

Aimetis Symphony™

Version 6.12

Client Guide

December 18, 2013



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Preface

Conventions

Table 1. Symbols and formatting used in this manual

Icon	Caption/Format	Description
	Note	Additional information.
	Example	Example scenario.
	Important	Vital additional instructions or links.
	Caution	You could lose recording footage or you must pay close attention to setting changes.
	Bold, Arial Font	Graphic User Interface term (button, menu, window, option) or keyboard item.
	<i>Italic, Arial</i>	Emphasis, new term, or an external reference.

Document Suite

Table 2. Aimetis documents and videos

Document Name	Links
Symphony Release Notes	https://www.aimetis.com/Xnet/downloads/documentation.aspx
Symphony Installation Guide	https://www.aimetis.com/Xnet/downloads/documentation.aspx
Symphony Administration Guide	https://www.aimetis.com/Xnet/downloads/documentation.aspx
Symphony Analytics Guide	https://www.aimetis.com/Xnet/downloads/documentation.aspx
Symphony Client User Guide	https://www.aimetis.com/Xnet/downloads/documentation.aspx
Knowledge Base Articles	http://www.aimetis.com/Support/knowledgebase.aspx
Case Studies	http://www.aimetis.com/Solutions/customers-case-studies.aspx
White Papers	http://www.aimetis.com/Solutions/whitepapers.aspx
Application Video Samples	https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx
Recorded Webinars	http://www.aimetis.com/Events/webinars.aspx
Product Tour	https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx
Supported Video Devices List	http://www.aimetis.com/Support/supported-video-devices.aspx
Licensing	http://www.aimetis.com/Symphony/default--licensing.aspx
FAQ	https://www.aimetis.com/Xnet/Support/faqs.aspx

Aimetis Xnet Portal

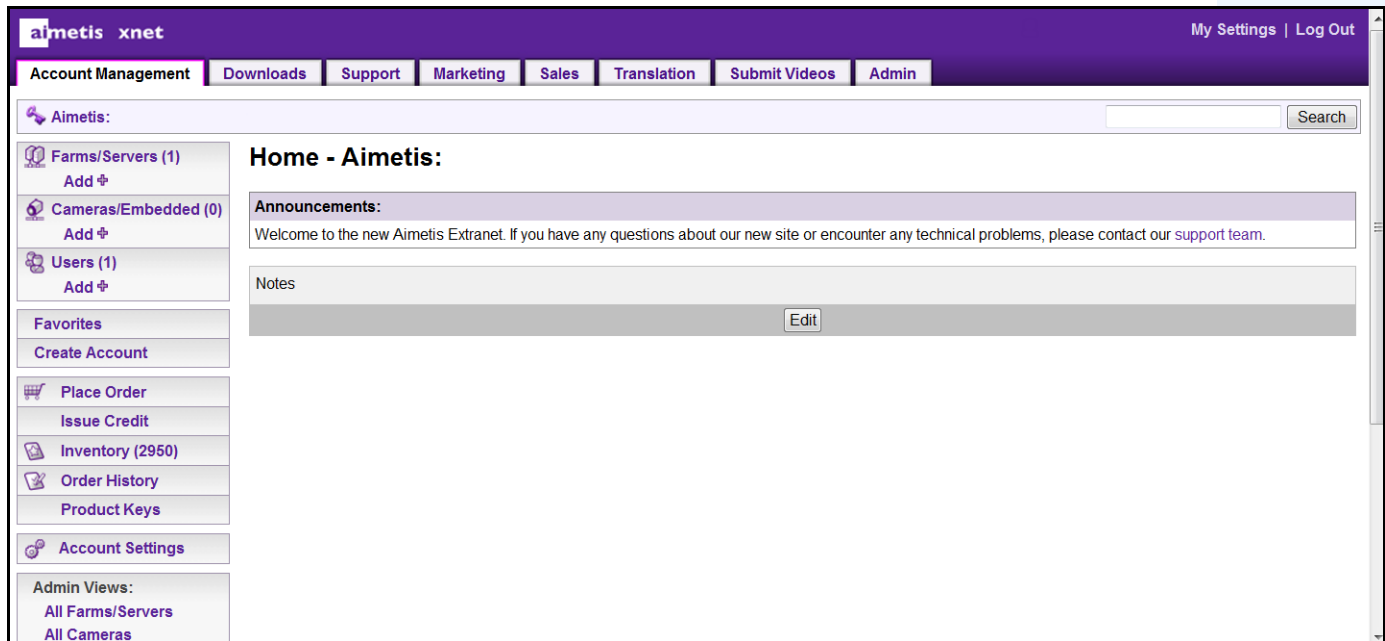


Figure 1. Aimetis Xnet home page

Xnet is the Aimetis Online Portal: www.aimetis.com/Xnet

You can :

- Order Licenses
- Manage Sub-Partner Accounts
- Access Technical Support & Downloads
- Access Sales & Marketing Tools
- Access Aimetis Software Translation



Note: Access to tools depends on account type, for example, Distributor, Certified Partner, Authorized Partner, End-User. For instructions, see [Table 3 on page v](#).

Table 3. Instructions for using the Xnet

Xnet Instructions	Links
Xnet Training Manual - Resellers	https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx
Recorded Webinar - Xnet Training - Distributors	https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx

Table 3. Instructions for using the Xnet

Xnet Instructions	Links
Recorded Webinar - Xnet Training - Channel Partners	https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx
Xnet Training Manual - Distributors	https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx
Aimetis Symphony Architectural and Engineering Specification	https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx
Hardware Benchmarks guidelines for 10, 20, 40 and 200 camera systems.	https://www.aimetis.com/Xnet/Marketing/collateral-library.aspx

Contact Us

Table 4. Contact links, addresses, phone numbers

Contact Type	Description
About Aimetis	http://www.aimetis.com/Company/default.aspx
Contact link	http://www.aimetis.com/Company/contact.aspx
Support link	http://www.aimetis.com/Support/default.aspx
Americas	Aimetis Headquarters 500 Weber Street North Waterloo, Ontario, Canada N2L 4E9 Phone: +1866-544-2804 or +1 519-746-8888 Fax: +1 519-746-6444
EMEA	Aimetis GmbH Am Prime Parc 7 65479 Raunheim Germany Telefon: +49 (0) 6142 207 98 60 Fax: +49 (0) 6142 207 98 89 www.aimetis.de
Asia - Pacific	Aimetis China Rm. 1328 Yunsun Tower 2025 Zhongshan West Road Xuhui, Shanghai China 200235 Phone: 86-21-6182-6916 Fax: 86-21-6182-6777

Document History

Sym-6.12-P-303

Table 1. Changes to this manual

Date	Description
December 18, 2013	<p>6.12.3.1 Search object based on color: “ Search Using Color Detection of the VE180 Analytic” on page 77 Alarm Counts report changed to Alarm Statistics and new report created called Alarm Report:</p> <ul style="list-style-type: none"> • “Figure 53. New Report button launches Report Designer” on page 117 • “Alarm Statistics” on page 135 • “Alarm Report” on page 136
November 2013	<p>Missing procedure now documented: Maps - Change Image: “ To change the map image while retaining device icons:” on page 24</p>
October 7, 2013	<p>Release 6.12.2 New Columns for Object Counts Report: People, Vehicles, Unknown New Columns for Object Counts Across a Line Report: People In, People Out, Vehicles In, Vehicles Out, Unknown In, Unknown Out, Count In -> Renamed to Total In, Count Out -> Renamed to Total Out</p> <ul style="list-style-type: none"> • “Exporting file type options” on page 123, “Send Report to Email distribution list or save to File” on page 124, “Columns in Report Designer” on page 126 • “9. Select the format and create an email recipient list for the report in the Distribution> Email tab. Formats include: PDF, CSV (comma separated document), XML, and bitmap image. You can also include Summary Information about Total In and Total Out.” • “12. (Optional) Select a Graph Type, Graph Size, and Graph Default (for example, Total In or Total Out for the Information Summary. (Graph Size is the image size of the report graphic).”
June 18, 2013	<p>Added Footnote regarding grey digital I/O map icons - “Adding Digital Input and Output to Maps” on page 27</p> <p>Clarified New option to select another image for Heat Map report: “Figure 67. Select a new image from the timeline” on page 132. <i>Ensure that camera is recording in order to select different image from the Timeline.</i></p>

Table 1. Changes to this manual (Continued)

Date	Description
June 12, 2013	<p>Release 6.12</p> <p>New option to select another image for Heat Map report: “Figure 66. Select Different Image button” on page 131 and “Figure 67. Select a new image from the timeline” on page 132</p> <p>New option Follow focus in “Figure 63. Sound tab” on page 57 of “Symphony Client Settings” on page 48</p>
May 2013	<p>Release 6.11.1</p> <ul style="list-style-type: none"> • “Reports” on page 115 - The Generate Image option is valid and <i>displayed only</i> for Heat Map reports. The Include Summary Information option is valid and <i>displayed only</i> for Object Counts Across a Line reports. • “Reports” on page 115 - You can select a filename for a distributed report: “Figure 57. Distrubtion>File subtab - Format in which generated report to be saved” on page 120
March 2013	<p>New Features in Symphony 6.11</p> <ul style="list-style-type: none"> • User can drag camera from maps to Video Wall - “Using Maps” on page 17 • Audio icons in Navigation bar - “Audio” on page 33 • Client Settings for Audio output on Sound tab - “Sound” on page 57 and “Figure 63. Sound tab” on page 57 • All users can view and modify their user information - “Modifying User Information” on page 72 • Drag and drop camera from Quick Find search into camera panel - “Quick Find” on page 109, “Figure 48. Drag camera from Quick Find search into camera panel” on page 109 • Override label in Camera Tree indicates that recording on the camera has been stopped - “Figure 19. Override label beside camera” on page 15 • Schedule PTZ camera tours to hour or minute ranges - “Figure 43. Schedule when camera tour active” on page 104 • Maps sorted alphabetically, new map listed automatically now with original filename, partial matches displayed based on text in search field - “Figure 21. Map Navigation” on page 17, “To add a map:” on page 18 • Client Settings for Device Pack updates on Update tab - “Update” on page 64, “Figure 68. Update tab” on page 64 • New Advanced tab in client settings contains options from prior Memory and Logging tabs, and new option to enable/disable messages to the user in the event of a Symphony Client crash - “Advanced” on page 65, “Figure 70. Advanced tab” on page 65 <p>Updated/Clarified</p> <ul style="list-style-type: none"> • “Figure 20. Device Tree configuration options” on page 16 • “Reports” on page 115

Table 1. Changes to this manual (Continued)

Date	Description
November 15, 2012	<p>New features in Symphony 6.10.1:</p> <p>“Appearance Tab” on page 38 - Multi-streaming in Symphony for analytics and Camera Views reduces server and client CPU and CPU transcoding.</p> <p>“Reports” on page 115</p> <ul style="list-style-type: none"> • “User Permissions” on page 115 • All reports except Heat Map allow you to select more than one camera. • “Heat Map Image” on page 128 - Using Interval Time and Dwell Threshold • “Figure 65. Sensitivity tab” on page 130 <p>Improvements to this manual:</p> <p>“Tracking Tab” on page 45</p>
September 13, 2012	<p>Revised: “ Adding Digital Input and Output to Maps” on page 27. Supported DIO devices now listed in KB article: http://www.aimetis.com/Support/kbarticle.aspx?ID=10141</p>
September 12, 2012	<ul style="list-style-type: none"> • “Timeline Colour Code” on page 3 - added edge storage and PT091 • Correction to “Heat Map Image” procedure content for Sensitivity tab, missing Dwell Time information: “7. Since the Heat Map Image report was selected, the Sensitivity tab is enabled.” on page 130
August 2012	<p>Release 6.10</p> <ul style="list-style-type: none"> • Camera Views: “Figure 18. Camera Views saved in Camera Tree dialog box” on page 14, “Placing Camera Views on Maps” on page 20 • “Figure 34. Playback Mode with context menu options displayed” on page 31 - New context menu • “Figure 35. White arrows on timeline indicate start and end time for video export” on page 32 • Go back to previous state after seconds - “Activity Tab” on page 39 • “Symphony Client Settings” on page 48 - “Video” on page 53 - new Direct connect to camera option • Camera View tab - in previous releases Multi View - “Camera View” on page 55 • “Symphony Client Settings” on page 48 - procedure for each tab in the Symphony Client Settings dialog box • “Figure 46. Camera View Settings dialog box with Activity tab active” on page 39, “Camera View” on page 55 • “Register New Server” on page 67 - new process • “ Logging In, Switching Users, and Supervisor Logon” on page 69 • Symphony saves format and destination of Video Export within a session - “Using Export” on page 92 • “Object Counts Across a Line” on page 125: Can now select multiple cameras. “Figure 63. Line tab - extending and shaping the counting line” on page 126. Can now generate an Information Summary on Counts In and Out

Table 1. Changes to this manual (Continued)

Date	Description
June 13, 2012	<p>Revised:</p> <ul style="list-style-type: none"> • White, black, and pink indicators in timeline: “Timeline Colour Code” on page 3 • “Figure 45. Camera View Settings dialog box with Appearance tab active” on page 38 - Render Mode now labeled Display Mode • “Figure 58. Alarms tab” on page 51 - Policy column heading now labeled Rule • “ Using a Joystick” on page 100 - “ Advanced Usage Only” on page 100 <p>Added:</p> <ul style="list-style-type: none"> • “Figure 61. Camera View tab” on page 55 - New Camera view tool button default behavior option
May 2012	<p>Added</p> <ul style="list-style-type: none"> • “Tracking Color” on page 88 • “Camera Tour” on page 101
February 28, 2012	<p>Release 6.9.1</p> <ul style="list-style-type: none"> • “Using Export” on page 92 - Right-click on Timeline to establish Start and End points for exported video: <ul style="list-style-type: none"> • “Figure 23. Right-click context menu on Timeline” on page 93 • “Figure 24. Start and End arrow times reflected in Video Export dialog box” on page 93 • Images from scheduled Heat Map reports: <ul style="list-style-type: none"> • “In scheduled reports, only an image can be emailed/saved for a Heat Map Report.” on page 122 • “In scheduled reports, Symphony can email/save images ONLY for Heat Map reports.” on page 125 <p>Revised:</p> <ul style="list-style-type: none"> • “ To acknowledge an alarm (rule on map):” on page 27 • “ To mark an alarm:” on page 114

Table 1. Changes to this manual (Continued)

Date	Description
January 31, 2012	<p>Release 6.9</p> <p>Revised</p> <ul style="list-style-type: none"> • “Working with Carousels” on page 91 - Access Carousels ONLY by clicking Carousel icon in Tool Strip • “Running a Report from the Web” on page 137 - If Camera Tree contains more than 100 devices, the Web Client shows video from cameras as separate pages, navigated by forward and back buttons. <p>Added</p> <p>“Exporting Video” on page 92</p> <ul style="list-style-type: none"> • New Add button “Figure 22. Export Video dialog box” on page 92 • Export video from multiple cameras “Figure 25. Select cameras from which to export video” on page 94 • Exclude audio export in AVI files “Figure 26. AVI file type selected” on page 94 • “ Video Playlist for Large AVI File Export” on page 96 <p>“Reports” on page 115</p> <ul style="list-style-type: none"> • “Figure 52. Reports dialog box” on page 116 • “Figure 54. Selecting a device in Report Designer dialog box” on page 117 • “Figure 56. Distribution>Email subtab showing an email list for reports” on page 119 • “Figure 57. Distrubtion>File subtab - Format in which generated report to be saved” on page 120 • “Figure 58. Schedule when reports will be run” on page 121 • “Figure 62. Send Report to Email distribution list or save to File” on page 124
Sym-6.8-P-304	
December 15, 2011	<p>Release 6.8.2</p> <p>Added:</p> <ul style="list-style-type: none"> • Instructions for Video Export log file and using md5sum, see “Figure 27. Video Export log file” on page 95 • “Figure 68. Aimetis Symphony Web Access” on page 137 • “Figure 69. Web Login” on page 138 <p>Revised:</p> <ul style="list-style-type: none"> • “Exporting Video” on page 92: The filename is saved as <CameraName> - <Capture Resolution> - <Capture FPS> - <Capture Format>_YYYYMMDD_HHMMSS

Table 1. Changes to this manual (Continued)

Date	Description
December 6, 2011	<p>Release 6.8.1 Revised:</p> <ul style="list-style-type: none"> • “Figure 1. Main Console” on page 1 • “Figure 2. Timeline” on page 2 • “Figure 4. Tool Strip button clicked to display the Address bar” on page 3 • “Figure 33. Live Mode” on page 30 • “Figure 34. Playback Mode with context menu options displayed” on page 31 • “Figure 36. Multi View icons” on page 33 • “Figure 2. Search button” on page 74 • Introductory information to “View Search Results” on page 81 • “Using Export” on page 92: “Figure 26. AVI file type selected” on page 94 <p>Added:</p> <ul style="list-style-type: none"> • Definition for In Stock Counts report in “Reports” on page 115 • Information on Sensitivity tab for “Heat Map Image” on page 128 in “Reports” on page 115 • “Using Export” on page 92: “Figure 28. Segment large files using the Split Files at option” on page 95
November 28, 2011	<p>Release 6.8 Revised:</p> <ul style="list-style-type: none"> • “Camera Tree” on page 14 • “Customizing the Camera Tree” on page 15 • “Adding a Map” on page 18 • “Placing Cameras on Maps” on page 19 • “(Optional) Creating Map Hot Links” on page 21 • “Deleting a Map, Removing a Camera Icon or a Hot Link” on page 24 • “Adding Digital Input and Output to Maps” on page 27 • “Activating an Output Device Using the Map Context Menu” on page 29 • “Figure 60. Video tab” on page 53 - default renderer • “Figure 63. Line tab - extending and shaping the counting line” on page 126 in “Reports” on page 115 <p>Added:</p> <ul style="list-style-type: none"> • “Figure 20. Device Tree configuration options” on page 16 • “Display Four Historical Video Streams Concurrently in Fast Forward Mode” on page 37 • “Using Export” on page 92 • Email reports to distribution list in various formats - “Figure 56. Distribution>Email subtab showing an email list for reports” on page 119 and “Figure 62. Send Report to Email distribution list or save to File” on page 124 <p>Removed: LPR Search - now in Aimetis Symphony - Automatic License Plate Recognition Guide. See https://www.aimetis.com/xnet/Support/documentation.aspx</p>
Sym-6.7-P-302	

Table 1. Changes to this manual (Continued)

Date	Description
October 3, 2011	Added: <ul style="list-style-type: none"> • “Creating Two Heat Map Reports to Run from the Web” on page 139
August 18, 2011	Clarification <i>ADAM hardware devices only</i> for Digital I/O on Maps “Adding Digital Input and Output to Maps” on page 27 Added: “Example 1 ” on page 41 for “Activity Tab” on page 39 in “Customizing Video Panel Properties” on page 38
August 2011	Release 6.7 Added: <ul style="list-style-type: none"> • “Icons on Map” on page 25 • “Acknowledging Rules on Maps” on page 27 • “Adding Digital Input and Output to Maps” on page 27 • “Maps” on page 56 in “Symphony Client Settings” on page 48 • “Support for AXIS T8310 Surveillance Control Board” on page 106
Sym-6.6-P-300.2	
June 3, 2011	Icon change for Notes and Examples. Font change - highly readable for both online and print documents.
May 16, 2011	“LPR” on page 84
Sym-6.5-P-300.4	
January 21, 2011	Added: “Running a Report from the Web” on page 137
December 3, 2010	Added: “Recent Alarms/Motion” on page 86

Table 1. Changes to this manual (Continued)

Date	Description
November 10, 2010	<p>Revised:</p> <ul style="list-style-type: none"> • “Figure 1. Main Console” on page 1 • Options in Lock tab of Symphony Client Settings dialog box, see “Lock” on page 62 • “Figure 11. View Search Results dialog box” on page 81 <p>Removed:</p> <ul style="list-style-type: none"> • Server Sets <p>Added:</p> <ul style="list-style-type: none"> • Refine Search option, see “View Search Results” on page 81 • Maximum size video clip, see “Exporting Video” on page 92 • “Recurring Search” on page 83 • “Alarm Console” on page 111 • “Alarm Console” on page 111 • “Enable or Disable Alarms for Server” on page 113 • “Marking Alarms” on page 114 • “Reports” on page 115 • “Object Counts Across a Line” on page 125 • “Heat Map Image” on page 128 • “Object Counts” on page 133 • “Object Statistics” on page 134 • “Alarm Statistics” on page 135 • “Reporting Issues to Aimetis” on page 140
October 6, 2010	First version of this document. Symphony v6.5.3

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Chapter 1

Symphony Client Main Console

The Main Console is the primary window that you will use within Symphony Client. The Main Console consists of typical Windows application items such as the Title Bar, Menu, Toolbars, and controls for minimize, maximize, and close. The Main Console also includes panels:

