INTEGRITI MOBOTIX CCTV PLUGIN

Document created with reference to Integriti Professional software version v18.0.1.12498



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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Integriti Mobotix CCTV Plugin

Table of Contents

CCTV CAPABILITIES **3**

INTEGRITI MOBOTIX CCTV PLUGIN COMPATIBILITY **4**

REQUIRED INTEGRITI VERSION 4
TESTED AGAINST 4

INSTALLATION/UPDATING **5**

ENROLMENT 5

EVENTS **8**

RECEIVING ALARMS 8

INVOKING COMMANDS **9**

INVOKING COMMANDS ON MOBOTIX CAMERAS 9

VIEWING VIDEO FROM CCTV CAMERA **10**

VIEWING LIVE VIDEO ON A CONNECTED CCTV CAMERA 10
ASSOCIATING ENTITIES WITH A CCTV CAMERA 10
VIEWING ARCHIVED VIDEO FROM A REVIEW EVENT 10

CONFIGURATION **11**

REVIEW PLAYBACK BUFFER 11
DISABLING CCTV CAMERAS 11
ADDING CCTV CAMERAS TO SCHEMATICS 12

TROUBLESHOOTING **14**

CCTV Capabilities

Capabilities	Mobotix
Stream Live Video	✓
Stream Historical Video	✓
Pop-Up Live Streaming Video from Alarm/User Events in Real-Time	✓
Associate Cameras with Entities (Doors, Users etc)	✓
Access Recorded Video Information Based on Review Events	✓
Retrieve Number of Connected Cameras	✓
Retrieve Camera Names	✓
Control Physical PTZ Cameras	✓
Control Digital Software PTZ Cameras	✓
Send PTZ Cameras to Pre-Set Positions	✓
Drag and Drop Cameras Onto Floor Plans	✓
Send Alarms or Events to the CCTV System	✓
Receive Alarms or Events from the CCTV System	✓
Sync CCTV System Time (Direct or via NTP)	✓
Display Video Frame Times	✓
Control Playback Speed / Direction	✓
Enable On-Screen Display Information	✗
Display Historic Video According to Adjustable Pre-Event Timer	✓
Stream Audio with Video	✓
Send Audio from Client Workstation to CCTV System	✓
Display CCTV System and Device Status	✓
License Plate Recognition – Requires Integriti v18 or higher	✗
Categorised Review Messages – Requires Integriti v18 or higher	✓

NOTE: Support for any feature listed above may be model or version specific – further consultation with Inner Range and the CCTV manufacturer is highly recommended.

Integriti Mobotix CCTV Plugin Compatibility

Required Integriti Version

The Integriti Mobotix CCTV Plugin is only compatible with an installation of Integriti Pro or Infiniti that is v17 or higher.

Tested Against

The Integriti Mobotix CCTV plugin was built and tested against the following Mobotix Cameras:

- Mobotix M24 – MX-v4.1.10.28
- Mobotix M26 – MX-v5.0.2.14

Installation/Updating

NOTE: *When installing multiple Integriti Integration Plugins, the plugin with the highest build number should be installed last. The build number can be found in brackets in the file name of the installer for the plugin.*

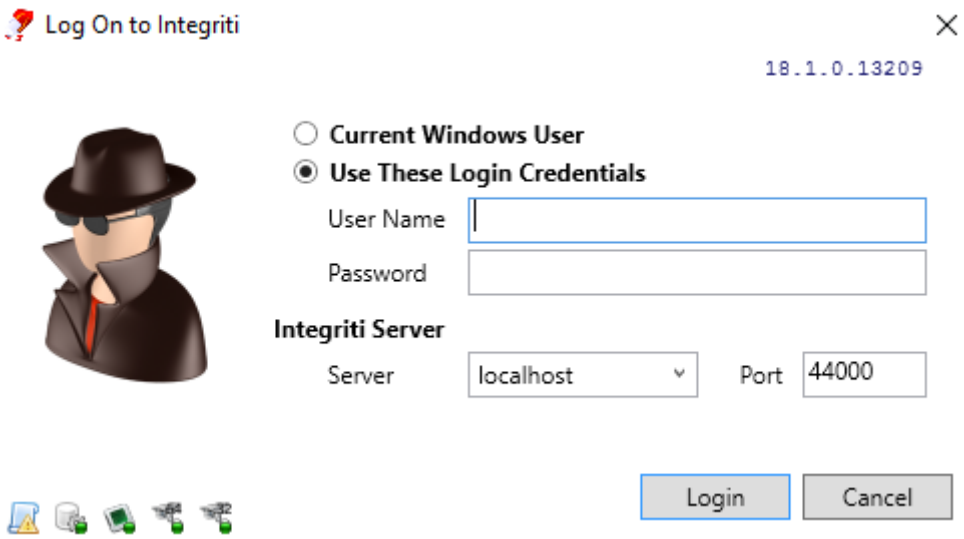
Close all instances of the Integriti software suite and stop the Integriti Integration Server service.

