓
Control Iris and Focus	Control the iris and focus of supported cameras on the CCTV system directly from the video stream	18	✓
Control PTZ Tours	PTZ Tours can be started and stopped directly from the video stream.	18	✗
Display Video Frame Times	When viewing archived CCTV footage, the time of the current frame will be displayed on the viewer control.	18	✗
Show On-Screen Display	Enable additional information (such as camera name and current playback time) to be displayed as an overlay on video streams.	18	✓
Reverse Playback	When viewing archived CCTV footage, the footage can be played in reverse.	18	✓
Step Forward/Backward	When viewing archived CCTV footage, the footage can be stepped through one frame at a time.	18	✓
Export CCTV Clips	Export video clip of archived CCTV footage to the Evidence Vault or to a file directly from Integriti.	19	✗
Export CCTV Snapshots	Export still snapshot of archived CCTV footage to the Evidence Vault or to a file directly from Integriti.	19	✗
Stream Audio With Video	Send audio from an Integriti client workstation out of the speakers on a supported CCTV camera.	18	✗
Send Audio to CCTV Camera	Receive audio from the microphone on a supported CCTV camera through an Integriti client workstation	18	✗

Integriti Panasonic Video Insight CCTV Integration Compatibility

Required Integriti Version License

The Integriti Panasonic Video Insight 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 Panasonic Video Insight CCTV integration is only compatible with an installation of Integriti Pro or Infiniti that is v22.1 or higher.

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.

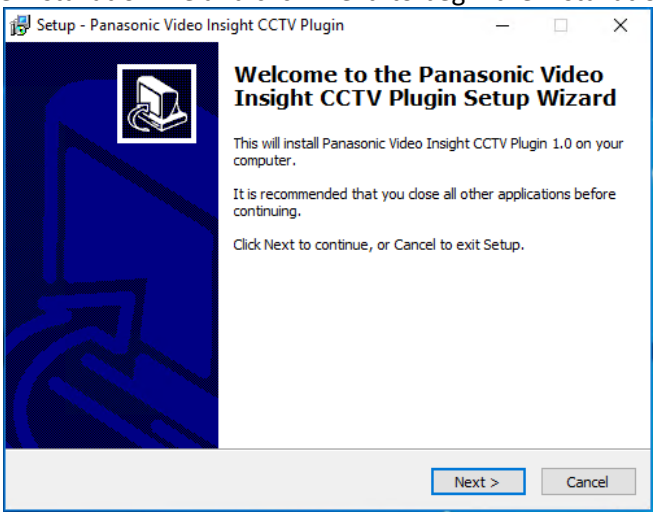
Tested Against

The Integriti Panasonic Video Insight CCTV plugin was built and tested against the following versions of software:

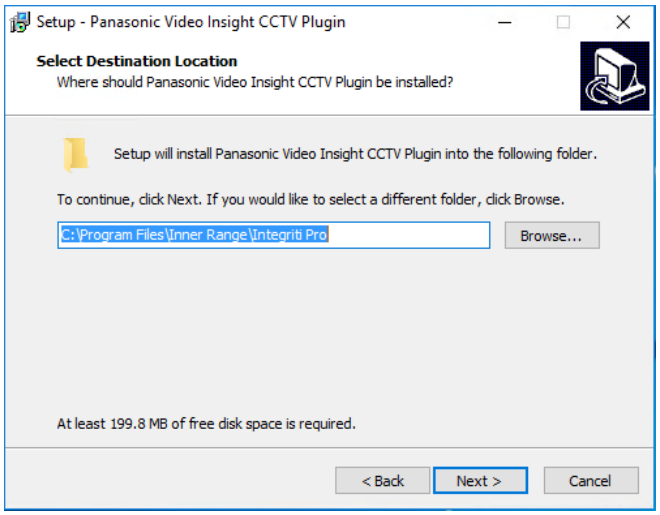
- Video Insight v7.5.1 IP Server

Installation

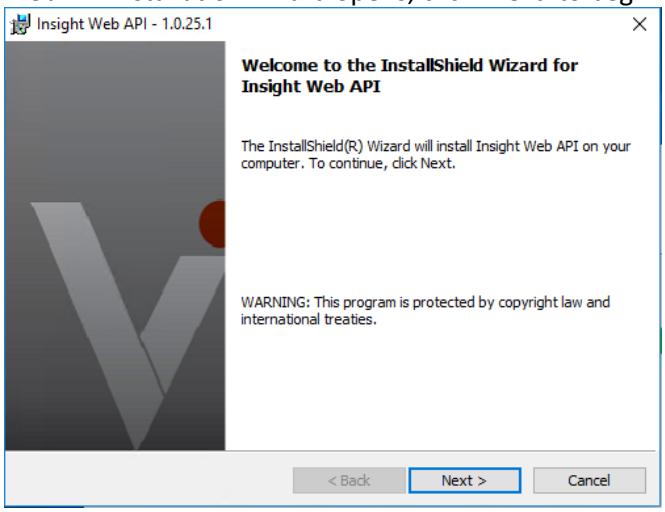
Double click on the installation file and click ‘Next’ to begin the installation process.



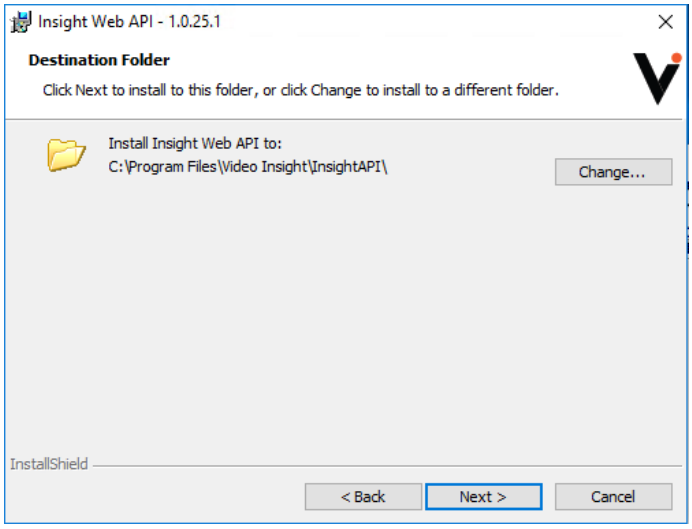
Leave the default destination location as is and click ‘Next’.



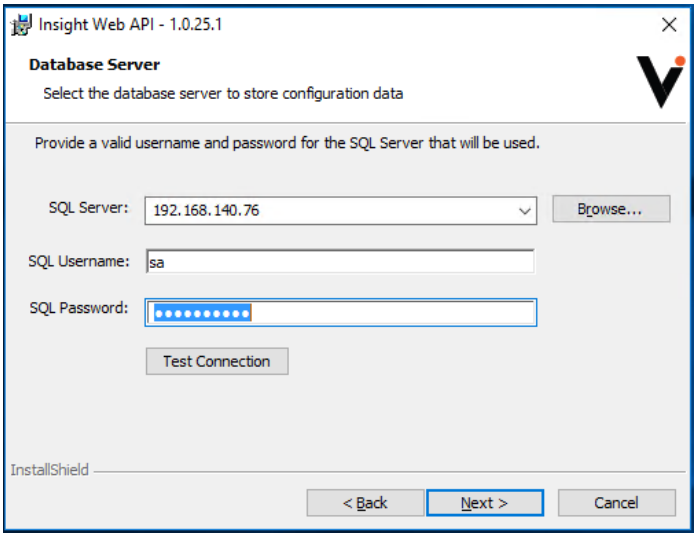
When the Insight Web API installation wizard opens, click ‘Next’ to begin its setup.