- Video panels for live mode, historical playback, and analyzing still frames
- Camera Tree panel listing devices
- Map panel representing camera location placement
- Alarm Log panel for a summary and detailed view of raised alarms
- Server List panel indicating IP addresses and server status
- Application Log panel listing messages and errors since Symphony Client started

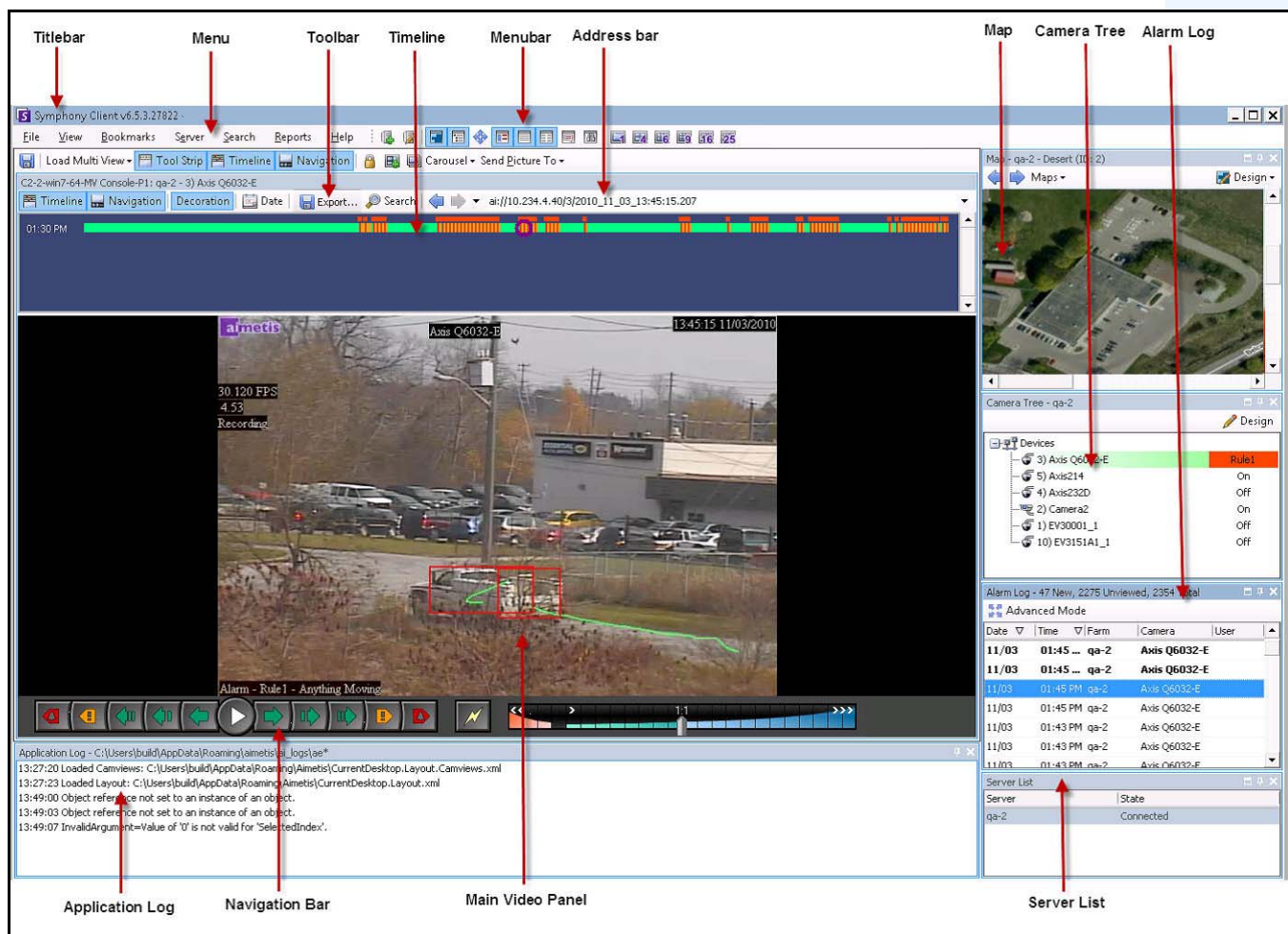


Figure 1. Main Console

Timeline

The Timeline is a powerful way to view everything that has happened in a day at a glance. The Timeline is integrated in the main view of Symphony Client.

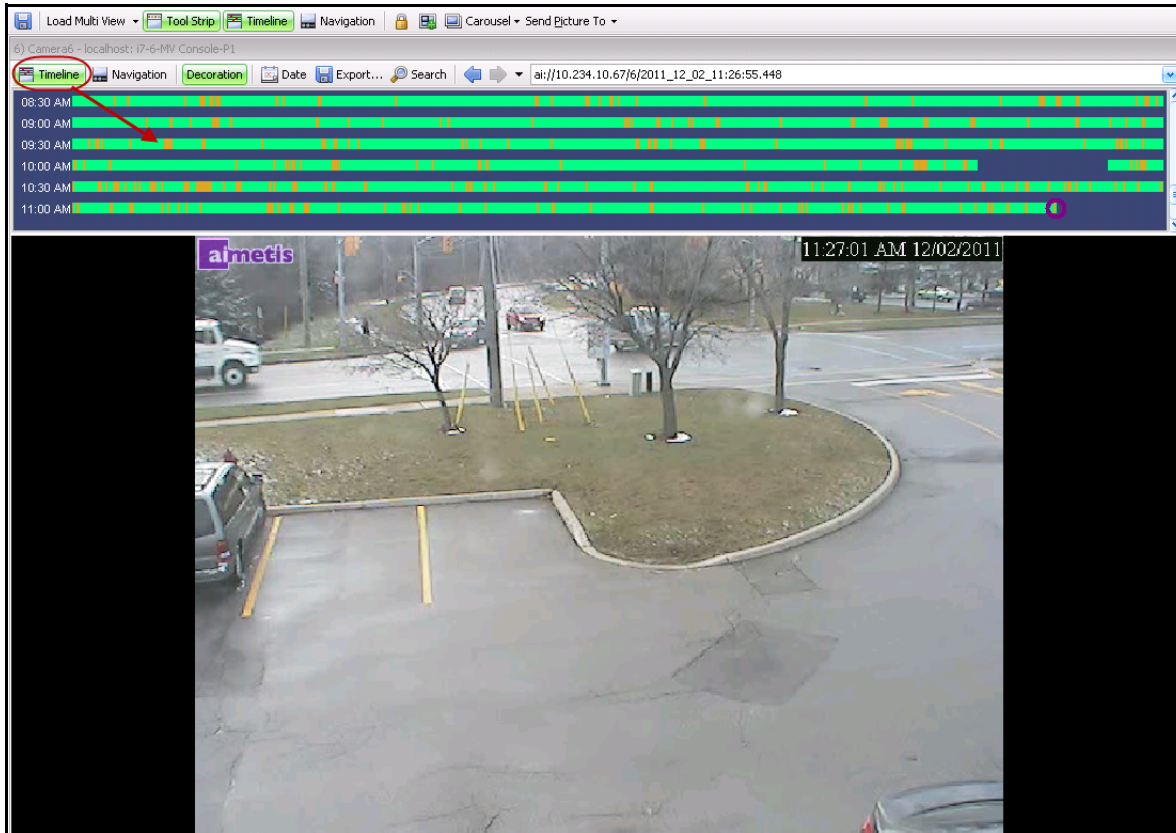


Figure 2. Timeline

Procedure

To display the timeline:

- Click the **Timeline** button
OR
- Right-click on the Video Panel and select **Show Timeline**.

If you click anywhere on the **Timeline**, a still image for that time will appear in the main view.

Timeline Colour Code

- Green: No relevant foreground activity was detected.
- Contrasting green bar: Indicates that video was not recorded locally in the Windows machine, but Symphony is already downloading the video from an AXIS camera. Symphony does not analyze video downloaded from the camera. As such, it does not determine activity type, for example, broken rule or video signal lost.
- Yellow-orange: Indicates activity.
- Red: A Rule was broken that resulted in an alarm being raised. By default, rules are summarized on the Timeline using a red square. You can customize how rules are displayed on the Timeline from the **Alarms** tab in the Symphony **Client Settings** dialog box. See [“Symphony Client Settings” on page 48](#).
- Gray: Poor video quality.
- White: Access granted.
- Black: Access denied.
- Purple circle: Always indicates the Timeline position for what is currently being viewed in the Video Panel.
- Pink horizontal bar: Indicates that camera is not in the home position. Visible only when camera set up with auto tracking (PT090/PT091 video analytic).

Address Bar

The address bar contains a Symphony link to the last selected video position. Each time you click on the Timeline or navigate to a different camera on a different server, this information is recorded. This allows you to navigate backwards or forwards from your current position.

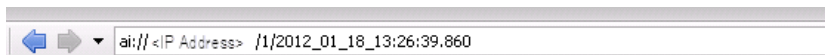


Figure 3. Address bar

Procedure

To display the address bar:

- Click the **Tool Strip** button. The address bar is displayed.

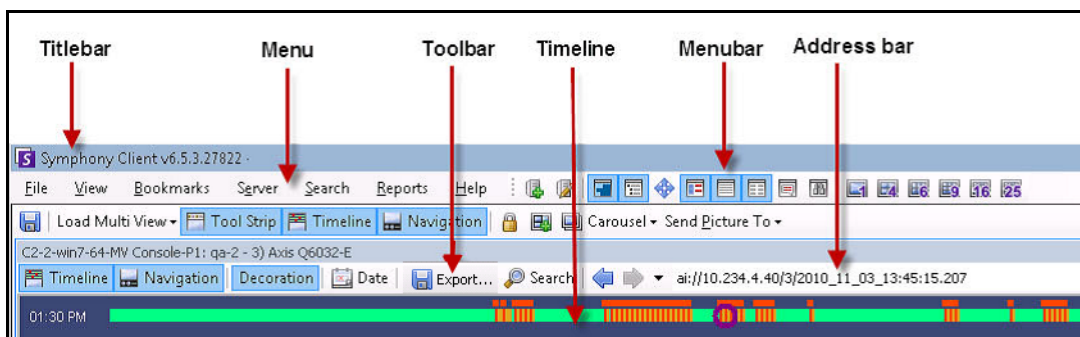


Figure 4. Tool Strip button clicked to display the Address bar

Procedure

To navigate using the address bar:

- Use the **Forward** and **Back** arrow buttons on the address bar to navigate to camera sites.
- To view a location you have just visited, click the **Back** arrow button. You will return to the camera and time you were just viewing.
- If you have already installed Symphony Client on a computer, you can access the position from the Windows **Start** menu.
 - Click **Start** and then **Run**. Paste a Symphony link in the **Open** field and click **OK** (Figure 5 on page 4). Symphony Client opens at the link location.

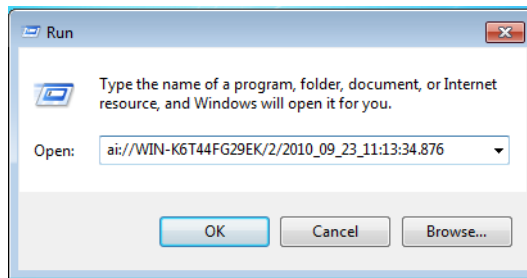


Figure 5. Windows operating system Run dialog box

Alarm Log

The **Alarm Log** panel shows a list of alarms for connected servers.

Procedure

To display the alarm log panel:

- From the **View** menu, select **Alarm Log**.

OR

- Click the **Alarm Log** icon on the Menu Toolbar.

Date	Time	Farm	Camera	User
09/28	06:16 PM	localhost	ACTI - 5611	
09/28	03:54 PM	localhost	AXIS 214	
09/28	03:07 PM	localhost	AXIS 214	
09/28	02:17 PM	localhost	AXIS 214	
09/28	02:11 PM	localhost	AXIS 214	
09/28	02:08 PM	localhost	AXIS 214	
09/28	01:40 PM	localhost	AXIS 214	

Figure 6. Alarm Log

Customizing the Alarm Log

By default, the **Alarm Log** panel is docked inside the main view. However the **Alarm Log** panel can be dragged into a second monitor and configured to display more information. In **Advanced Mode**, the **Alarm Log** panel provides detailed information: camera view, alarm details, thumbnails of alarms.

Procedure

To display the Alarm Log in Advanced Mode:

- Click the **Advanced Mode** button in the **Alarm Log** panel.

Date	Time	Farm	Camera	User
09/28	06:16 PM	localhost	ACTI - 5611	
09/28	03:54 PM	localhost	AXIS 214	
09/28	03:07 PM	localhost	AXIS 214	
09/28	02:17 PM	localhost	AXIS 214	
09/28	02:11 PM	localhost	AXIS 214	
09/28	02:08 PM	localhost	AXIS 214	
09/28	01:40 PM	localhost	AXIS 214	

Figure 7. Alarm Log panel with Advanced Mode button

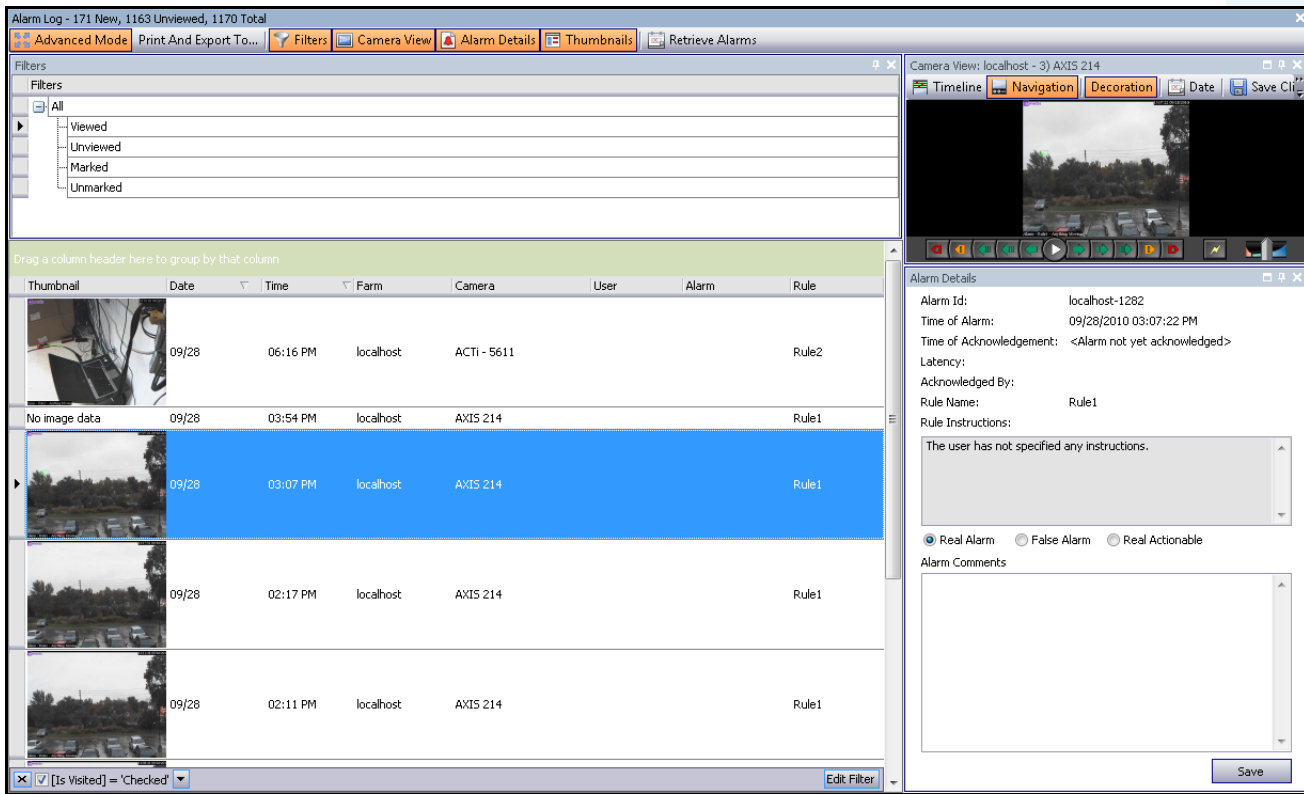


Figure 8. Alarm Log expanded to show Advanced Mode view

Column Chooser

The **Column Chooser** menu option allows you to customize which columns are displayed.

Procedure

To use the Column Chooser:

1. Right-click on one of the column headings in the **Alarm Log** panel and select **Column Chooser**.
2. Drag columns from the **Customization** dialog box to the column headings in the **Alarm Log** or drag column headings from the **Alarm Log** into the **Customization** dialog box.

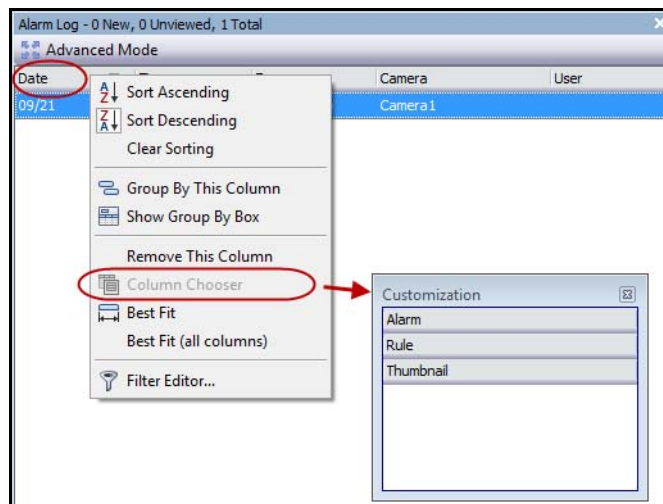


Figure 9. Column Chooser

Grouping Columns in the Alarm Log

Grouping by columns is an effective way of organizing the potentially long list of alarms. A typical use would be to group all alarms by **Server**, then by **Camera** as shown in [Figure 10 on page 8](#).

Procedure

To group by column:

- Drag the desired column heading into the area marked by the text **Drag a column header here to group by that column**.

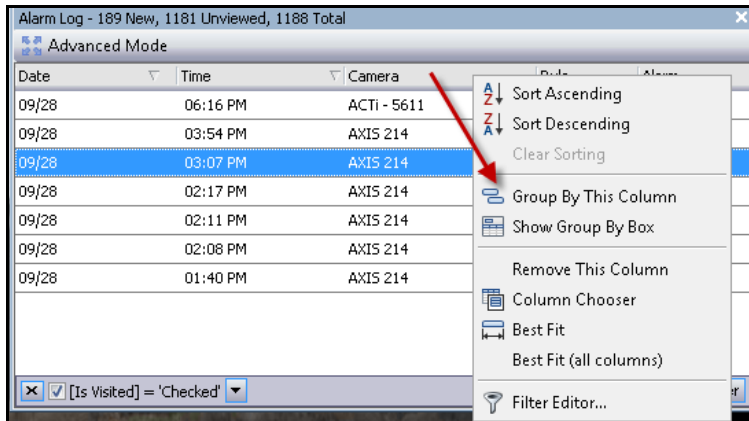


Figure 10. Before grouping

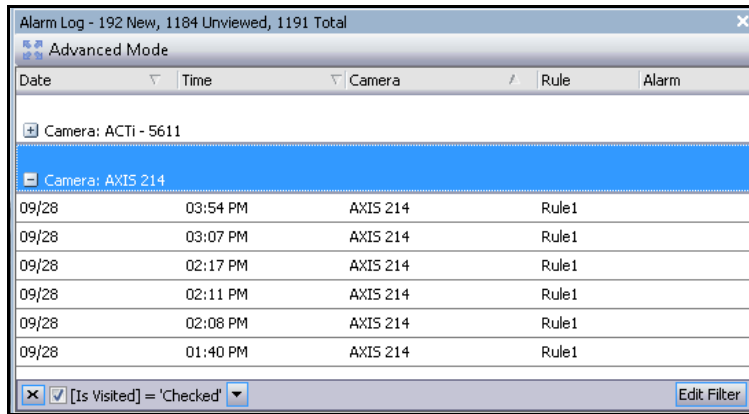


Figure 11. Grouping by Camera

Tree View of Alarm Filtering Options

In the **Advanced Mode**, the alarm filter options are displayed.

Procedure

To display a tree view of the alarm filtering options:

- Click the **Filters** toolbar button.
 - Select **Viewed** to show only those alarms that have already been viewed.
 - Select **Unviewed** to show only those alarms that have not yet been viewed.
 - Select **All** to show all alarms.
 - Select **Marked** to show only those alarms that have already been marked (acknowledged). See [“Alarm Details” on page 11](#).
 - Select **Unmarked** to show only those alarms that have not yet been marked (acknowledged). See [“Alarm Details” on page 11](#).