Download and run the plugin installer on the server and client workstations.

Integriti_CCTV_Mobotix_Plugin_*X.X*_(*XXXXX*).exe

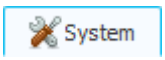
After the installation has completed, you will need to restart the Integration Server service.

On the Integriti server, start the Integriti System Designer as an administrator. Click Integration service icons on the bottom left of the login dialog to stop and start the service.



Enrolment

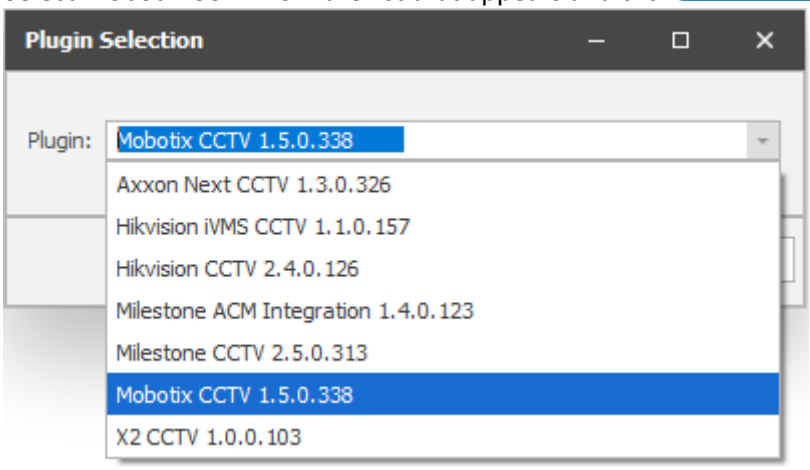
To enrol a Mobotix CCTV Camera

1. Click on the 

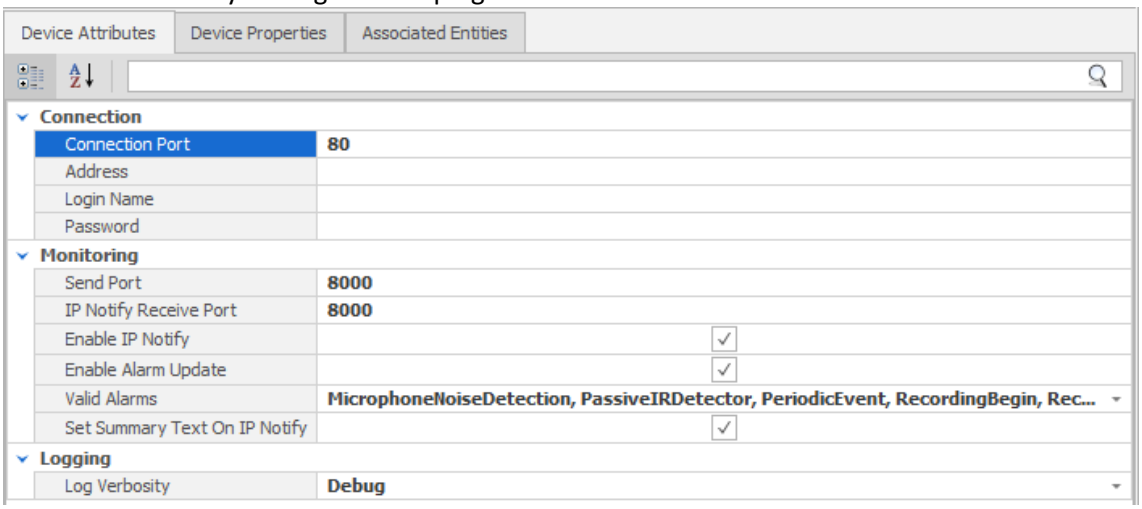
tab followed by 

.

2. Select Mobotix CCTV from the list that appears and click OK.



3. In the editor window that appears, give the new CCTV Camera a name.
4. Tick Maintain Persisted Connection above the Device Attributes tab if events are to be received the Mobotix server.
5. Select the Integriti Integration server that will be used for the integration.
6. Enter the necessary settings for the plugin.