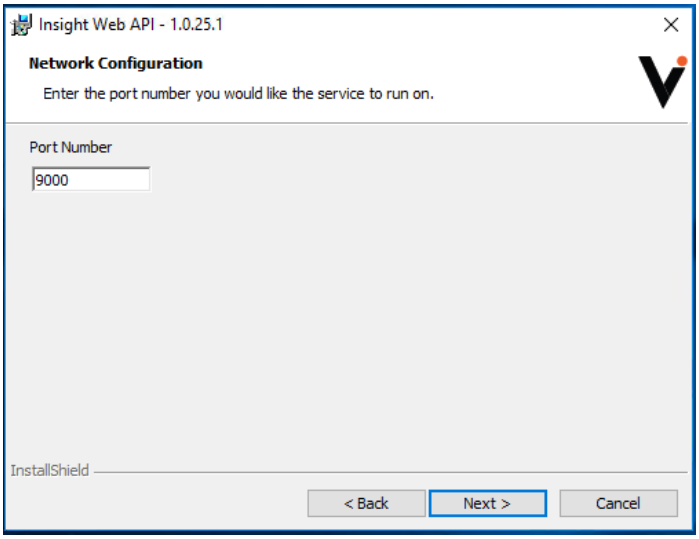
Leave the default destination location as is and click ‘Next’.



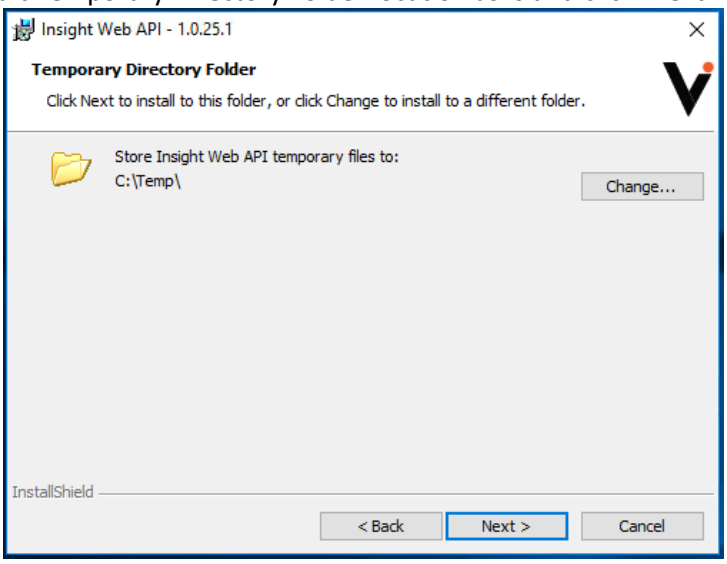
Enter the details of the VI MonitorPlus SQL Server. Click ‘Test Connection’ to verify the entered credentials then click ‘Next’ if the connection was successful.



Specify the Port Number for the API to run on. It is recommended to use the default 9000.



Leave the default Temporary Directory Folder location as is and click ‘Next’.



Once the Panasonic Video Insight plugin has been installed ensure the ‘IP Video Web API’ service is running.

Configuration

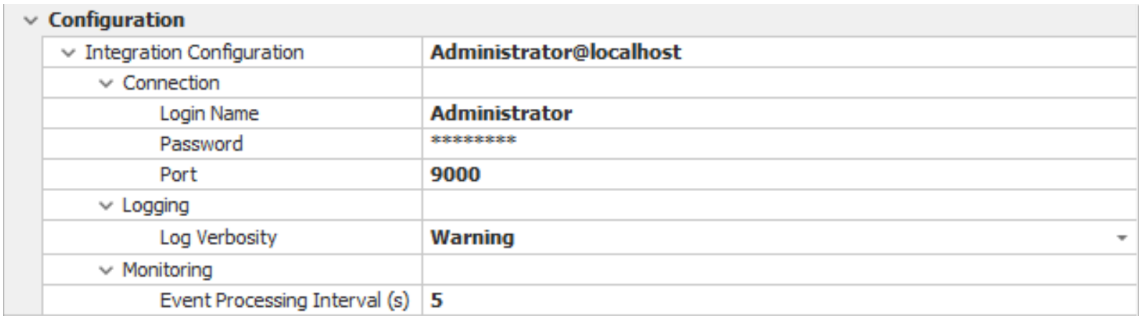
This section specifies the Panasonic Video Insight CCTV Integration specific configuration details. Please refer to the 'Integriti Integrations – CCTV' manual for a detailed description on how to fully configure and use CCTV integrations in Integriti/Infiniti.