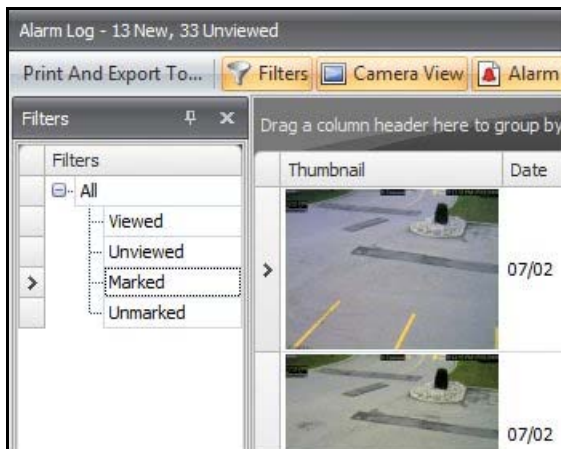


Figure 12. Filters for viewing alarms

Camera View

A **Camera View** panel can be docked within the **Alarm Log** panel, or dragged onto another display monitor.

Procedure

To display a camera view:

- Click the **Camera View** toolbar button.

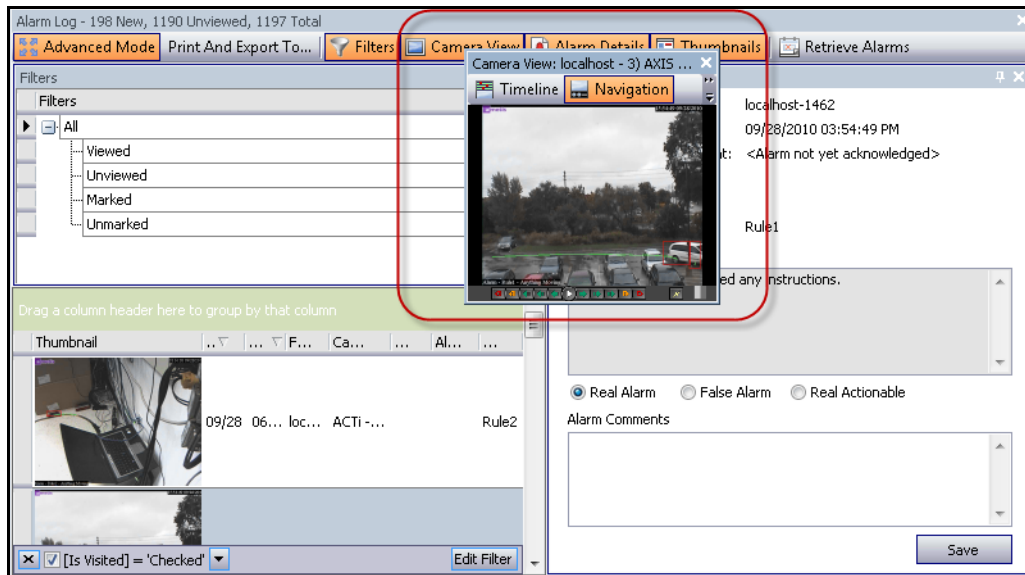


Figure 13. Camera View displayed

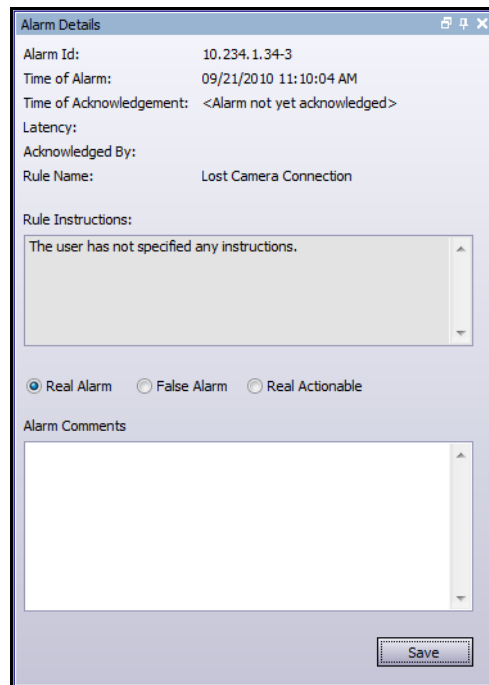
Alarm Details

The **Alarm Details** panel can be docked within the **Alarm Log** or dragged onto another display monitor.

Procedure

To display alarm details:

1. Click the **Alarm Details** toolbar button.
2. (Optional) Enter any relevant details in the **Alarm Comments** area and click **Save**.



Alarm Details

Alarm Id: 10.234.1.34-3
Time of Alarm: 09/21/2010 11:10:04 AM
Time of Acknowledgement: <Alarm not yet acknowledged>
Latency:
Acknowledged By:
Rule Name: Lost Camera Connection

Rule Instructions:
The user has not specified any instructions.

Real Alarm False Alarm Real Actionable

Alarm Comments

Save

Figure 14. Alarm Details dialog box

Date

The Calendar allows you to load alarms for all connected servers for a specific date. Days displayed in **bold** weight font contain video data.

Procedure

To display the calendar:

- Click the **Date** toolbar filter button.

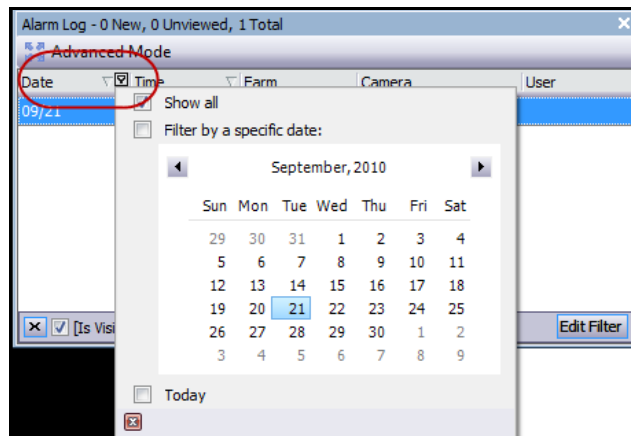


Figure 15. Calendar selection to view archived alarms

Application Log

The **Application Log** panel is at the bottom of the Main Console. It lists errors and messages that have occurred since Symphony Client was started.

Procedure

To activate the application log:

1. From the **View** menu, select **Application Log**.
OR
Click the **Application Log** icon in the Menu Toolbar.
2. Double-click on any entry in the **Application Log** panel and the entire message will be displayed.

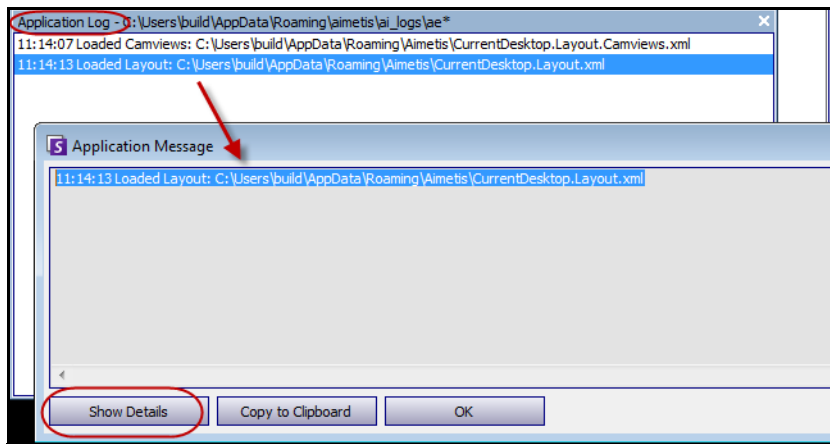


Figure 16. Application Log expanded to show details

Camera Tree

By default, the **Camera Tree** panel is shown in the top right of the Main Console. The **Camera Tree** is the default method of navigating in the user interface of Symphony Client between cameras. Like tree or folder organization of files in common Windows applications, all cameras are listed in a predefined order. In Symphony Client, the cameras are listed in order of camera ID. Each camera has a unique ID and is set automatically by the system as cameras are added.

Procedure

To display the Camera Tree:

- From the **View** menu, select **Camera Tree**. The **Camera Tree** can be docked to the main console, or undocked and dragged to any monitor.

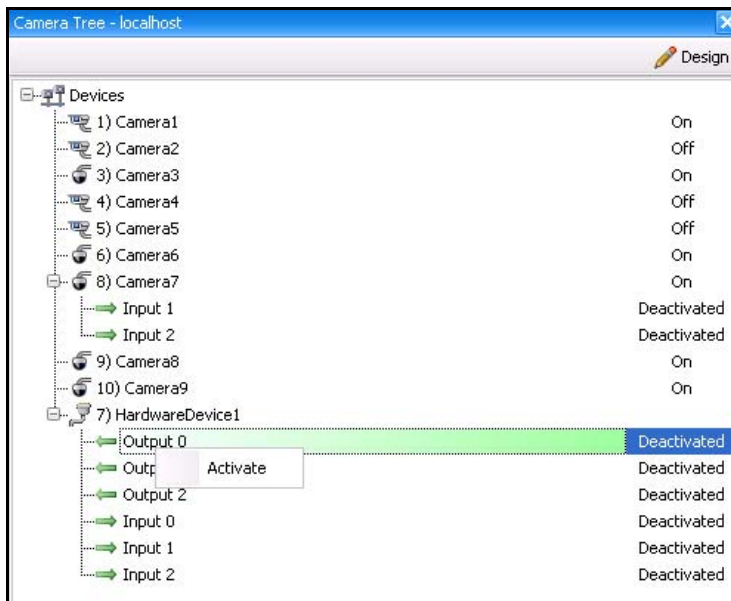


Figure 17. Camera Tree - How camera IDs are organized - I/O Devices with status displayed

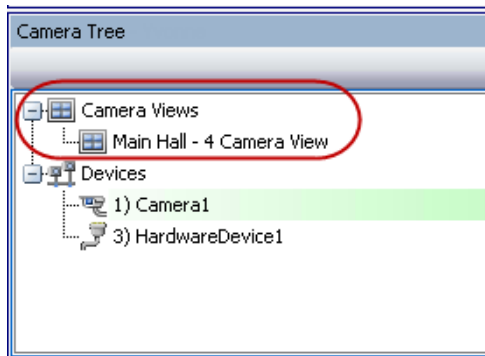


Figure 18. Camera Views saved in Camera Tree dialog box

The **Override** label beside a camera indicates that recording on the camera has been stopped. Specifically, the **Record Video** setting in the camera configuration was changed by a user by right-clicking in the **Camera Tree** and selecting **Stop Recording**. The **Override** label reminds the user to right-click and select **Resume Record mode** when necessary.

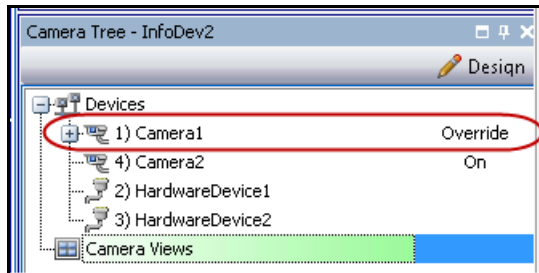


Figure 19. Override label beside camera

Customizing the Camera Tree

Procedure

To customize the Camera Tree:

1. Access the **Camera Tree** panel one of the following ways:
 - From the **Server** menu, select **Device Tree Configuration**. The **Device Tree Configuration** dialog box opens.
 OR
 - From the **View** menu, select **Camera Tree**. Click the **Design** button in the right corner of the **Camera Tree** dialog box. The **Device Tree Configuration** dialog box opens.
2. To add a folder to your camera tree, click **Add**.
3. To delete the currently selected object, either a camera or folder, click **Delete**.
4. Click **Options** in the upper right corner of the dialog box. You can select or clear the **Show Device Icons**, **Show Device Numbers**, and **Show Digital I/O** check boxes to modify the display of these items.
5. To add a camera to the tree, select a camera from the right pane. Drag and drop it with your mouse in the left pane.



Note: The Device Tree can be automatically generated and maintained from an external source. In this scenario, Symphony needs to query the source for changes in the camera tree structure. Define the time interval to query the source in the **Device Tree Synchronization** found in "Managing General Settings" in the **Administration and Analytics Guide**.

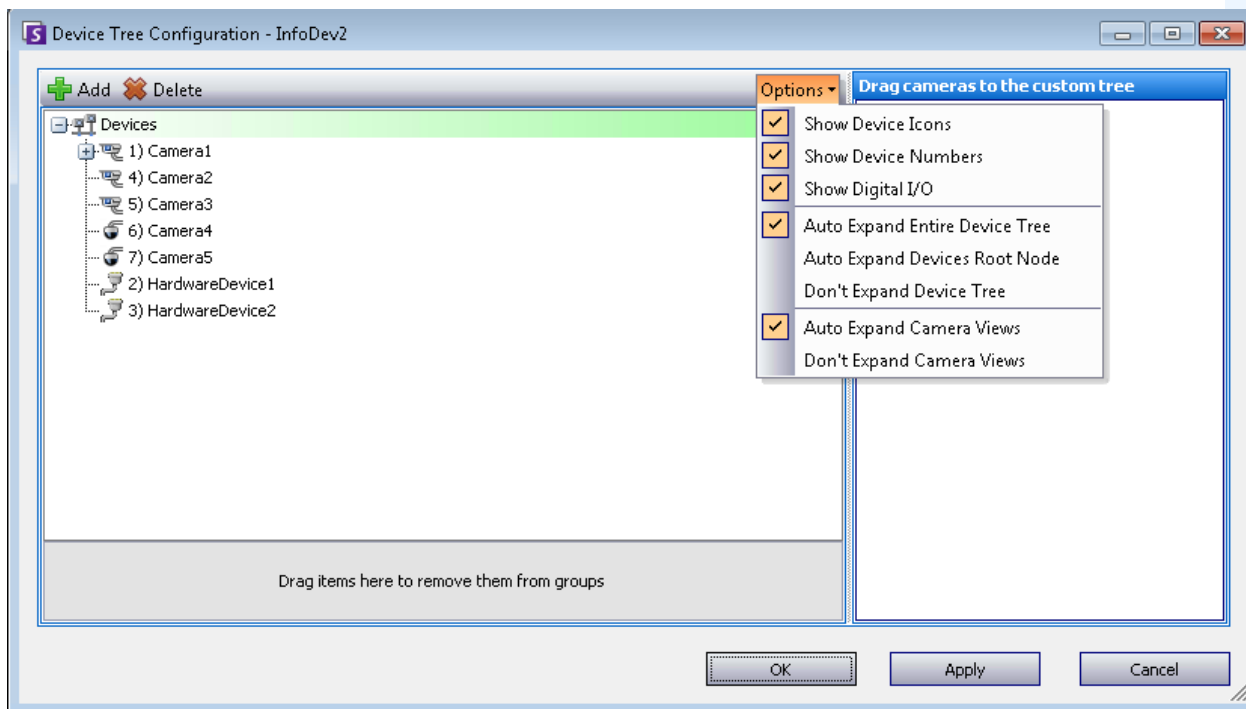


Figure 20. Device Tree configuration options

Ban Video from Cameras and Camera Groups



In the **Camera Tree**, the (right-click) **Ban Video** context-menu item allows you to ban video from cameras and camera groups. Only users and groups with specified permissions can use this feature.

- When **Ban Video** is selected for camera(s) and/or group(s), the permissions for View Live Video and View Historical Video access will be changed to Deny.
- When **Unban Video** is selected for camera(s) and/or group(s), the permissions for View Live Video and View Historical Video access will be changed to Unspecified.

For details on user groups and permissions, see the Aimetis Symphony **Administration Guide**.

Using Maps

Symphony allows you to upload an image (jpg, gif or bmp file) to be used as a map (visual representation) of your camera configuration. You place cameras, Camera Views, and/or digital input and output devices on the maps. These devices/views are represented by icons.

You can click on a camera icon or click and drag a camera icon from the maps to panels in your main console or Video Wall to immediately change the image displayed in a panel.

- [“Viewing a Map”](#)
- [“Adding a Map” on page 18](#)
- [“Placing Cameras on Maps” on page 19](#)
- [“Placing Camera Views on Maps” on page 20](#)
- [“\(Optional\) Creating Map Hot Links” on page 21](#)
- [“Deleting a Map, Removing a Camera Icon or a Hot Link” on page 24](#)
- [“Icons on Map” on page 25](#)
- [“Acknowledging Rules on Maps” on page 27](#)
- [“Adding Digital Input and Output to Maps” on page 27](#)
- [“Activating an Output Device Using the Map Context Menu” on page 29](#)

Viewing a Map

Procedure

To display the map:

- From the **View** menu, select **Map Navigation**. Any maps already in your system are displayed. Use the left and right arrows to scroll through all maps.
- When searching for a map, partial matches are listed based on text entered in the search field.

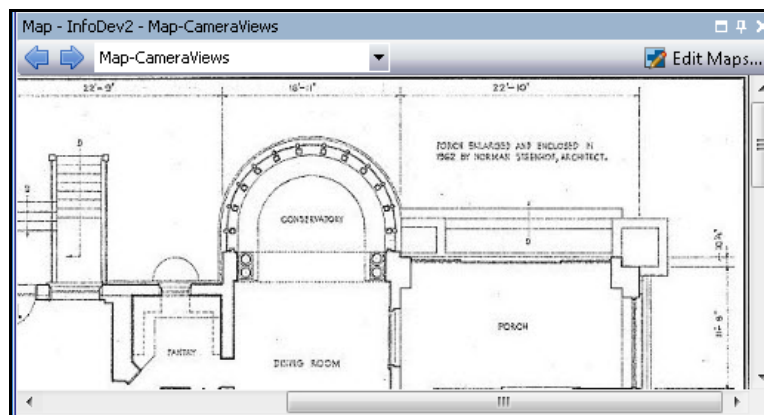


Figure 21. Map Navigation

Adding a Map

Procedure

To add a map:

1. From the **View** menu, select **Map Navigation**.
2. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens. Maps are sorted alphabetically.
3. Click **New Map** and then browse for the image file you want to use for the new map (jpg, gif or bmp) and click **Open**. The map is displayed.
4. The new map is listed with its filename. The **Edit Maps** dialog box focuses on the new map in the list.
5. Click **OK**.

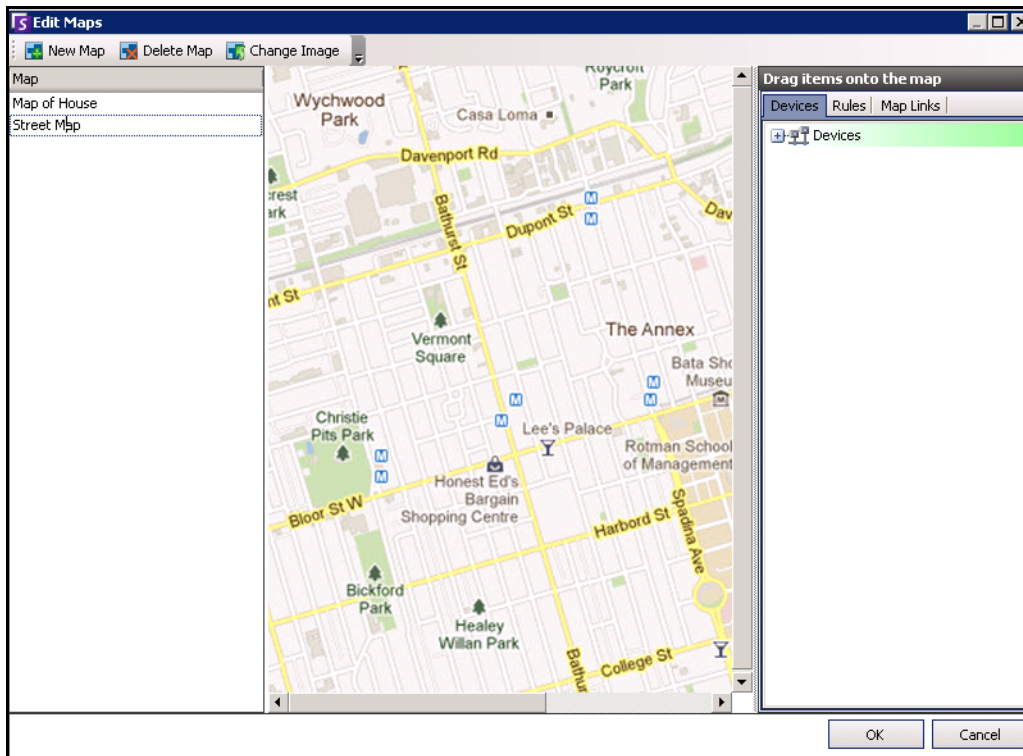


Figure 22. Edit Maps dialog box

Placing Cameras on Maps

Procedure

To place cameras on the Map:

1. From the **View** menu, select **Map Navigation**.
2. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens.
3. From the right pane listing the cameras in the **Devices** tab, drag and drop your cameras to the map with your mouse. (Cameras are not added to the map by default.)
4. (Optional) Rotate the icon so that the arrow represents the angle of the camera lens:
 - a. Right-click on a camera icon on the map and select **Rotate**.
 - b. Move your mouse and the arrow will rotate.
 - c. Left-click your mouse to accept the position.
5. (Optional) To remove a camera icon from the map, right-click on camera icon and select **Remove from Map**.
6. Click **OK** to save settings.