Device Attributes

Connection

- *Connection Port* - The Port used to connect to the Camera for viewing footage. This is 80 by default.
  This port should be configured in the Integriti Integration Server and any Integriti Client Machine's firewalls to allow it to be used.
- *Address* – The IP Address of the Server to connect to.
- *Login Name* – The Username of the Mobotix User to connect to the Server with. This User should have sufficient permissions configured in Mobotix to allow all of the features of the plugin to be used.
- *Password* - The Password of the Mobotix User to connect to the Server with.

Monitoring

- *Send Port* - The Port used to connect to the Camera for sending commands. This is 8000 by default.

This port should be configured in the Integriti Integration Server's firewall to allow it to be used.

- *IP Notify Receive Port* - The Port used to connect to the Camera for receiving IP notify events. This is 8000 by default.
  This port should be configured in the Integriti Integration Server's firewall to allow it to be used.
- *Enable Alarm Update* - Set to true to enable receiving of alarms from the camera's Alarm Update feature.
  Alarms will only be received when 'Maintain Persisted Connection' is selected.
- *Valid Alarms* - Allows the types of Alarms received from the Server to be filtered based on event type.
  Select the alarm types to be monitored from the dropdown list.
- *Enable IP Notify* - Set to true to enable receiving of events from the camera's IP Notify feature.
  Events will only be received when 'Maintain Persisted Connection' is selected.
- *Set Summary Text On IP Notify* - Set to true to update the camera's status and summary text when an IP Notify message is received from the camera.

Logging

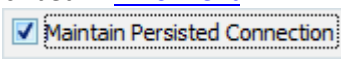
- *Log Verbosity* - Only logs of the specified level or higher will be logged. If Warning is selected, only Warning, Error and Fatal logs will be written to the log.

7. Save and close the editor window for the new integrated CCTV device.

Events

Receiving Alarms

In the Integriti System Designer software:

1. Create and configure a Mobotix CCTV Camera as described in Enrolment.
2. Ensure that 'Enable Alarm Update' is set to true and 

is ticked.
3. Select the types of events to be received in 'Valid Alarms'.
4. Upon saving the Mobotix CCTV Recorder, Review Messages will be automatically generated for any alarm that occurs in the Mobotix Server of any alarm types selected in 'Valid Alarms'.

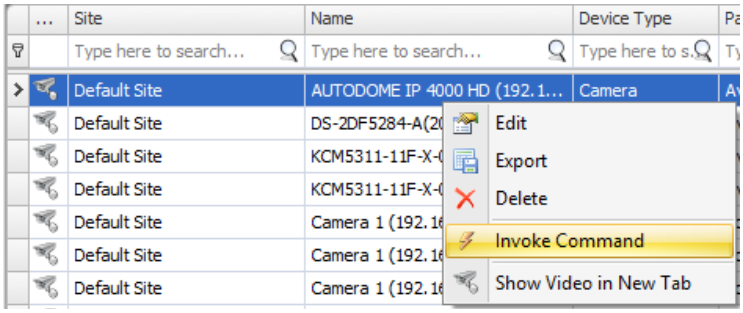
CCTV alarms will appear as an 'Integration' type with the source being the Integriti integration server and the text prepended by '[Mobotix]'.

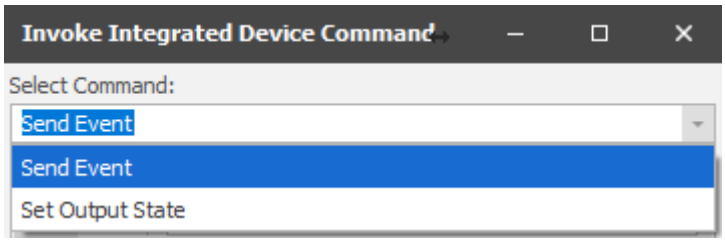
e.g. "CCTVServer32: IntegritiIntegrationServer32@YOURINTEGRITISERVER"

Invoking Commands

Invoking Commands on Mobotix Cameras

To perform a command on a camera in the Mobotix System through the Integriti software select 'Invoke Command' from the context menu on a CCTV Camera for the selected server.