Ports Used

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

- TCP port 1433 – for SQL Server access via Insight Web API
- TCP port 9000 (or an alternative specified in Connection Configuration)

Connection Configuration



Connection

Address – The IP Address of the Insight Web API server to connect to. This is 'localhost' by default. This property is hidden and normally should not be changed.
Login Name – The username of the user to connect to the Panasonic Video Insight server with. This user should have sufficient permissions configured inPanasonic Video Insight VI MonitorPlus to allow all of the features of the plugin to be used.
Password – The password of the Panasonic Video Insight user to connect to the Panasonic Video Insight server with.
Port – The Insight Web API port number to connect to. The port number is 9000 by default and must be the same as the one specified during the Insight Web API installation described above.

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.

Monitoring

Event Processing Interval - Event processing time interval in seconds. Specify a time interval between 1 to 60 seconds. This is how often events will be retrieved from VI MonitorPlus and processed by Integriti.

Refresh Child Devices

The 'IP Video Web API' service must be restarted in order to be able to refresh child devices after cameras or other entities have been added/deleted on the VI MonitorPlus side.

Commands

CCTV Recorder Commands

The following commands can be sent from Integriti to the CCTV Recorder:

Trigger a Rule	Have the Panasonic VideoInsight server perform a user defined task by triggering a Rule. The Rules to be triggered must be pre-configured on the VI MonitorPlus server side and downloaded to Integriti by executing the 'Refresh Device' function. VI MonitorPlus Rules to be triggered by Integriti must have 'SDK Input' trigger added to the 'Trigger Events'.

For further info please refer to the 'Integriti CCTV Event Interchange' and 'Integriti CCTV Integrations' documents on how to invoke commands from Integriti.

CCTV Camera Commands

The following commands can be performed on a CCTV Camera:

Send Camera to PTZ Preset	The Presets must be preconfigured on the VI MonitorPlus side before they can be triggered. An operator must specify the ID of the preset to be triggered. The preset ID must be a positive non-zero number.

Troubleshooting

Insight Web API installer cannot connect to SQL Server	• Ensure that SQL Server connections are allowed through firewalls on the server side. • In SQL Server Configuration Manager, check the SQL Server Network Configuration page and ensure that the TCP/IP transport is enabled.
The plugin cannot communicate with the VI MonitorPlus software	• Is the 'IP Video Web API' service running? • Restart the client 'IP Video Web API' service. • Is VI MonitorPlus IP server running?
Refresh Child Devices doesn't work	• Does the user have camera permissions? • Is the client 'IP Video Web API' service running? • Restart the client 'IP Video Web API' service.
Failed to view a video stream from a camera	• Does the user have live and recorded video enabled in the camera permissions?
Video Playback doesn't work	• Does the user have live and recorded video enabled in the camera permissions? • Is the camera configured to record video on VI MonitorPlus? • Does the footage corresponding to the requested time exist in VI MonitorPlus? • Restart the VI MonitorPlus IP server. • Some video codecs are not supported by the Panasonic VideoInsight Plugin.
Video Playback works sometimes for a camera	• Restarting the VI MonitorPlus IP server will resolve video playback issues in some cases. • The IP server can be configured to automatically restart under the Options dialog in the "IP Server Manager" dialog.
Live footage is shown after a playback time has been set	• The Panasonic VI CCTV Plugin streams live video if the footage corresponding to the requested time can't be retrieved by VI MonitorPlus.

PTZ actions do not operate from the viewer	• Does the user have PTZ actions enabled in the camera permissions in VI MonitorPlus? • Digital PTZ will be used if the device does not support physical PTZ or if the user does not have permission to perform physical PTZ actions.
Sending a camera to a PTZ preset via command invoker does not operate	• Does the user have PTZ actions enabled in the camera permissions in VI MonitorPlus? • Does the camera support physical PTZ actions? • "Index was out of range" error means that preset ID must be a positive non-zero number. • "This operation is not supported" error means the selected device does not have PTZ capabilities.