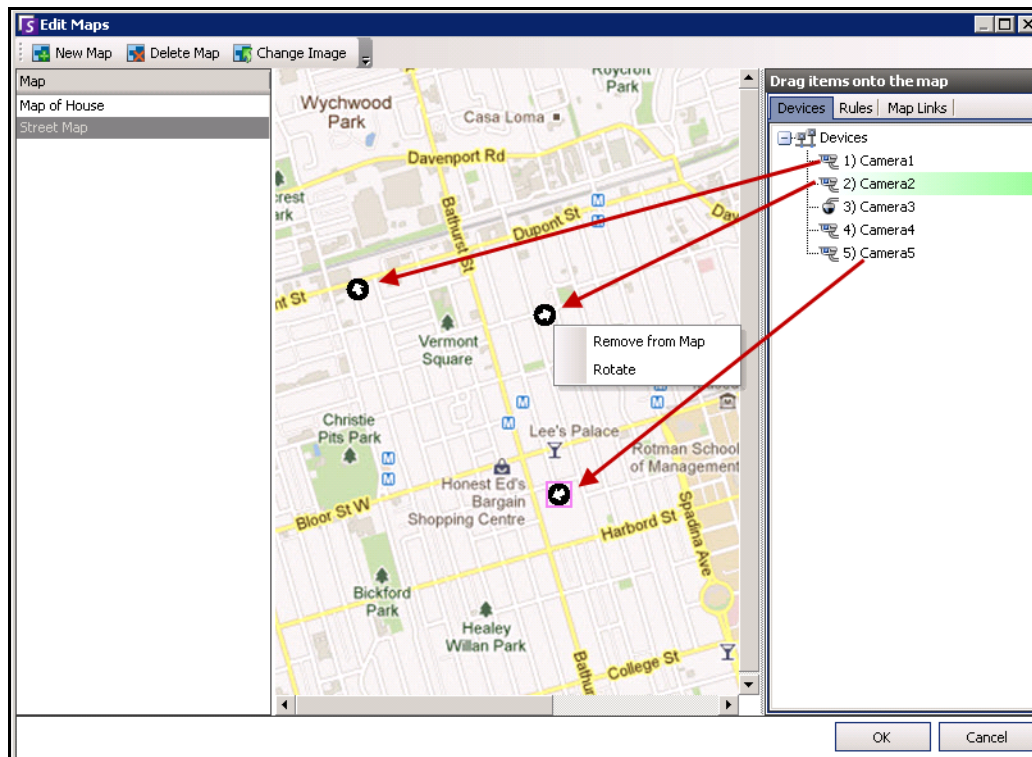


Figure 23. Drag cameras onto map

Placing Camera Views on Maps

Procedure

To place a camera view on a map:

1. From the **View** menu, select **Map Navigation**.
2. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens.
3. From the right pane listing the cameras and camera views in the **Devices** tab, drag and drop a camera view to the map with your mouse.
4. (Optional) To remove a camera icon from the map, right-click on camera view icon and select **Remove from Map**.
5. Click **OK** to save settings.

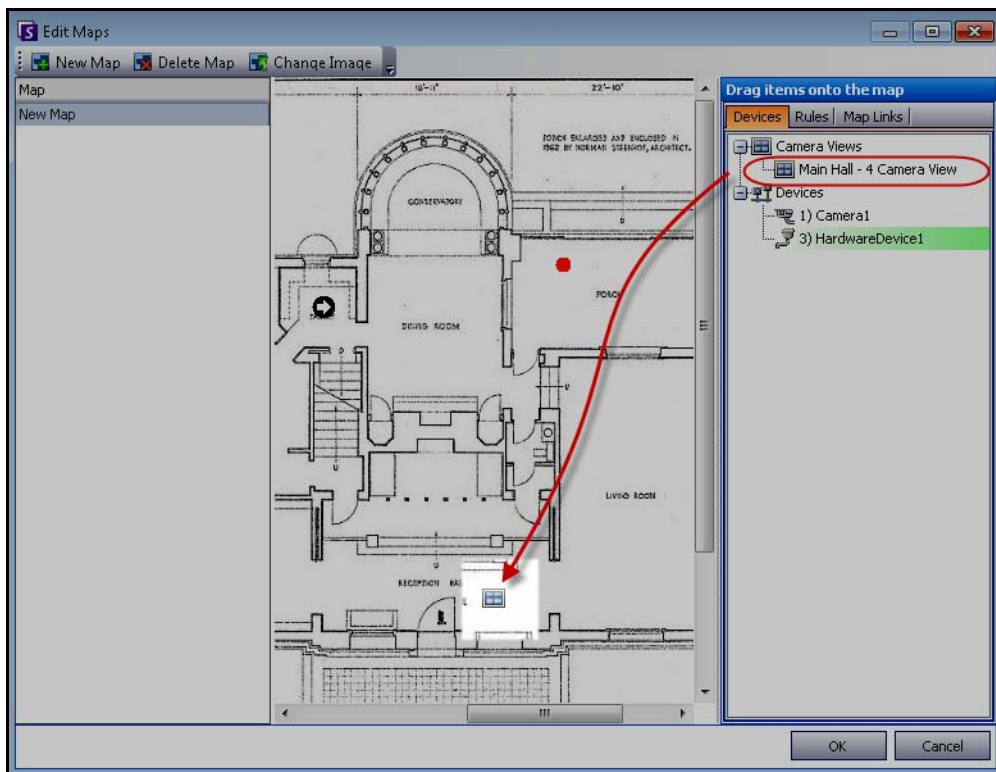


Figure 24. Camera View icon on Map

(Optional) Creating Map Hot Links

In larger sites where you want to have more than one site map, you can layer maps by creating hot links. For example, one main map can contain hot links that open detailed maps of a particular area.

Procedure

To create a map hot link:

1. From the **View** menu, select **Map Navigation**.
2. Scroll through the maps to select the one which will have hot links.

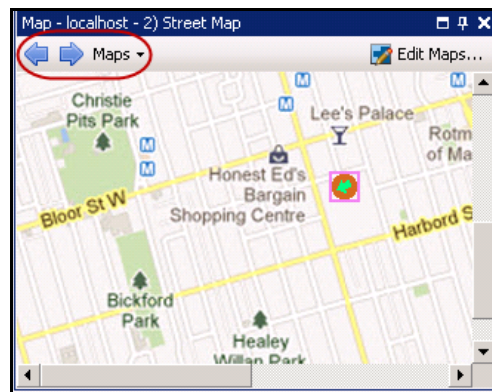


Figure 25. Scroll through maps

3. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens.
4. Ensure that you have at least two maps to link. If not, follow [“To add a map:” on page 18](#).
5. Select a primary map on which you want to add a hot link.
6. Click the **Map Links** tab. A list of all maps is displayed. Select a map that will open when the user clicks on a hot link in the primary map:
 - Select the map name and drag it onto the map. The link appears as a box on the map ([Figure 26 on page 22](#)).

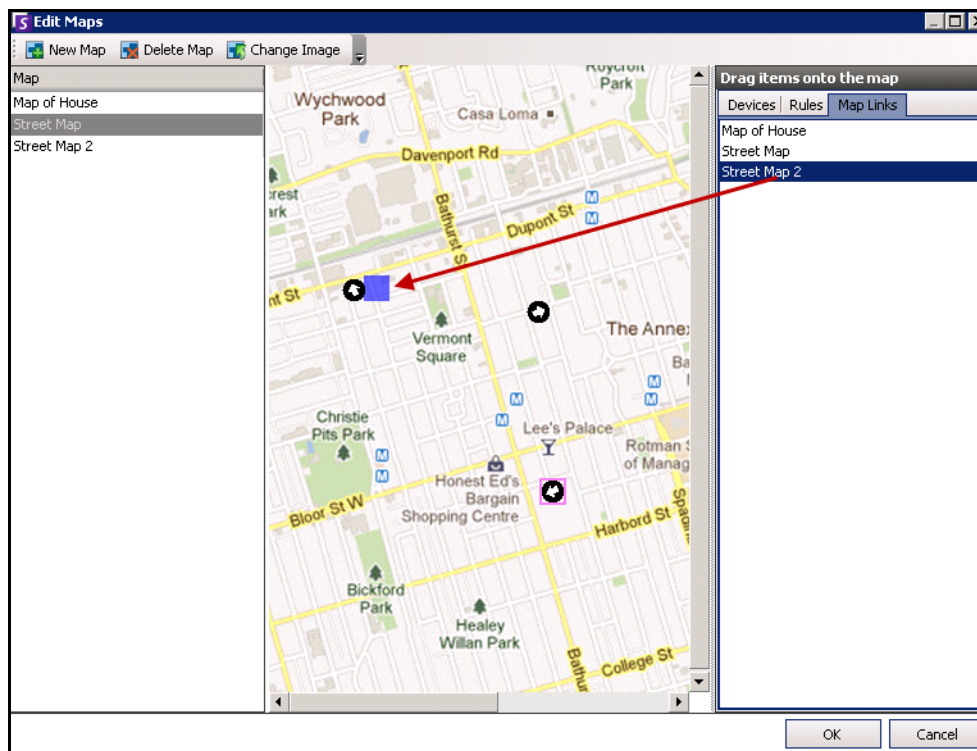


Figure 26. Drag Map Link to primary map

7. Right-click on the hot link box to display the context menu.
 - a. To resize the box to cover a larger area, select **Resize** and then move your mouse.
 - The box size decreases as you move your mouse pointer towards the box.
 - The box size increases as you move your mouse away from the box.
 - Left-click the mouse to accept a size.
 - b. To change the colour of the hot link box, select **Change Color**. The **Color** dialog box opens, displaying a range of colors.

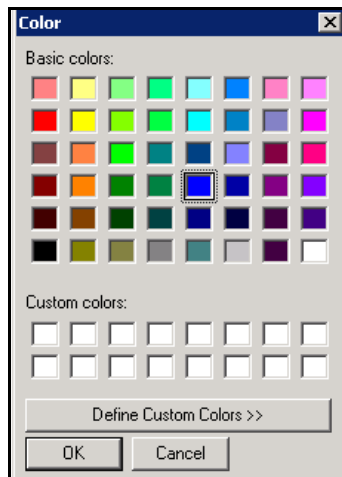


Figure 27. Color dialog box

- c. To change the opacity of the box, select **Change Opacity** and use the sliding scale to make the box more transparent or more opaque (Figure 28 on page 23).

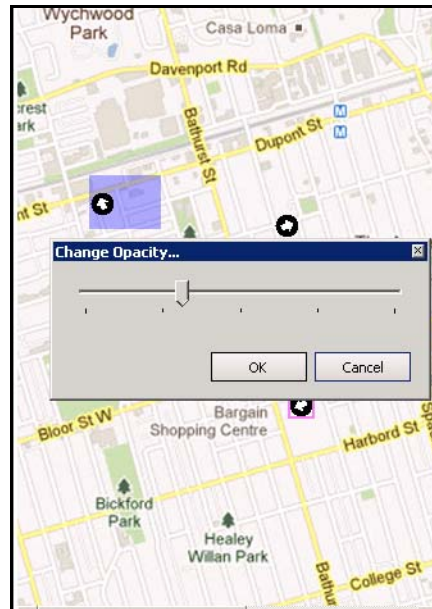


Figure 28. Change Opacity option on hot link

- 8. When the box is the right size, color, and opacity, click **OK**.
- 9. Test the link. Click on the hot box link in the primary map. The associated map should open.

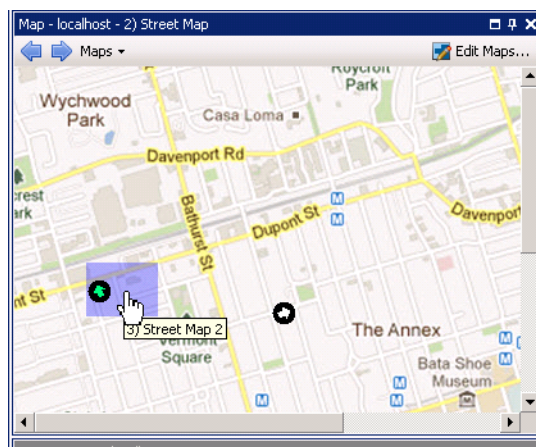


Figure 29. Area of the hot link box on the map

Deleting a Map, Removing a Camera Icon or a Hot Link

Procedure

To delete a map:

1. From the **View** menu, select **Map Navigation**.
2. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens.
3. Under the **Map** column heading, select the map you want to delete.
4. Click the **Delete Map** button.
5. Click **OK**.

Procedure

To remove a camera icon from a map:

1. From the **View** menu, select **Map Navigation**.
2. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens.
3. Under the **Map** column heading, select the map containing the camera icon you want to remove.
4. Right-click on the camera icon. Select **Remove from Map**.
5. Click **OK**.

Procedure

To remove a hot link from a map:

1. From the **View** menu, select **Map Navigation**.
2. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens.
3. Under the **Map** column heading, select the map containing the hot link you want to remove.
4. Right-click on the hot link. Select **Remove from Map**.
5. Click **OK**.

Procedure







To change the map image while retaining device icons:

1. From the **View** menu, select **Map Navigation**.
2. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens.
3. Click **Change Image**. The **Upload Image Map** dialog box opens. Select an image and click **Open**. All device icons are retained. Only the underlying map image has changed.
4. Click **OK**.

Icons on Map

Use the following legend to understand the icons placed on maps.

Table 1. Map Icon Legend

Icon	Icon Description	Represents	Colours Indicate
	Filled in circle	Rule on a camera	You can set colours to indicate various states as necessary
	Triangle pointing up in circle	Digital Input (e.g., person presses a button, which causes an appropriate action in the system)	Green arrow, white background - not activated Green arrow, yellow background - activated
	Triangle pointing down in circle	Digital Output (e.g., motion sensor detects motion and closes a gate)	Green arrow, white background - not activated Green arrow, yellow background - activated
	Circle containing an arrow	Camera	Green arrow - recording Orange arrow - activity Red arrow - alarm Orange circle - camera currently selected
	Box around a circle containing an arrow	PTZ Camera	Green arrow - recording Orange arrow - activity Red arrow - alarm Orange circle - camera currently selected
	Door	Access control device (e.g., key card or key fob)	Green - access granted Red - access denied

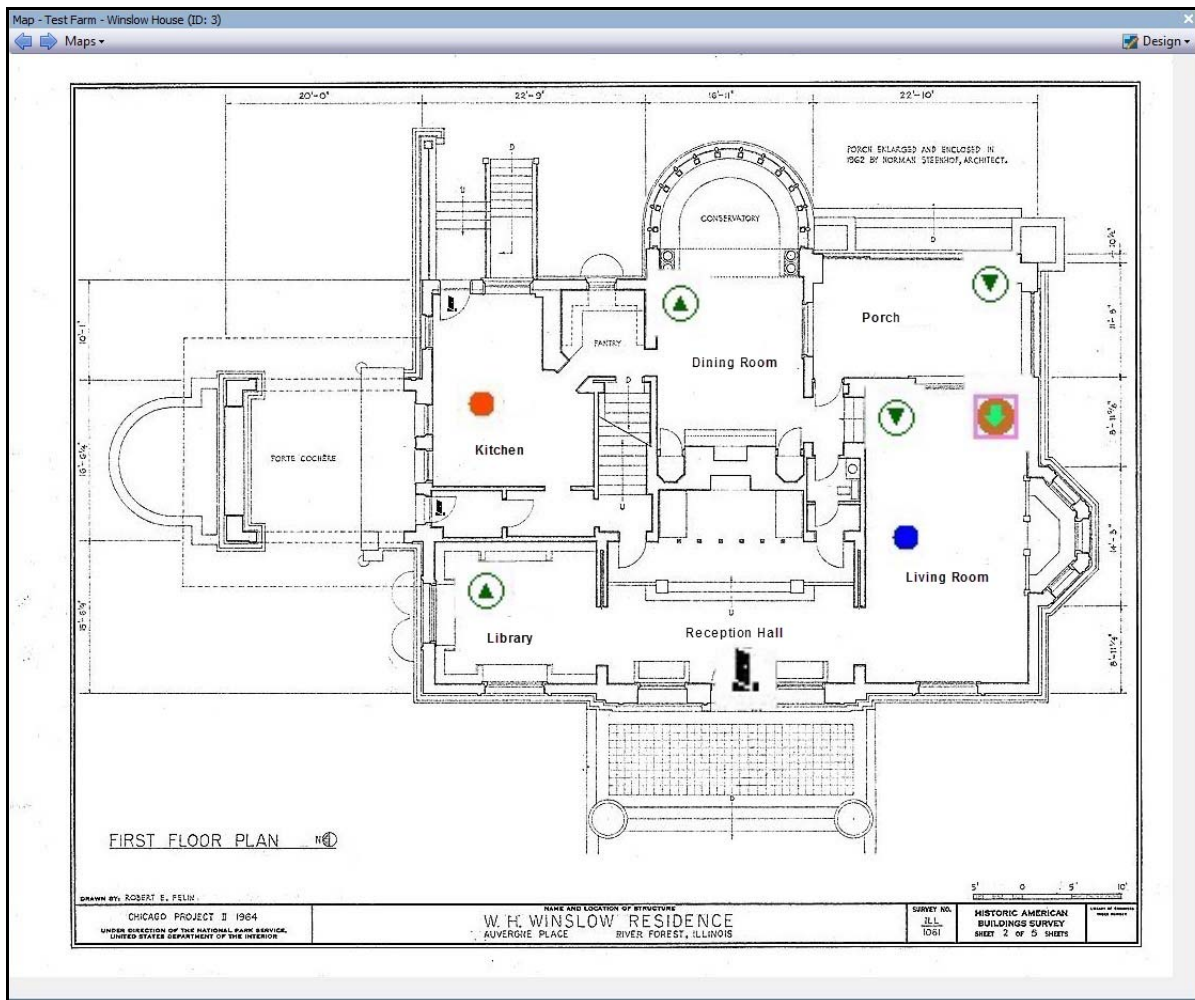


Figure 30. Example of a typical map with camera, PTZ camera, digital I/O, and control access device icons, and rules

Placing Rules on Maps

Procedure

To place rules on a map:

1. From the **View** menu, select **Map Navigation**.
2. Scroll through the maps to select the one which will have rules.
3. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens.
4. Click the **Rules** tab. From the right pane listing the rules, drag and drop your rules to the map with your mouse.
5. Click **OK** to save settings.

Acknowledging Rules on Maps

Procedure





To acknowledge an alarm (rule on map):

1. From the **View** menu, select **Alarm Log** OR click the **Alarm Log** icon on the Menu Toolbar.
2. Right-click on the alarm you want to acknowledge.
3. Select an action to perform:
 - **Mark as Alarm** - To mark as a real alarm.
 - **Mark as False Alarm** - To mark as a false alarm.
 - **Mark as Real Actionable** - To mark as a real alarm that requires action, for example, security staff should investigate the alarm.

Adding Digital Input and Output to Maps

Not on all devices. See list in Knowledge Base article: <http://www.aimetis.com/Support/kbarticle.aspx?ID=10141>

The **Map Configuration** dialog box contains a **Devices** tab, listing all cameras and digital input and output devices. You can customize digital input and output names to help identify them. For instructions, see the Administration and Analytics Guide.

Icon	Icon Description	Represents	Colours ^a Indicate
	Triangle pointing up in circle	Digital Input (e.g., person presses a button, which causes an appropriate action in the system)	Green arrow up, white background = not activated
			Green arrow up, yellow background = activated
	Triangle pointing down in circle	Digital Output (e.g., motion sensor detects motion and closes a gate)	Green arrow down, white background = not activated
			Green arrow down, yellow background = activated

a. If a device is in an Unknown state (map icon is grey), right-click to display the context menu and to activate or deactivate the device.



Important: The **Show Digital I/O** option on the must be enabled in **Device Tree Configuration** dialog box for the digital I/O to be displayed, regardless of which specific inputs/outputs are selected. See [“Customizing the Camera Tree” on page 15.](#)

Procedure

To place digital inputs/outputs on the Map:

1. From the **View** menu, select **Map Navigation**.
2. Scroll through the maps to select the one which will have rules.
3. In the upper right corner of the **Map** dialog box, click **Edit Maps**. The **Edit Maps** dialog box opens.
4. Click the **Devices** tab. From the right pane listing the devices, drag and drop the digital devices to the map with your mouse.
5. Click **OK** to save settings.