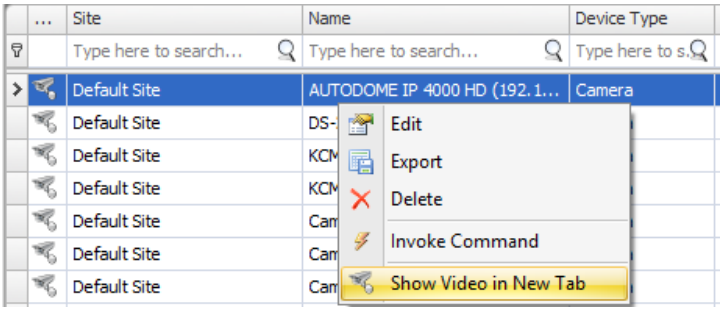
From the Device Command window that appears, select the required command from the dropdown box:

Send Event	Triggers an event with the specified Message on the selected Camera.
Set Output State	Sets the output state of the selected relay on the selected (supported) camera to the state specified.

Viewing Video from CCTV Camera

Viewing Live Video on a Connected CCTV Camera

1. Create and configure the Mobotix CCTV Camera as described in Enrolment.
2. Select 'Show Video in New Tab' from the context menu on the CCTV camera to view video from.



3. The live video stream for the selected camera will then be shown in a new tab.

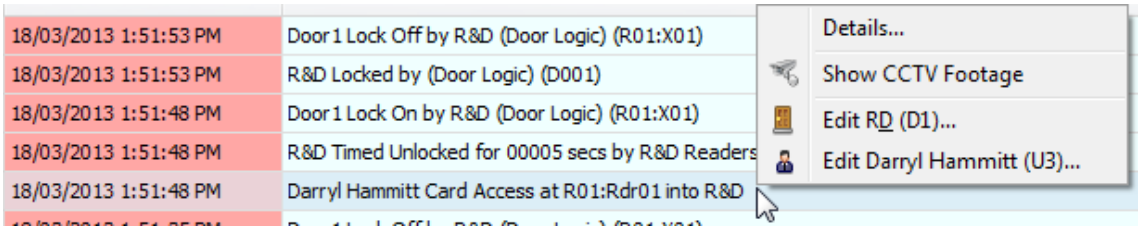
Associating Entities With a CCTV Camera

1. Create and configure the Mobotix CCTV Camera as described in Enrolment.
2. Under Associated Entities, click on the Add button.
3. From the window that appears, select the Entities to associate with the CCTV Camera.
4. Save and close the window.

Viewing Archived Video From a Review Event

If any of a Review Message's Entities have associated cameras, it is possible to view archived video from the time of the Review Message by right clicking the selected Review message and selecting Show CCTV Footage.

It is also possible to view CCTV footage for Review Messages from the CCTV Plugin, if the event comes from a Camera in the CCTV System, by following the steps above.



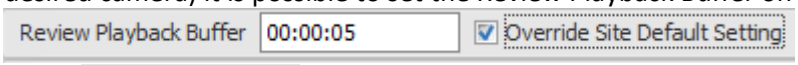
Upon selecting Show CCTV Footage on a valid Review Message, the archived video stream of all Cameras associated with any of the Entities in the Review Message will start playing in a new tab at the time that the Review Message occurred minus the Review Playback Buffer for the selected Camera.

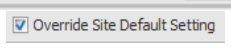
Configuration

Review Playback Buffer

The Review Playback Buffer allows the amount of time prior to an event occurring to start playing archived video footage for a camera when viewing CCTV footage for a Review Message. This allows the lead-up to the event to be shown, as well as the event itself. The Review Playback Buffer can be set in the following places, with each having different scopes:

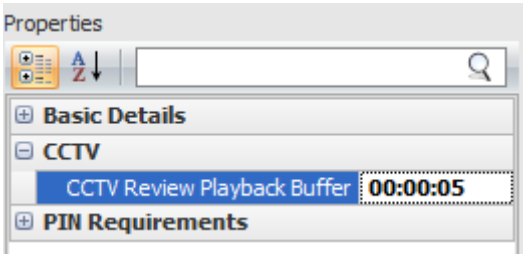
- CCTV Camera – From the editor for a CCTV Camera (accessed by double clicking on the desired camera) it is possible to set the Review Playback Buffer on a per camera basis.



Check 

to use the value entered instead of the default value for the Site.

- Site Properties – From the editor for the Site Properties of a Site (accessed by double clicking on the desired Site) it is possible to set the Review Playback Buffer for all Cameras in the selected Site.



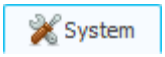
The selected Review Playback Buffer will be used for all Cameras in the selected Site that do not have a 

checked in its parent Recorder or in the Camera itself.
A Review Playback Buffer set from Site Properties will apply to any sub-sites of the selected Site, unless said Site has a Review Playback Buffer explicitly set.
To set the same Review Playback Buffer for all Cameras in an Integriti system with 

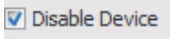
unchecked, the Review Playback Buffer of the top-level site can be set.