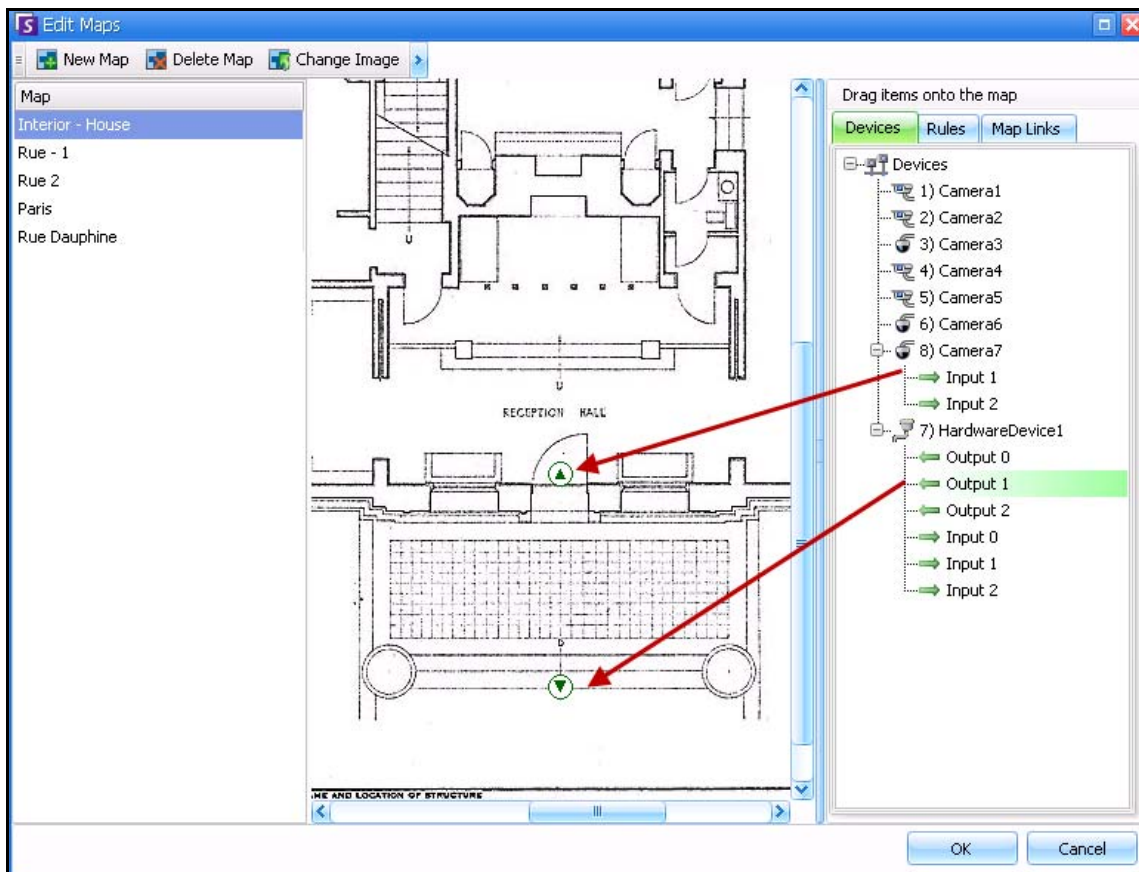


Figure 31. Digital I/O on map displayed with arrow icons

Activating an Output Device Using the Map Context Menu

Procedure

To activate output device using the context menu:

1. Right-click on the device. The context menu opens.
2. Click **Activate**. The icon turns yellow.

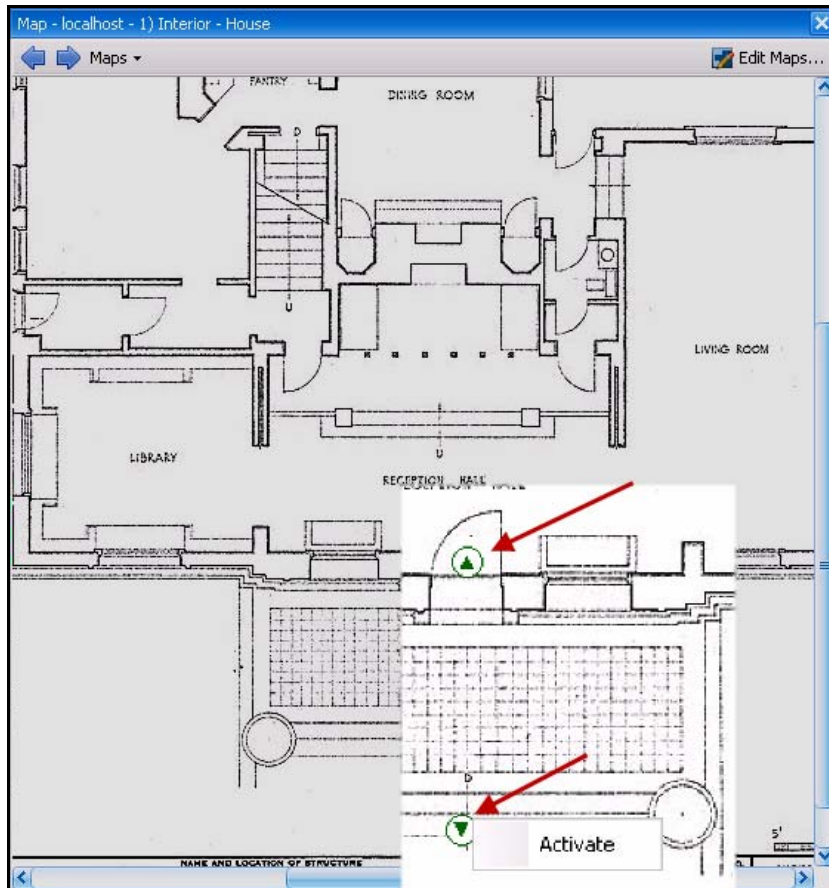


Figure 32. Activating an Output device on a Map
Only Output device has context menu for Activate

Video Panels

Video Panels show live video, recorded video, and allow you to analyze still frames. All Video Panels, including the Main Video Panel, can optionally include a **Timeline** and a Navigation Bar. These options and others are available by right-clicking on the Video Panel to display the context menu.

Live View Mode

By default, cameras show live images in the Main Console.

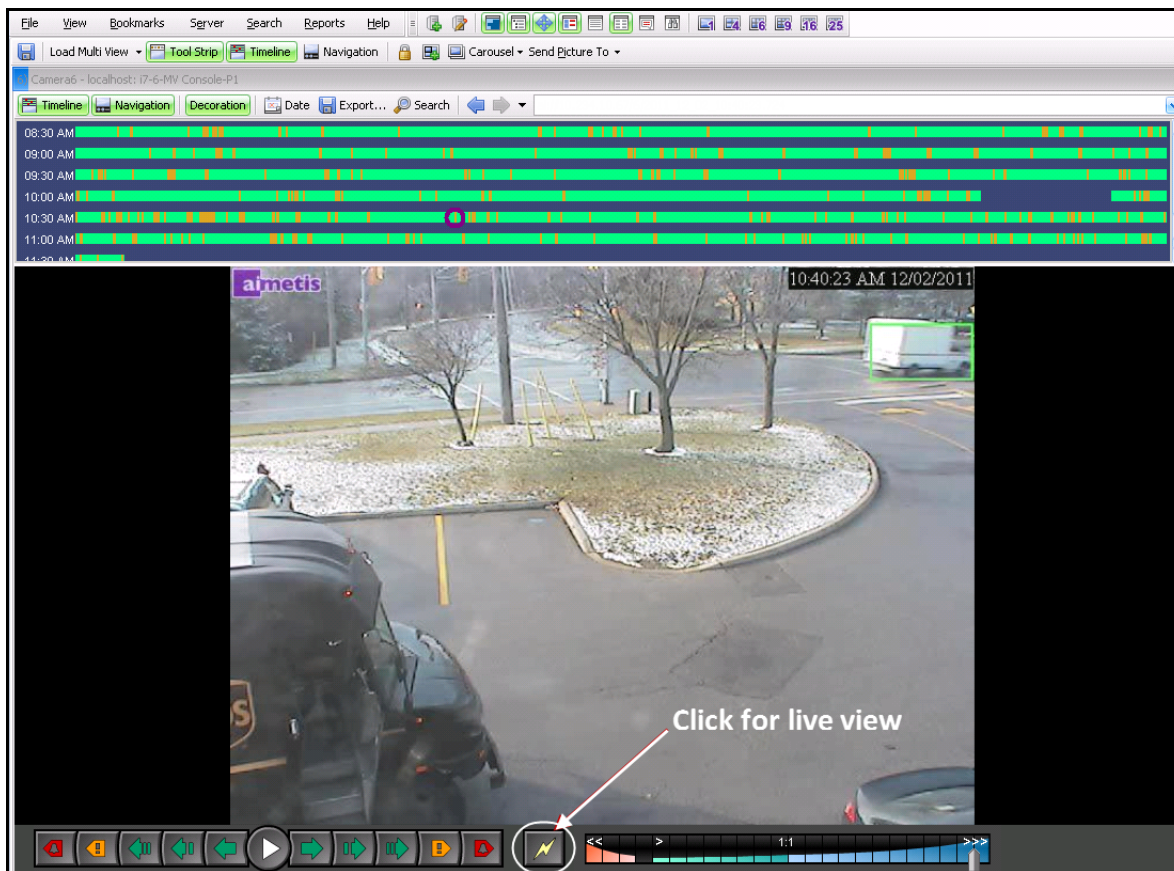


Figure 33. Live Mode

Procedure

To navigate to different cameras:

- Click on a camera in the **Camera Tree** panel or **Map** to switch cameras.

To exit live mode:

- Click on **Timeline** and you automatically enter playback mode.

Video Playback Mode

If **Timeline** or **Alarm Log** is clicked, video playback mode begins.



Figure 34. Playback Mode with context menu options displayed

Procedure

To select options for playback mode:

Right-click on the video panel in playback mode, to view other context menu options:

- **Full Screen** - Opens Main Console in Full Screen mode. Right-click to exit full screen.
- **Play at RealTime Speed**- Set the Speed Slider to real time speed.
- **Unlock PTZ (Return Home)**- Forces PTZ back to home position.
- **PTZ Lock Properties** - **PTZ Lock** dialog box opens. Indicates who has PTZ locked and when that lock expires. Options to **Unlock**, **Lock Indefinitely**, **Lock 5 minutes**, **Lock** for user-defined minutes.
- **Send Picture To** - You can automatically send picture to Printer, Email Recipient as a Link, a File, the Clipboard, or to the Clipboard as a Link
- **Camera Tour** - Allows you to Edit (or Create) a Camera Tour, and Enable or Disable a Tour. If Enable or Disable is selected while playing historical video, the Video Panel will switch to Live mode.
- **Show Tool Strip**, **Show Timeline**, **Show Navigation Bar** - A check mark beside each feature indicates that it is displayed with the video panel.
- **Settings** - Launches the **Camera View Settings** dialog box with several settings for appearance, what to do when activity occurs, digital tracking, and other miscellaneous options. See [“Customizing Video Panel Properties” on page 38.](#)

You can also indicate video export times using the **Timeline** - Right-click on the **Timeline** for a specific panel and select **Mark Export Start** and **Mark Export End** for a video you want to export. Indicators are right and left arrows.

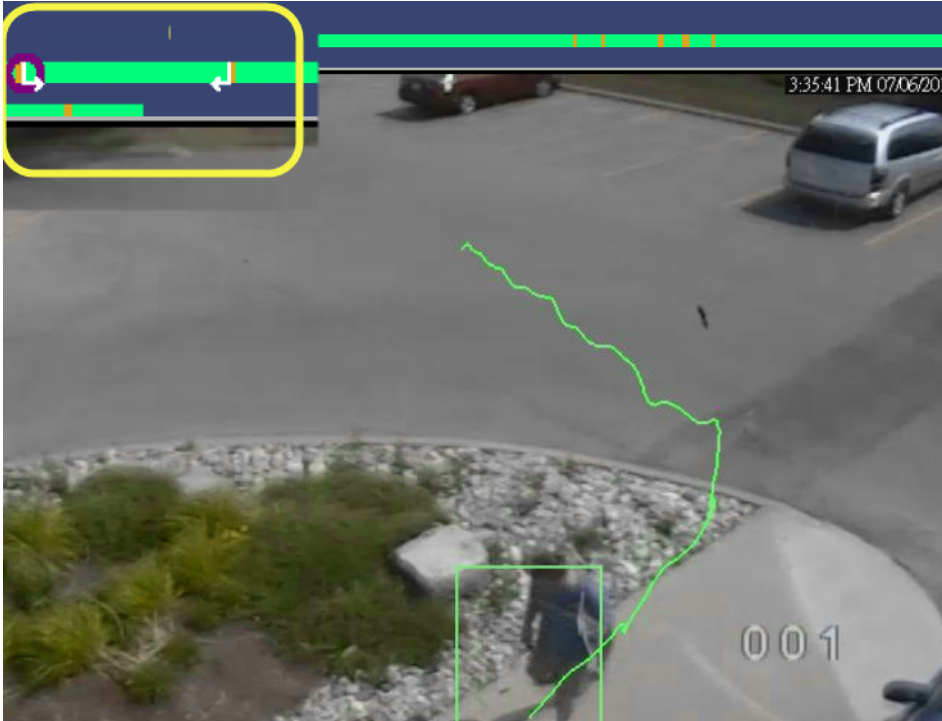


Figure 35. White arrows on timeline indicate start and end time for video export

Navigation Menu Usage (in video playback mode)



Figure 36. Navigation buttons

- Navigates forward and backward by alarm, activity (motion), 10 seconds, 1 second, 1 frame.
- Controls video playback speed as well as reverse playback speed.
- Switches back to Live mode from playback mode.

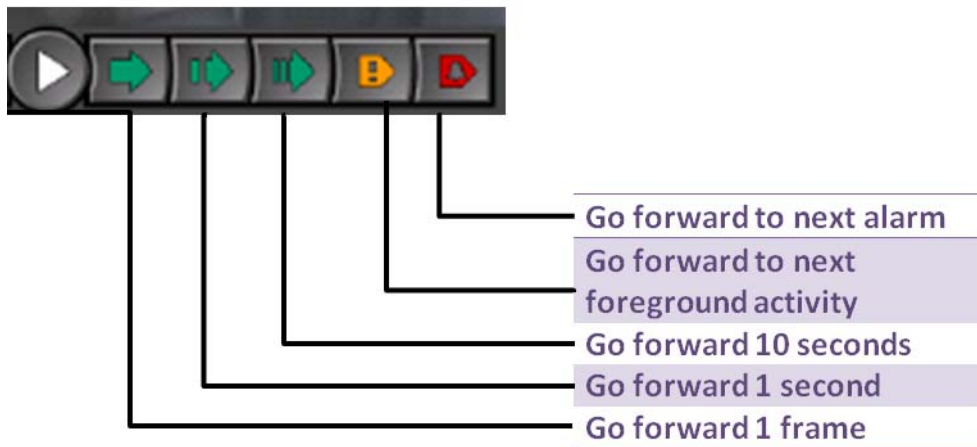
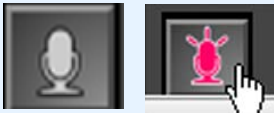
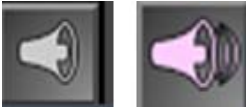


Figure 37. Navigation forward

Audio

Depending on camera make and Symphony **Client Settings (Sound tab)**, audio icons are also part of the navigation bar.

Icon	Description
	<p>To speak on the selected camera, click and hold the microphone icon. The icon becomes red and sound is being recorded.</p>
	<p>Click the mute button to control sound (on/off) coming from the selected camera.</p>

Camera View Layout

Camera View layout allows you to view multiple camera views at the same time. You can configure Symphony to display 1 to 25 cameras at once. You can have more than one multi view dialog box open.

Since Camera View layout is made up of individual Video Panels, it is possible to configure them individually for appearance, the activities to perform upon alarm events, whether or not to have Timelines, Navigation Bars, etc. The behavior of each video panel can be customized ([“Customizing Video Panel Properties” on page 38](#)).

In Symphony version 6.9 and prior, Camera View layout is referred to as Multi View.

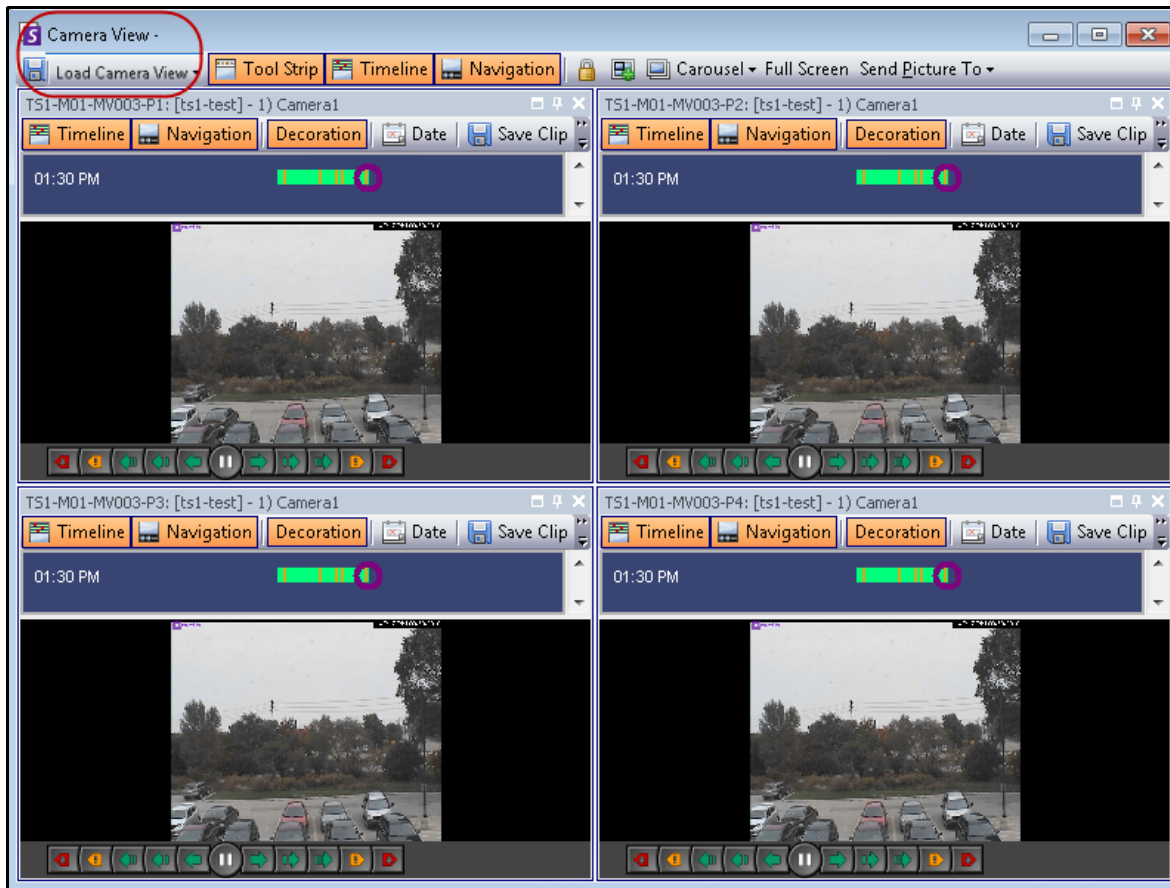


Figure 38. Camera View - 4 panels example

Depending on the default setting in your **Client Settings**, a camera view can open as a floating view or a docked view. For default settings, see [“Symphony Client Settings”](#), specifically the tab with [“Camera View” on page 55](#).

Procedure

To load a Camera View display:

1. In the Menu toolbar, click one of the camera view icons (1, 4, 6, 9, 16, 25). Depending on the default setting in your **Client Settings**, a camera view can open as a floating view or a docked view.
2. (Optional) To switch between a default view (either docked or floating view), press the **Ctrl** button on your keyboard and with your mouse click the desired camera view icon (1, 4, 6, 9, 16, 25).
3. Drag cameras from the **Map** panel or **Camera Tree** panel onto panes in the camera view.



Figure 39. Camera View icons

Procedure

To save your currently configured Camera View for later use:

1. Click the **Save** icon in the Toolbar. The **Save As** dialog opens.

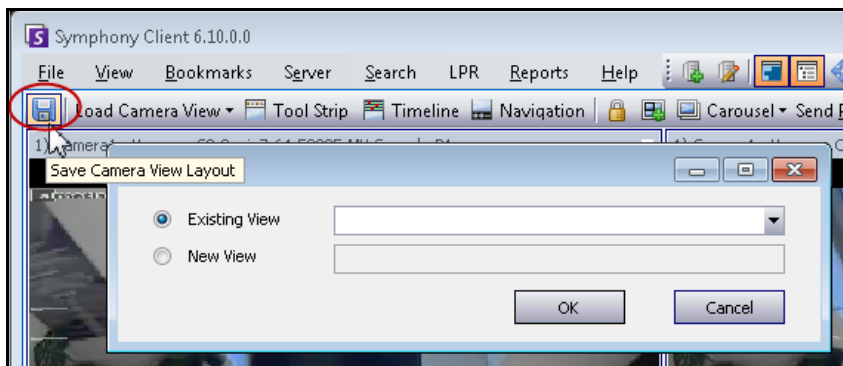


Figure 40. Save As icon for Camera Views

2. Select the **New View** option and enter a name for the view in the adjacent field.
3. Click **OK** to save the camera view.