Disabling CCTV Cameras

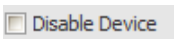
Once a CCTV Recorder has been enrolled, and Child Cameras retrieved from the server, not all of the Cameras may be required. As enabled Cameras take up Camera licenses it is possible to disable cameras through the following steps:

1. Click on the 

tab followed by 

.
2. Double click the CCTV Camera to be disabled. The editor window for the CCTV Camera should appear.
3. Click on 

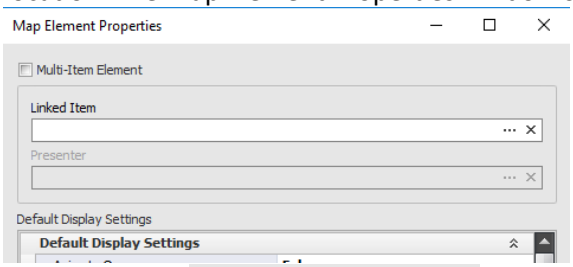
to check the checkbox and disable the selected CCTV Camera.
4. Save and close the editor window and the CCTV Camera will be disabled.

NOTE: Disabled CCTV Cameras cannot be used, and must be re-enabled (by unchecking 

in the CCTV Camera) before they can be used again.

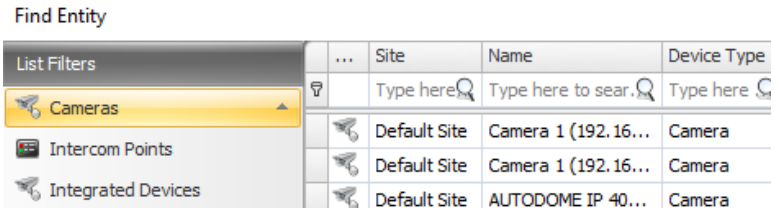
Adding CCTV Cameras to Schematics

1. In Integriti System Designer double click on the Schematic Map to add the desired CCTV Camera/s to. The editor window for the Schematic should appear.
2. Select Icon from the bar at the top of the screen and click on the map at the desired location of the CCTV Camera to add a new icon to the Schematic at the selected location. The Map Element Properties window should appear.



3. Select ··· in the 

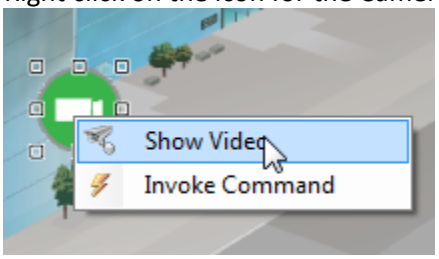
property to select the Camera to add to the Schematic. The Find Entity window should appear.
4. From the left hand side of the Find Entity window select Cameras to filter the list down to show only Cameras.



5. From the list of CCTV cameras available in the system, select the Camera to add to the Schematic and select OK to close the Find Entity window.
6. Select OK again in the Map Element Properties window to finish adding the selected Camera to the map.
7. Move and resize the newly added icon ( ) for the selected CCTV Camera to the desired location and size.
8. Save and close the editor for the Schematic.

Upon being added to a Schematic, the icon for the CCTV camera will allow for the following in the Schematics Map:

- If CCTV Device State monitoring is enabled, the live state of the camera will be shown on the map through different coloured icons, as well as a text description when the icon is clicked on.
- Live video for the CCTV camera can be shown through one of the following two approaches:
  - Right click on the icon for the Camera and select Show Video.



- Click on the icon for the Camera then click on Show Video in the Commands toolbox.



- Invoking one of the available commands for the selected Camera.

Troubleshooting

Plugin doesn't appear in 'New Integrated Device' List	Restart the Integriti Integration Server and restart any instances of Integriti System Designer or Integriti Gatekeeper open on the computer experiencing the problem
Live video not streaming from camera	• Is the camera is correctly configured in the Mobotix server? • Can live video be viewed from the Mobotix software? • Does the logged in Mobotix User have sufficient permissions for viewing live video?
Archived video not streaming from camera	• Is the camera is correctly configured in the Mobotix server? • Can archived footage be viewed on the Mobotix server for the selected time (and does archived footage exist at the selected time)? • Does the logged in Mobotix User have sufficient permissions for viewing archived video?
Archived video going to the wrong time	• Does archived footage exist at the selected time? • Is the time the same on both the Mobotix server and the client computer viewing archived video from?