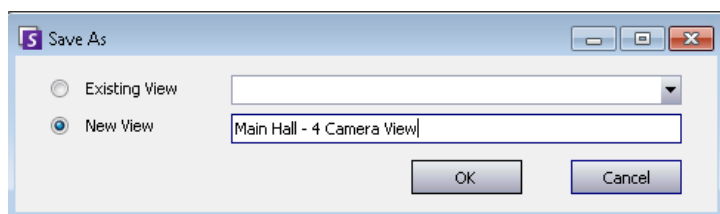


Figure 41. Camera View saved

To load a saved Camera View (multi view):

- From the **View** menu, select **Load Camera View Layout**, and select a named view.
- or
- Click on a named camera view in the **Camera Tree**.

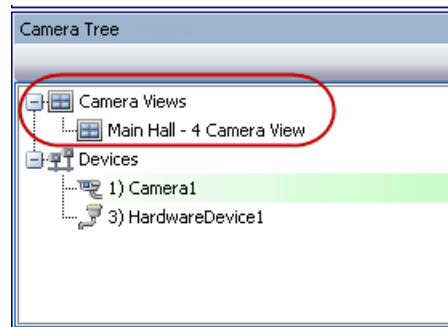


Figure 42. Camera View listed in Camera Tree

Floating Camera View

Floating Camera View windows are typically used where the operator has more than one monitor. A floating camera view can be dragged to the second monitor.

- From the **View** menu, select **Floating Camera View**.

Docked Camera View

- From the **View** menu, select **Docked Camera View**.

Display Four Historical Video Streams Concurrently in Fast Forward Mode

You can play 4 historical synchronized video streams in Fast Forward mode or Reverse mode at 16 times real speed concurrently using the **Lock times on navigation** feature.

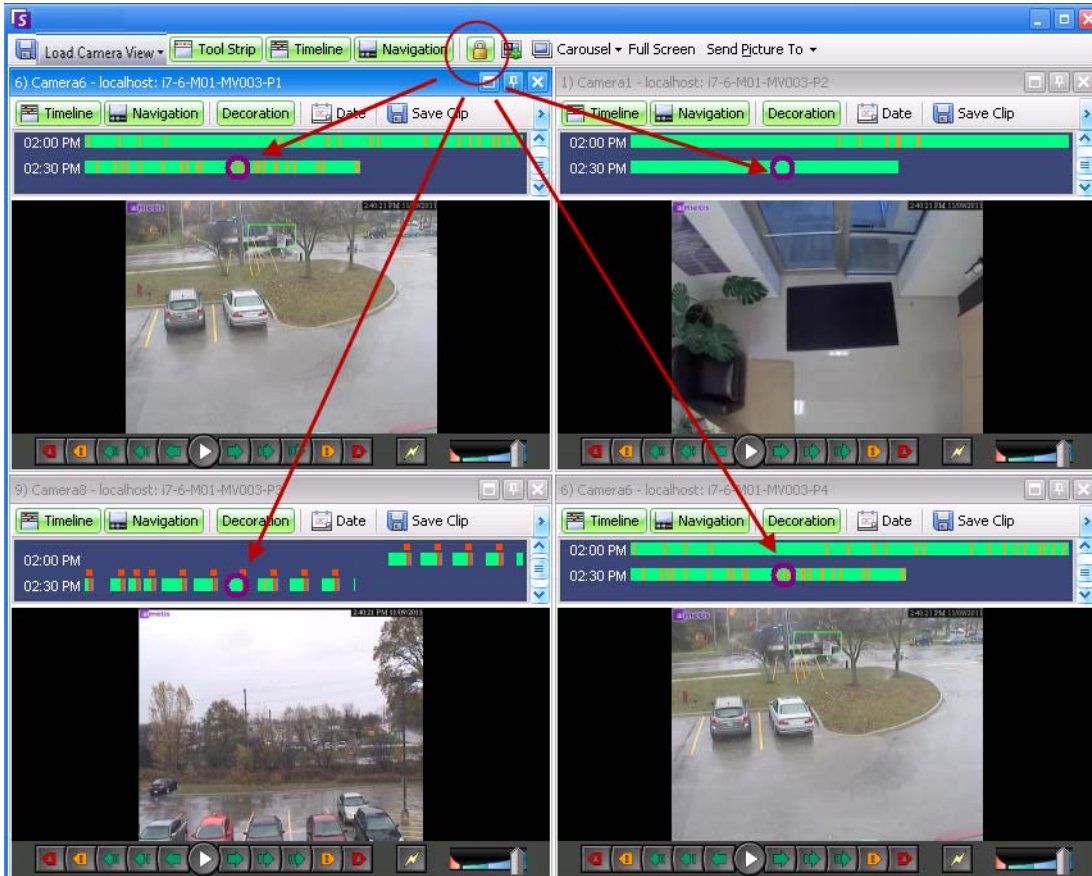


Figure 43. Four panels - Lock on time navigation enabled

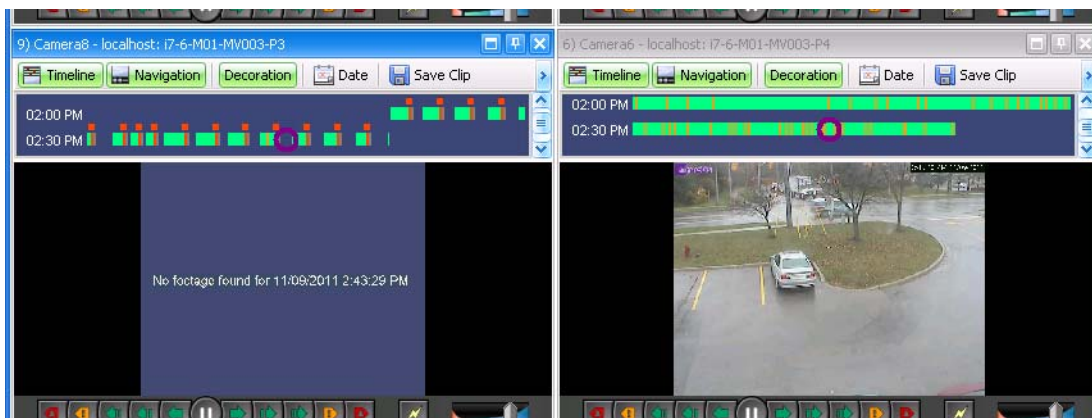


Figure 44. All 4 videos in Fast Forward mode
“No footage found message” displayed in panel of camera with no recorded video for a particular time

If some cameras do not have video for the start time the user has specified, one or more panels may display video for 1 second from a future time while the panels synchronize.

Customizing Video Panel Properties

Each video panel can be configured with advanced options. A video panel can be in the **Camera View** (see “[Camera View Layout](#)” on page 34) or the Main Console.

Procedure

To customize camera view settings:

1. Right-click on the image in the video panel and select **Settings**.
2. The **Camera View Settings** dialog box opens with several settings for:
 - appearance (such as title, video information overlay)
 - views that can be displayed when an activity occurs
 - digital tracking (zooming in on an activity)
 - global settings (that is, applying changes to all video panels)

Appearance Tab

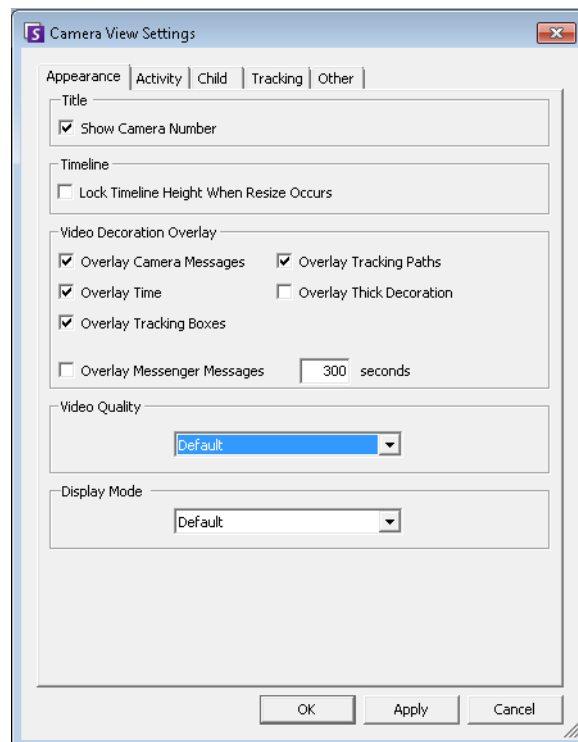


Figure 45. Camera View Settings dialog box with Appearance tab active

- **Title** - Displays camera number.
- **Timeline** - Enables whether Timeline height should be resized automatically.
- **Video Decorations Overlay** - Enables video annotations.
- **Video Quality**- You can set a smaller stream on the client to reduce bandwidth. Multi-streaming in Symphony for analytics and Camera Views reduces server and client CPU and CPU transcoding. If camera accommodates multiple video streams, allows you to select the video quality for this panel

(Default, Lowest resolution, Closest fit to panel size, Closest fit not smaller than panel size, Highest resolution). **Stream Selector** on **Appearance** tab in the **Camera View Settings** has been redesigned and renamed **Video Quality** in Symphony 6.10.1.

- **Display Mode** - specifies how Symphony Client displays video for the camera in the panel (Default, Actual size, Maintain Aspect Ratio, Fit to Window). If video is not displaying properly, try changing the **Display Mode**. Some video cards do not support all video display modes. RGB display modes require more CPU power than the default display mode.

Activity Tab

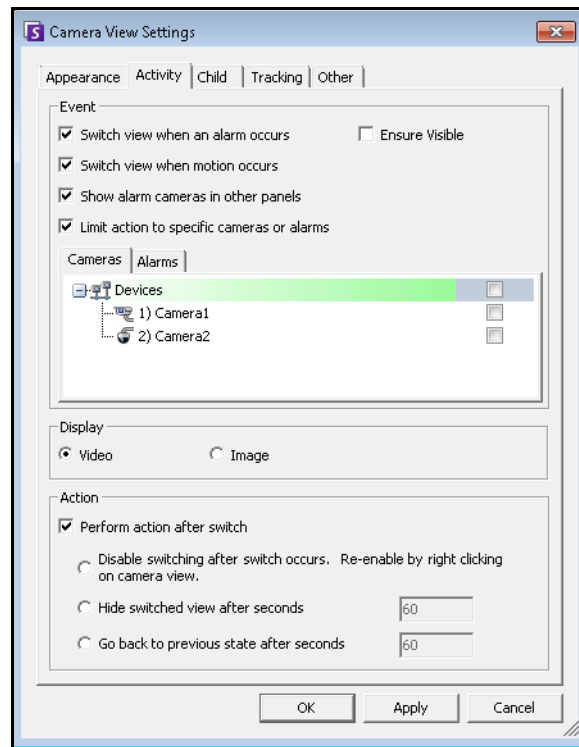


Figure 46. Camera View Settings dialog box with Activity tab active

- [“Event”](#)
- [“Display” on page 40](#)
- [“Action” on page 40](#)
- [“Example 1 ” on page 41](#)

Event

You can force a Video Panel to automatically switch to a specific view when an event occurs.

- The switching event can be an alarm (defined in Rules), or it can be motion (detected by motion analytics engines such as VE150, VE160, VE250). An alarm can be from an I/O device that is associated with a camera.

- **Limit action to specific cameras** - If you are connected to many farms/servers/cameras you may want a view to automatically switch only to a subset of all cameras. You select the cameras that should be in this set. This is useful if you have 4 Multi Views open and you are monitoring 1000 cameras where there is rarely activity. The 4 Video Panels within a Multi View window can be configured to always show video from the last 4 cameras that had activity.

Display

Choose whether you want to automatically switch to the live video or to the still image.

Action

An action can be performed after the switched view:

- **Disable switching after switch occurs** - As an example scenario, imagine a Video Panel switches and the operator watches the camera, then another alarm occurs on a different camera that causes a second switch to a new view. The operator may be frustrated that the view has automatically changed. In such a case, it might be useful to **Disable switching after one switch occurs**. However, if the operator needs to re-enable switching, the operator must right-click on the live view and select the **Enable Automatic Switching** menu option.
- **Hide switched view after seconds** - If the view should be blank unless an event of interest has occurred, then select this option. When no event has occurred, the panel will be black with the text "Waiting for event." When an event occurs, the video will pop up and a countdown timer will be displayed that shows how many seconds are left until the "Waiting for event" state. The number of seconds to wait before blacking out the live view can be specified in the text box.
- **Go back to previous state after seconds** - As an example scenario, you are watching live (or historical) video for camera 1. The panel switches to show an alarm raised from camera 2. Sixty seconds later, camera 1 goes back to previous state, that is, continues playing live (or historical) video for camera 1.


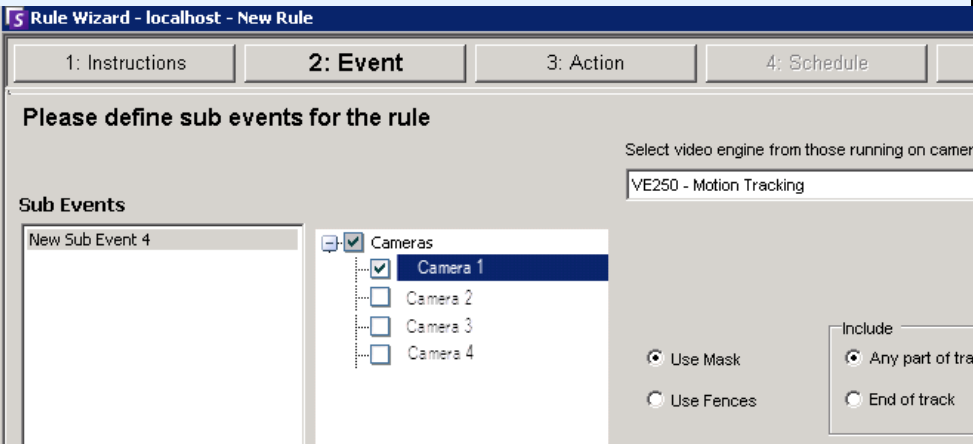
Note:


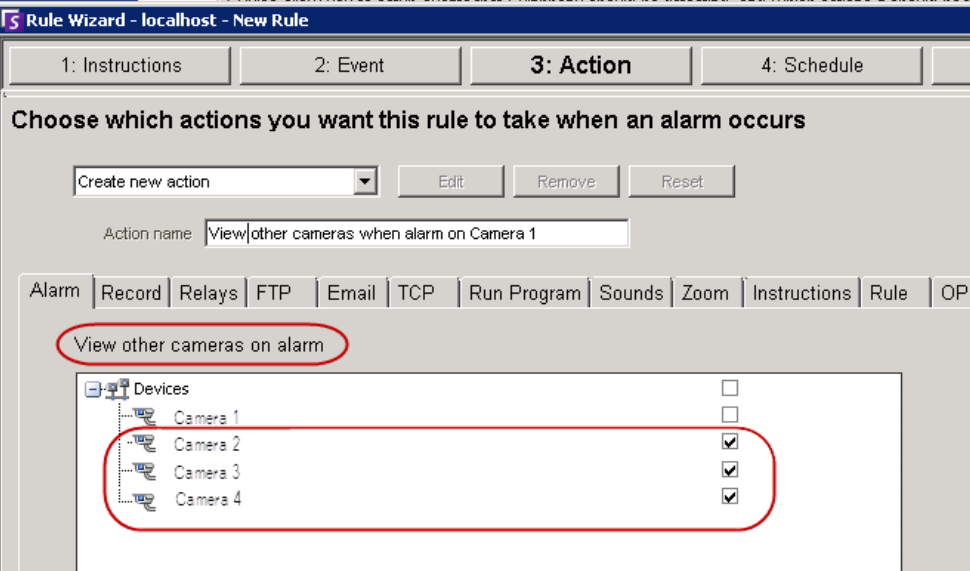


1. Symphony will not automatically switch a Video Panel to a camera that is already being displayed in another camera panel in that Camera View.
 2. After a Video Panel automatically switches it will not automatically switch to another camera for 8 seconds.
 3. If multiple Video Panels within a Camera View switch based on activity, only one will switch - the one that switched furthest in the past. Each Camera View operates independently; therefore, if you have 2 cameras in different Camera Views set to automatically switch based on activity, they may both be showing the same camera.
 4. To disable switching, the user must click on the video image in the panel.
-



Important: To hide the view until next event, *one-time only*, right-click on the Video Panel and select **Hide View Until Next Event**.

Example 1	Alarm Launching Multiple Cameras
	<p>An intruder breaks through door and enters room.</p> <ul style="list-style-type: none"> • Camera 1 focused on door. • Cameras 2, 3, and 4 – all show interior space related to door. • In Symphony Client 2 x 2 multi-view panels with no cameras currently displayed <p>Task:</p> <ul style="list-style-type: none"> • Set up Symphony so that image from Camera 1 appears immediately in a multi-view panel when an alarm is raised and that cameras near the door are also displayed immediately when an alarm is raised on Camera 1. <p>Set up rule in Rule Wizard</p> <ol style="list-style-type: none"> 1. In the Rule Wizard, Camera 1, which is focused on a door, is selected. The appropriate Video Engine and mask are set up as necessary.  <p>Figure 47. Rule Wizard - Event</p> <ol style="list-style-type: none"> 2. Click Next. 3. In the Alarm tab, you select all the cameras from which you want to see an image if an alarm occurs on Camera 1. In this example, you want to see images from Cameras 2, 3, and 4 if an alarm is triggered on Camera 1.

Example 1	Alarm Launching Multiple Cameras (Continued)							
								
	<p data-bbox="406 955 1153 982">Figure 48. Rule Wizard - Alarm tab (View other cameras on alarm)</p> <ol data-bbox="341 1018 974 1134" style="list-style-type: none"> 4. Click Next and set up the Schedule. 5. Click Save to save the Rule name for this scenario. 6. Click OK to close the Server Configuration dialog box. <p data-bbox="292 1176 722 1207">Set up a camera view panel:</p> <ol data-bbox="341 1228 1209 1291" style="list-style-type: none"> 1. In a camera-view panel (for example, 2x2), right-click ONLY on the first panel (Panel 1). <table border="1" data-bbox="625 1302 925 1501"> <tr> <td>Panel 1</td> <td>Panel 2</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td>Panel 3</td> <td>Panel 4</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <ol data-bbox="341 1522 1258 1816" style="list-style-type: none"> 2. From the context menu, select Settings. The Camera View Settings dialog box appears. 3. Click the Activity tab. 4. Select the Switch view when alarm occurs check box. 5. Select the Show alarm cameras in other panels check box. (This option forces all the other panels in the Multi-view to display images from cameras associated with Camera 1. Recall, in the Rule Wizard, Cameras 2, 3, and 4 were selected to be viewed if an alarm was triggered on Camera 1.) 	Panel 1	Panel 2			Panel 3	Panel 4	
Panel 1	Panel 2							
Panel 3	Panel 4							

Example 1 Alarm Launching Multiple Cameras (Continued)

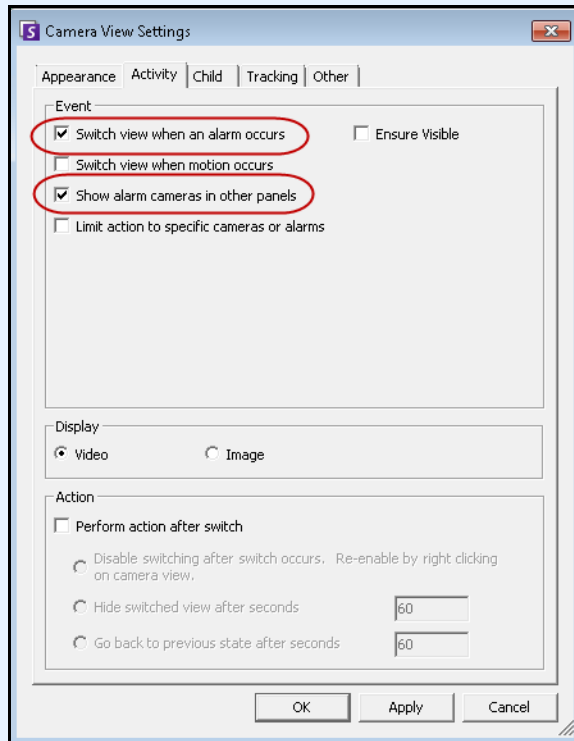


Figure 49. Client View Settings dialog box - Activity tab

When an alarm occurs on Camera 1, Panel 1 will now display the image from Camera 1 AND the other panels will display images from Cameras 2, 3, and 4.

Panel 1	Panel 2
Image from Camera 1	Image from Camera 2
Panel 3	Panel 4
Image from Camera 3	Image from Camera 4

Child Tab

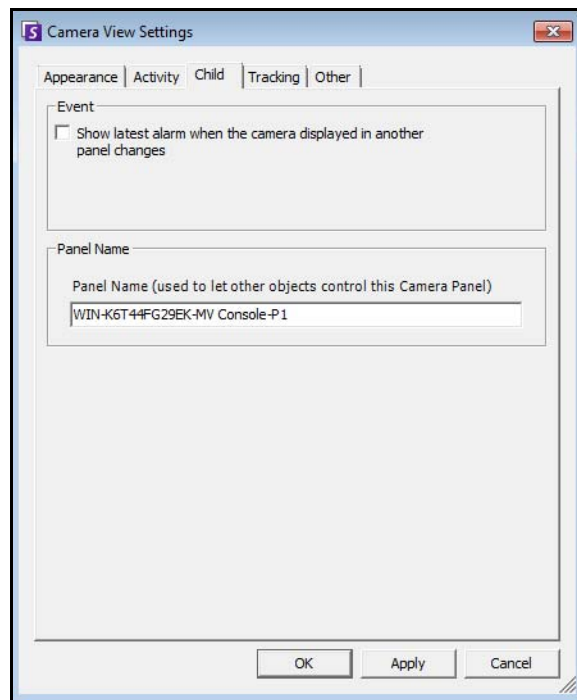


Figure 50. Child tab

You can force a Video Panel to always show the latest alarm image for the camera being displayed in another Video Panel (Primary Video Panel). When you change the camera being shown in the Primary Video Panel (either automatically or manually) the Secondary Video Panel switches to the most recent alarm.

In the **Panel Name** field, you can change the long panel name to a word or phrase you can easily identify.

Procedure

To display a listing of the most recent alarm/motion images:

- From the **View** menu in the main console, select **Recent Alarm/Motion JPEGs**. The **Recent Alarms/Motion JPEGs** dialog box opens.

Tracking Tab

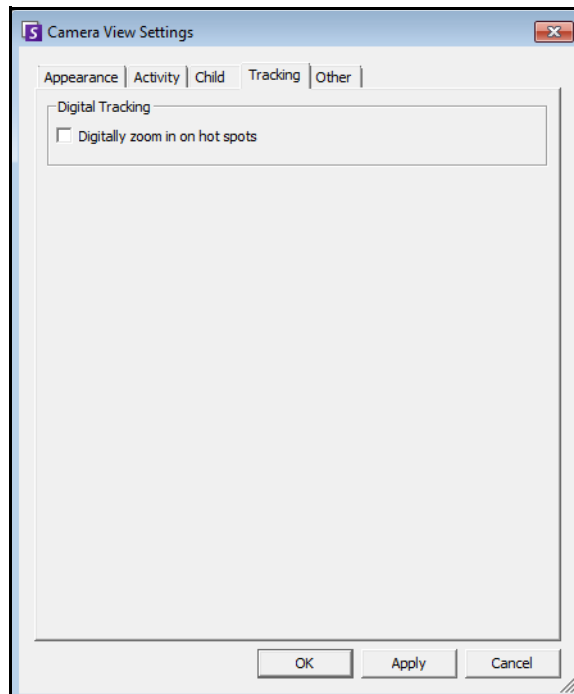


Figure 51. Tracking tab

The digital zoom option in the **Tracking** tab allows you to see a digitally magnified image of a tracked scene.

Procedure

To digitally zoom:

1. Select the **Digitally zoom in on hot spots** check box and click **OK**.
2. Select a point where an object was tracked.

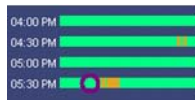


Figure 52. Timeline

3. Click **Play**.

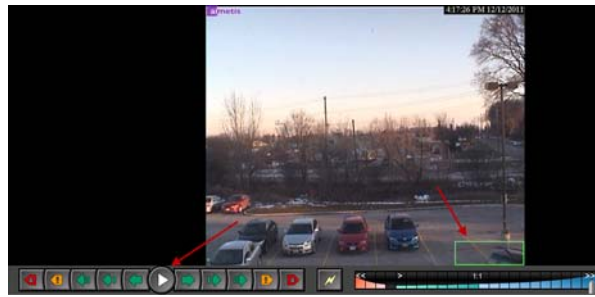


Figure 53. Click Play

Notice how the image has been magnified at the tracked area. In this example, the area in and near the green box.



Figure 54. Image magnified at the tracked area

Other Tab

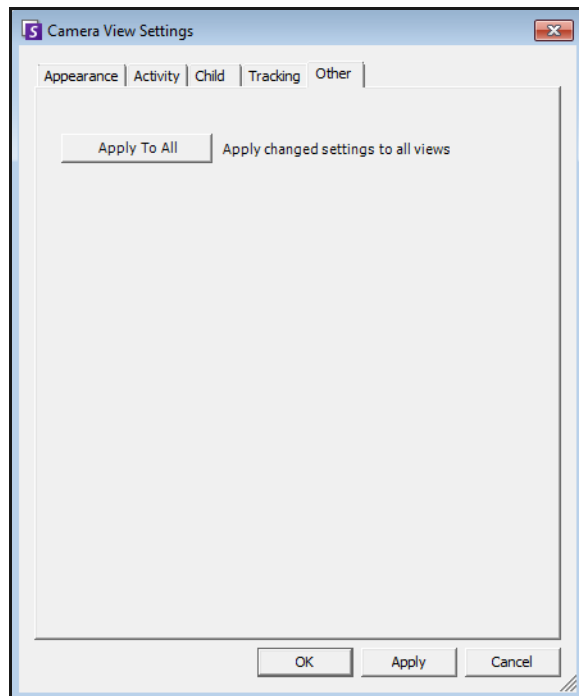
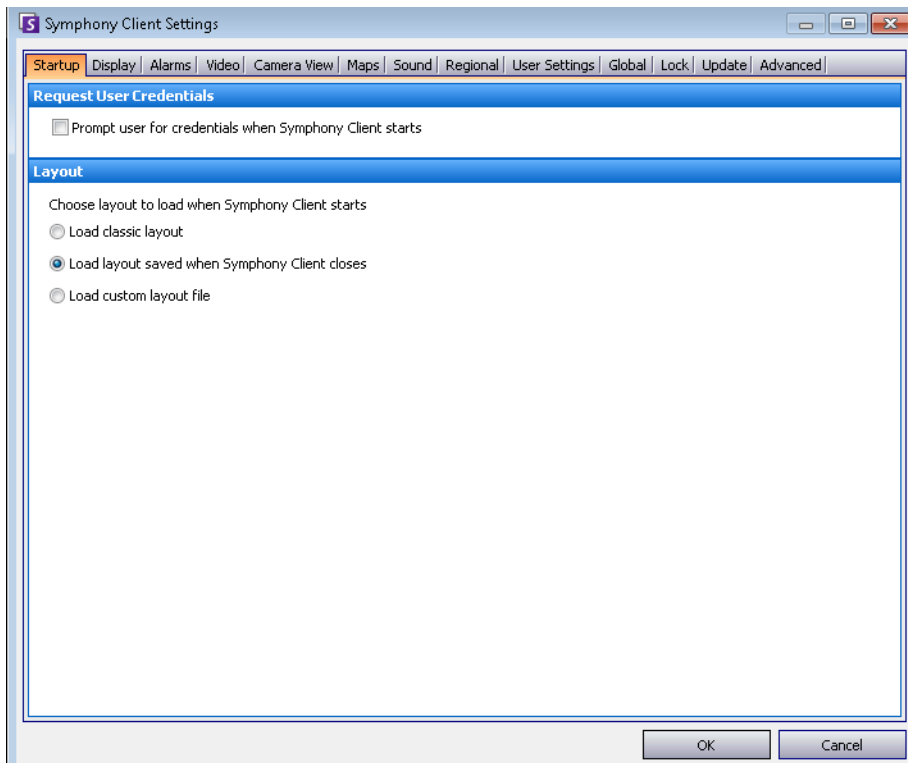


Figure 55. Other tab

- Applies changes selected in other tabs to all video panels.

Symphony Client Settings

You can configure numerous Client side settings for individual users. These settings do not affect the Symphony Server directly, only how the information from the Symphony Server is presented. You can customize how Symphony displays information and behaves.



Procedure

To access the Symphony Client Settings dialog box:

- From the **View** menu, select **Settings**. The **Symphony Client Settings** dialog box opens with the **Startup** tab active.

Startup

The default layout at startup for the current user can be defined.

- You can require a user to enter credentials when Symphony Client starts by enabling the **Prompt user for credentials when Symphony Client starts** check box.
- Classic layout displays the Main Console, **Map** panel, **Camera Tree** panel, **Alarm Log** panel, and the **Application Log** panel.

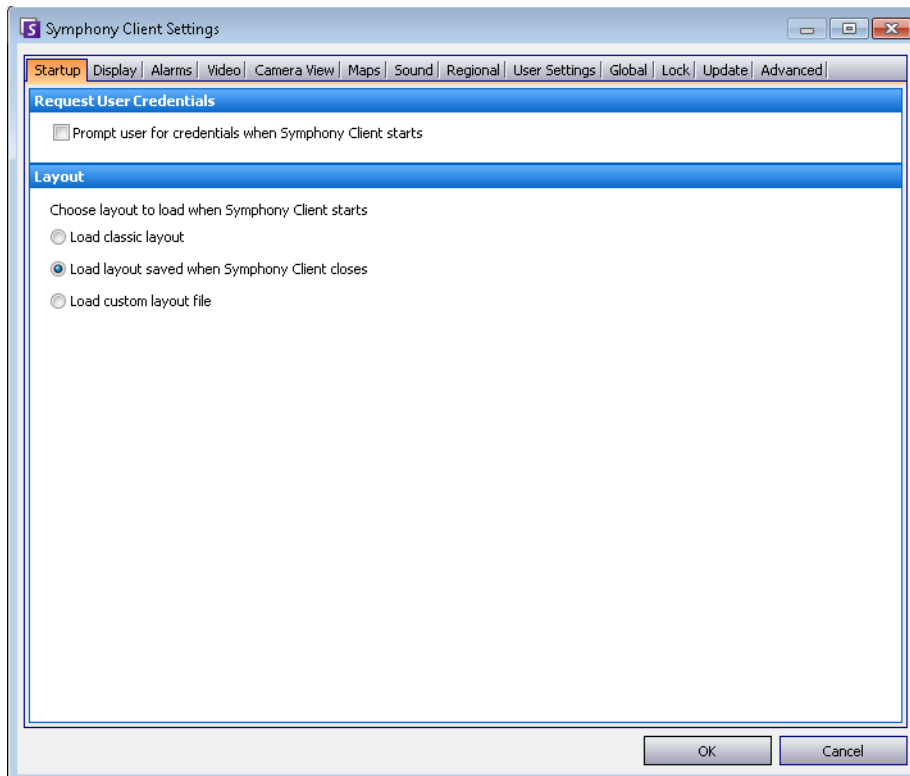


Figure 56. Startup tab for selecting layout

Display

- The **Symphony Client** section allows you to control whether Symphony Client is restored to standard screen size when an alarm occurs.
- The **Application Log** section allows you to configure how messages are displayed in the **Application Log** panel. **Verbose** indicates a large quantity of information will be displayed.
- The **Dialog Preferences** section allows you to reset all the dialog boxes back to their initial set state, so that they will display the help information with the **Do not show this again** option.

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The **Symphony Client Settings** dialog box opens.
2. Click the **Display** tab.

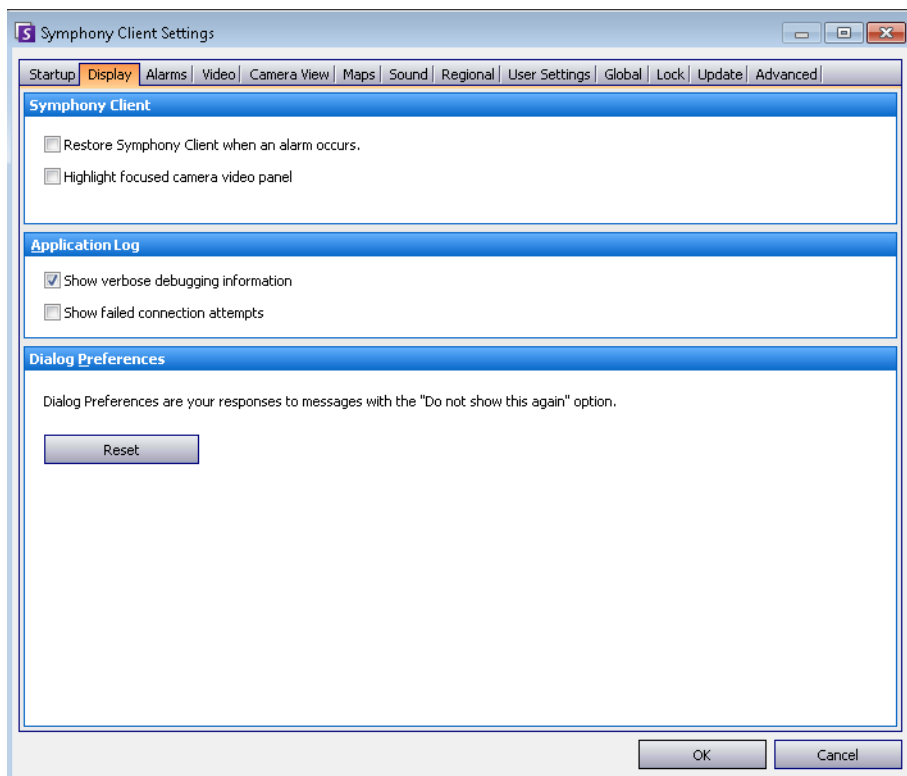


Figure 57. Display tab for setting dialog boxes

Alarms

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The Symphony **Client Settings** dialog box opens.
2. Click the **Alarms** tab.

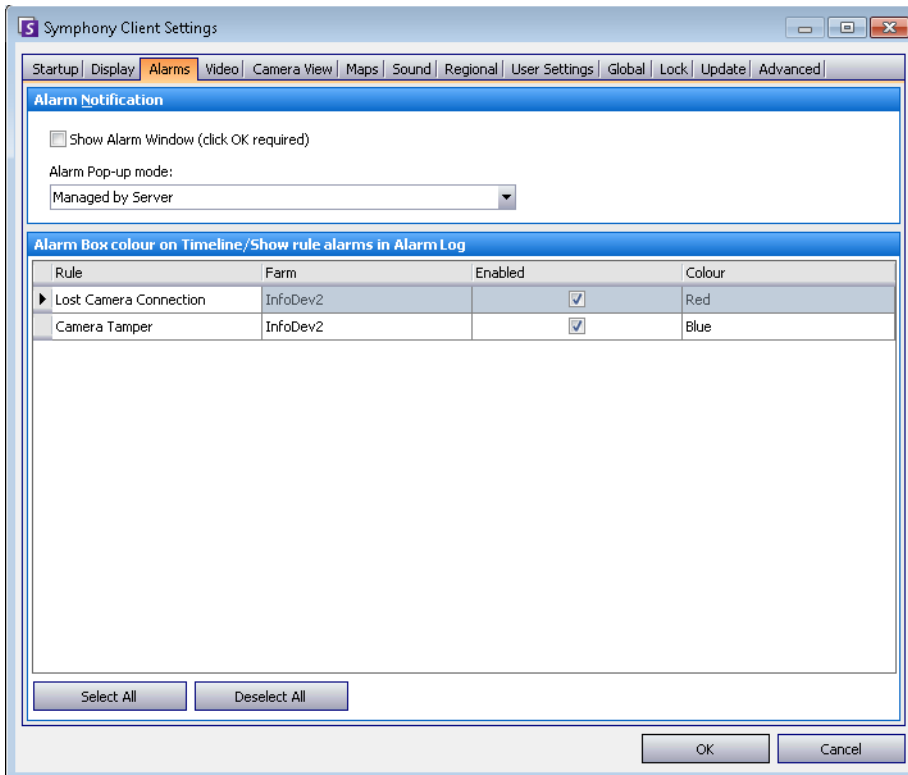


Figure 58. Alarms tab

- The **Alarm Notification** section allows you to specify if a dialog box should pop up after an alarm (Rule broken) occurs, or if an alarm icon should be added to the system tray.

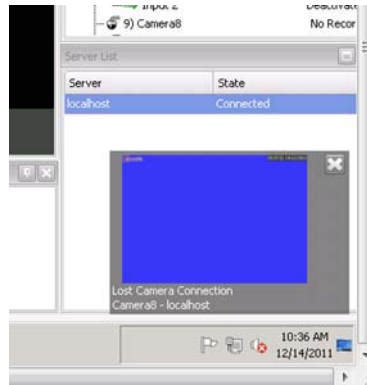


Figure 59. Alarm notification

- The **Alarm Box** section allows you to customize alarm colours displayed in the Timeline, and what alarms to show in the Alarm Log by **Rule**. By default, all alarms will create a Red Dot in the Timeline, and all Rules that are broken will appear in the Alarm Log. By customizing the Timeline, it is easier to locate specific events. You can configure what colour each Rule should represent in the Timeline.

Video

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The **Symphony Client Settings** dialog box opens.
2. Click the **Video** tab

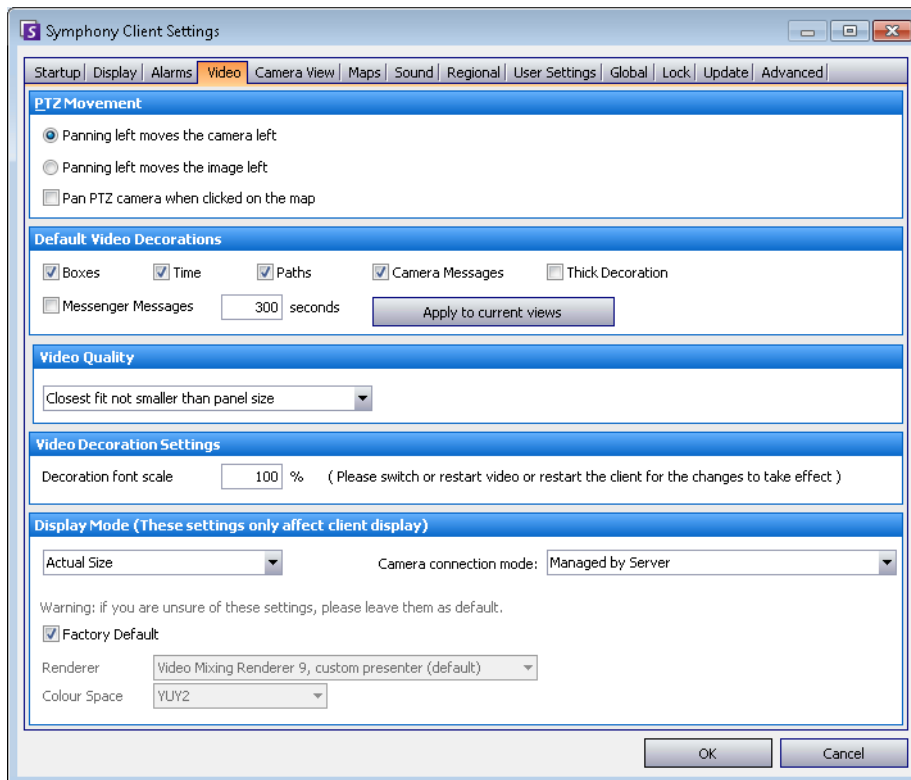


Figure 60. Video tab

- The **PTZ Movement** section allows you to define the PTZ movement behaviour in the live view.
- The **Default Video Decorations** section allows you to define how images are displayed with video annotations such as time information or messages. By default, Symphony overlays boxes and paths on the live video. You can switch whether Symphony should decorate (display the video annotation on) the image. This affects only how live video is displayed and does not change how Symphony records video.
 - Decoration information is always recorded separately and not written directly on the video images.
 - This is a client-side setting that does not affect other users. The same video can be viewed by one Symphony Client user with decorations enabled, and by another without decorations enabled.
 - This setting also effects video play back settings. You can choose to overlay decorations for recorded video you are playing back.

- **Video Quality** – If a camera accommodates multiple video streams, allows you to select the video quality for the entire Symphony Client (Lowest resolution, Closest fit to panel size, Closest fit not smaller than panel size, Highest resolution).
- **Video Decoration Settings** – Allows you to change the font size of decorations based on percentage. By default it is set at a readable 100%. If you need large font, set it to 200%. To see the change in font size, you must switch panels or restart Symphony Client.
- **Display Mode** - Specifies how Symphony Client displays video in a panel (Actual Size, Maintain Aspect Ratio, Fit to Window) and how it renders video.
 - Some video cards do not support all video render modes.
 - RGB render modes require more CPU power than the default render mode.
 - In Symphony versions before 6.8, the default was Video Renderer Default. If your video does not play with the Video Mixing Renderer 9, custom presenter, select Video Renderer Default from the Renderer drop-down list.
- **Direct connect to camera** - Depending on camera, allows direct connection to camera instead of the server when **Support Direct Connect** check box selected in camera configuration. See Aimetis Symphony **Administration Guide**.

Camera View

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The Symphony **Client Settings** dialog box opens.
2. Click the **Camera View** tab.

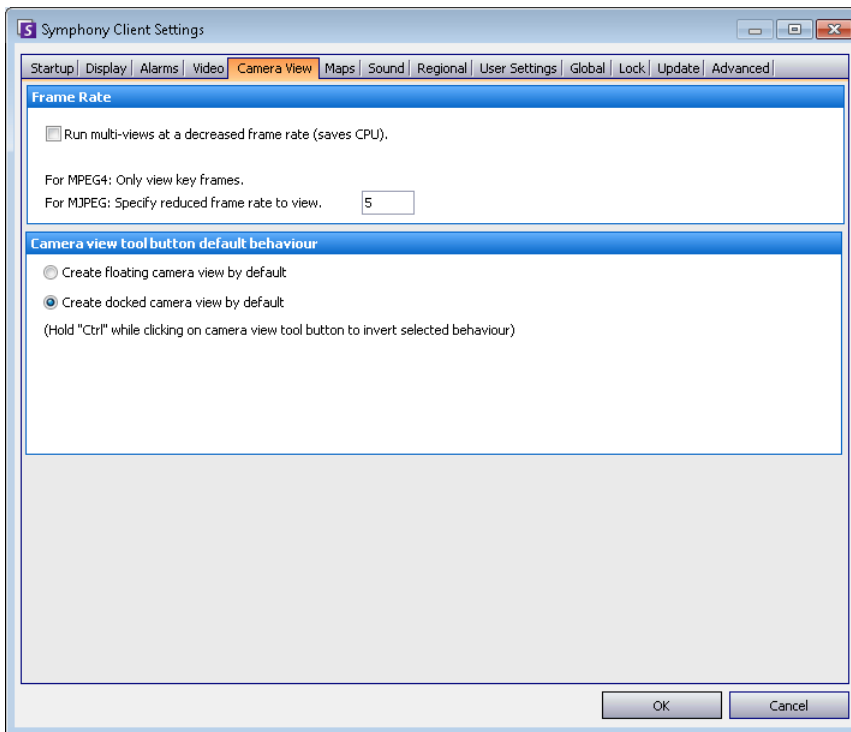


Figure 61. Camera View tab

- Symphony allows you to open a split screen or virtual video matrix window that can show 1 to 25 cameras simultaneously. This requires a lot of CPU resources on the client PC.
- **Frame Rate** section - allows you to configure whether to run **Camera View** windows at a decreased frame rate to reduce CPU load on the client PC.
- **Camera view tool button default behaviour** section - allows you to select the default camera view layout (either floating for docked) when Symphony Client is launched.

In Symphony version 6.9 and prior, the **Camera View** tab is referred to as **Multi View** tab.

Should you run a Camera View (multi view) at a decreased frame rate? What is the benefit?

- If you run it at 1 FPS instead of 5, 15, 30, you benefit from decreased client CPU and GPU load, about 10% of current values (a major savings).

What is the loss?

- Video will not be smooth.

When should you consider it?

- Use this feature if you have a large number of panels in the Camera View (multi-view), for example, 9 or more panels.
- If your CPU & GPU are powerful enough, you probably never have to reduce the frame rate.

Maps

You set up how alarms on **Maps** are displayed. For example, flashing for a given amount of seconds when an alarm occurs, or continuous flashing until alarms are acknowledged.

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The Symphony **Client Settings** dialog box opens.
2. Click the **Maps** tab.

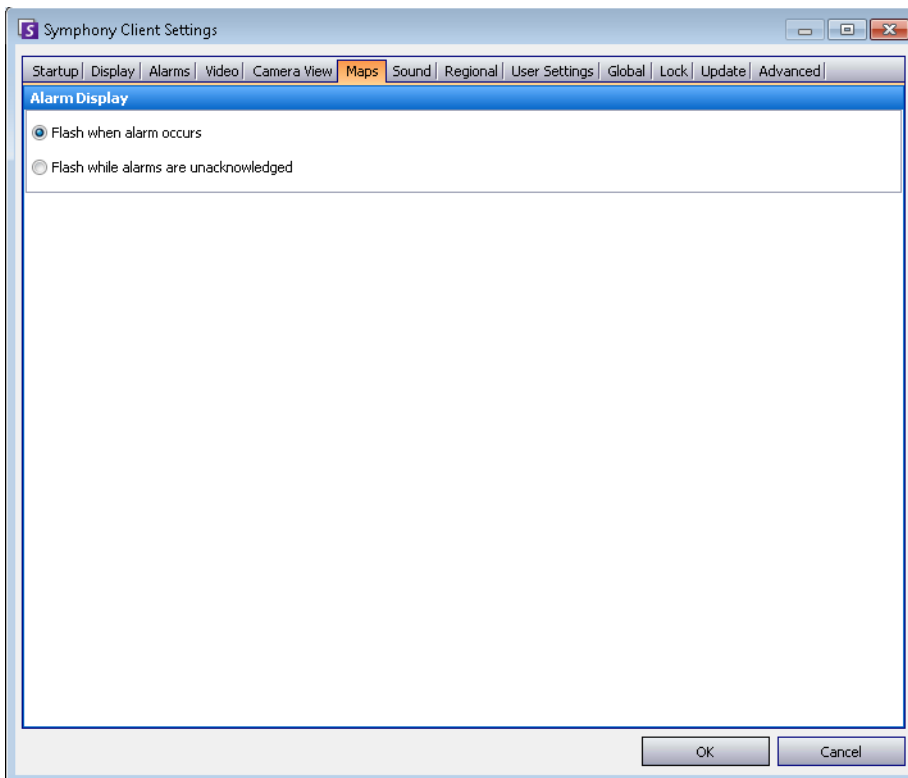


Figure 62. Maps tab

Sound

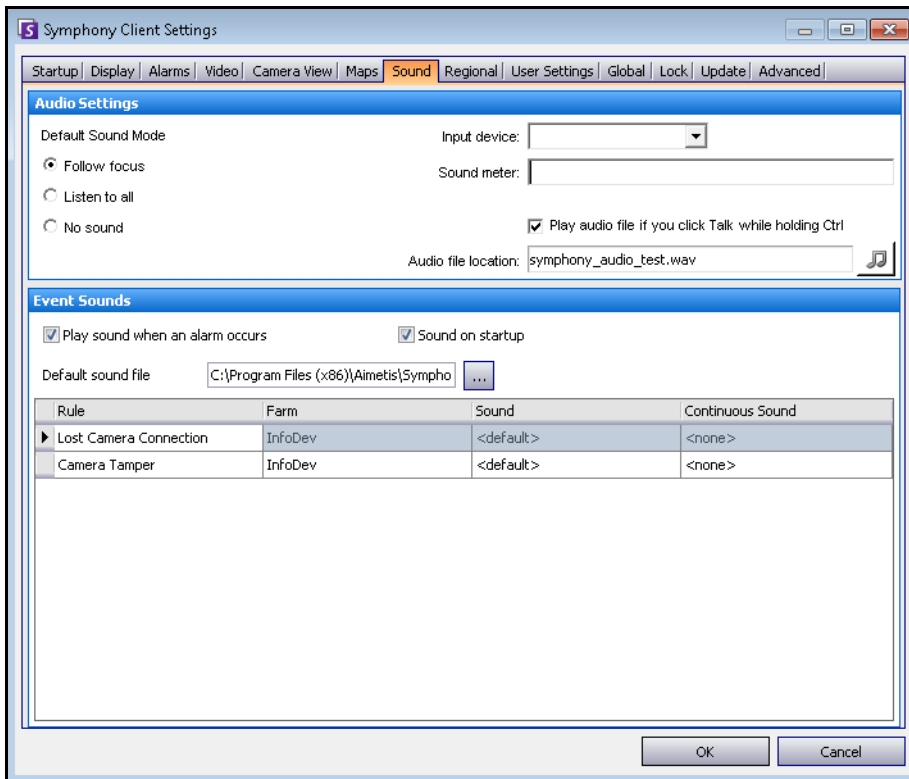


Figure 63. Sound tab

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The Symphony **Client Settings** dialog box opens.
2. Click the **Sound** tab.

You can customize sound configuration within Symphony Client.

- In the **Audio Settings** section, you can specify:
 - **Default Sound Mode** - How Symphony Client plays or mutes audio for live and recorded video.
 - Follow focus - keeps setting when panel changed
 - Listen to all - all panels
 - No sound

Right section handles settings for playing audio on a remote camera:

- **Input Device** - Can be a microphone from which sound will be captured and played on the (remote) camera's speaker.

- **Play audio file if you click Talk while holding Ctrl** check box - To allow users to play a pre-recorded PCM file on the remote camera's speaker for testing or announcement purposes, select the **Play audio file if you click Talk while holding Ctrl** check box. The user must click the **Microphone** icon (**Talk** button) in the **Navigation** bar while pressing the **Ctrl** key on the client station keyboard.



- **Musical Note icon** - Click the musical note icon to open the file location for the audio file you want to use. The audio file must be a PCM Wavefile.
- **Sound meter** - Responds to your voice or audio file ensuring that your client machine is registering sound correctly that will be heard through the remote camera's speakers.
- In the **Event Sounds** section you can specify a default sound to be played for alarms.
 - **Continuous sound** - Each policy (in addition to the existing sound) may have a continuous sound that plays until all alarms based on the given policy have been acknowledged. You must have the **Play sound when an alarm occurs** check box selected for any sound to play. If any existing sounds are being played, clearing the **Play sound when an alarm occurs** check box stops the sound.

Regional

- You can specify the language of Symphony Client. By default, Symphony Client will use your Windows system language. If your Windows is using a language not supported by Symphony Client, it will automatically select English.
- You can also customize how the date and time are displayed in Symphony Client by selecting a format from **Date Format** drop-down box and, if necessary, selecting the **Use 24 Hour Time** display check box.

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The **Symphony Client Settings** dialog box opens.
2. Click the **Regional** tab.

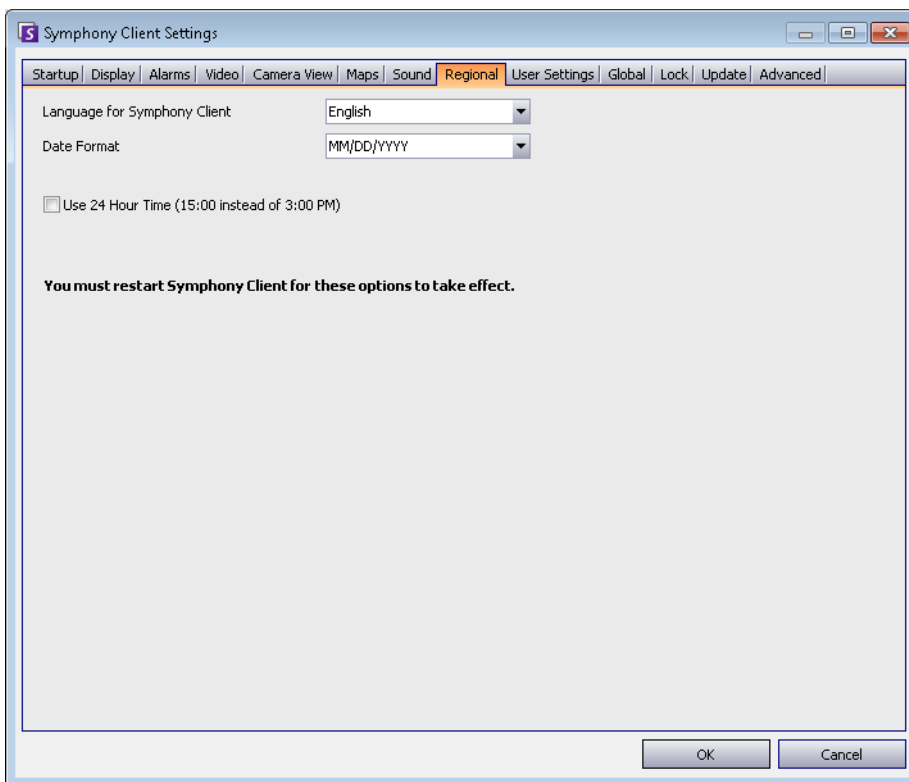


Figure 64. Regional tab

User Settings

You can directly edit the initialization (.ini) file which stores all the user-specific settings of Symphony Client. We do not recommend that you change these advanced settings.

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The Symphony **Client Settings** dialog box opens.
2. Click the **User Settings** tab.

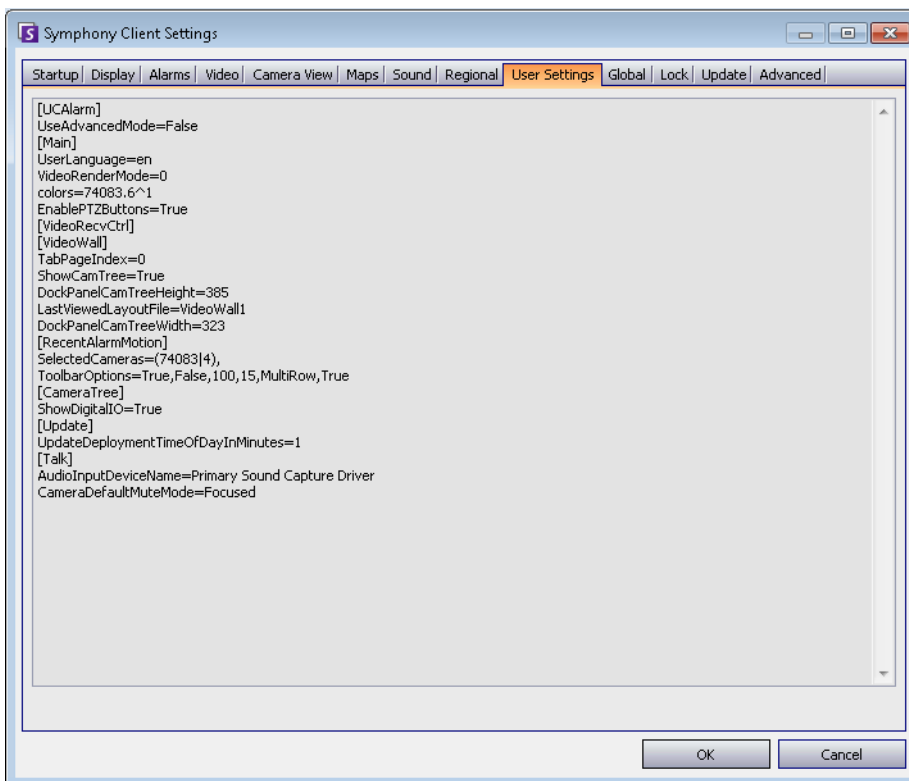


Figure 65. User Settings

Global

Paths define where to store client configuration and farm registration.

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The Symphony **Client Settings** dialog box opens.
2. Click the **Global** tab.

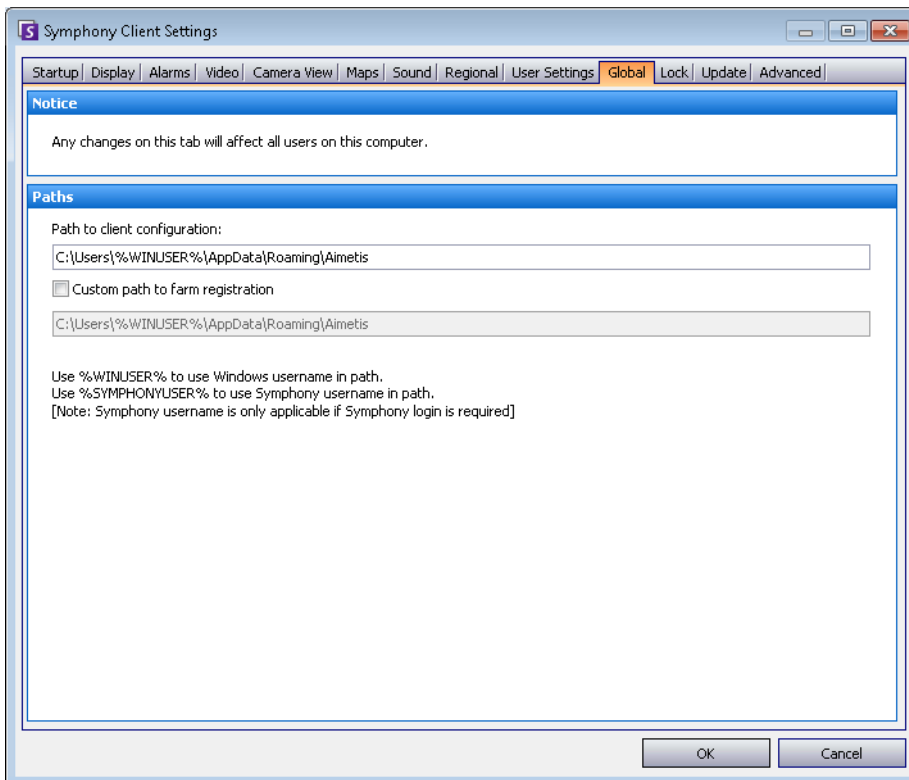


Figure 66. Global tab

Lock

In some cases, you may want to lock the user interface to prevent users from changing the configuration.

- **Panel resizing/moving** - Prohibits user changing size of panels as well as moving and docking the panels.
- **Panel adding/closing** - Prohibits user adding panels to the user interface or closing them in the current layout.
- **Camera selection** - Prohibits user changing camera in the view through the camera tree or through the map.
- **Exit Symphony** - Prohibits user from exiting Symphony.
- **Set Passphrase** button - Creates a password to lock/unlock the interface. The user will be prompted for a password.

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The Symphony **Client Settings** dialog box opens.
2. Click the **Lock** tab.

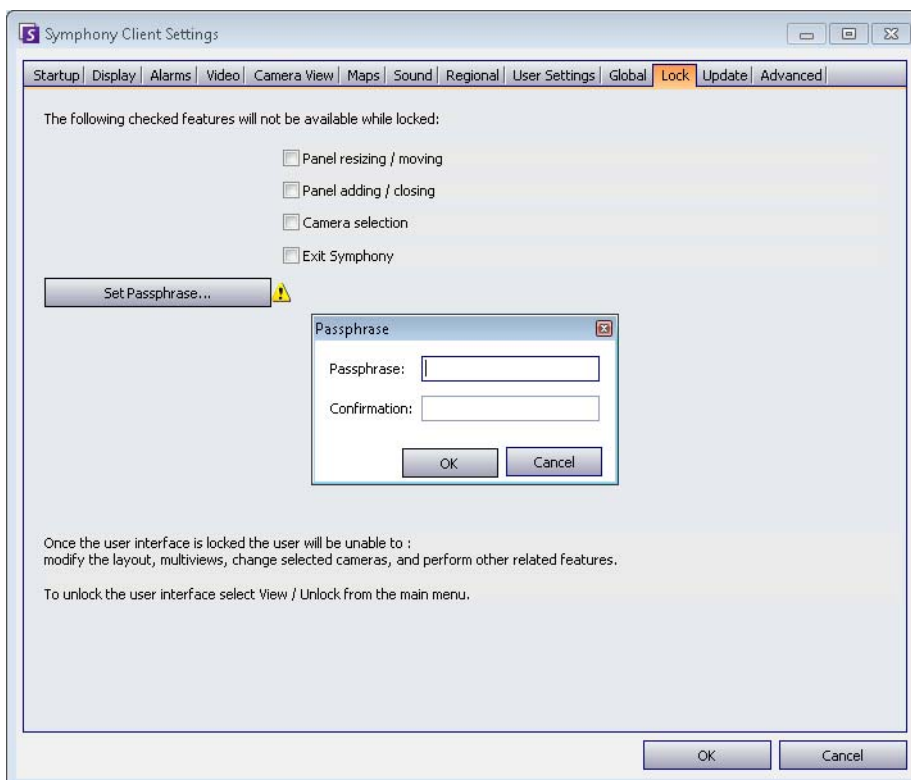


Figure 67. Lock tab

Procedure

To lock the user interface:

1. In the **Lock** tab of the Symphony **Client Settings** dialog box, select the interface features you want to lock.
2. Click the **Set Passphrase** button. Enter a pass phrase that the user must enter (if necessary) to later unlock the interface and lick **OK**.
3. From the **View** menu of the Main Console, select **Lock**.

To unlock the Symphony Client:

1. From the **View** menu on the Main Console, select **Unlock**. The **Unlock** Symphony dialog box opens.
2. Enter the pass phrase that was defined when locking the interface and click **OK**. The interface is now unlocked.

Update

The options in this tab are typically selected by an Administrator. You can select whether the **Server** or **Client** machine manages Device Pack updates.

- If you select that the **Server** manage Device Pack updates, then you must indicate when Device Pack updates will be installed on the Client machine in the **Server Configuration Server Farm** dialog. See the Administration manual for instructions.

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The Symphony **Client Settings** dialog box opens.
2. Click the **Update** tab.

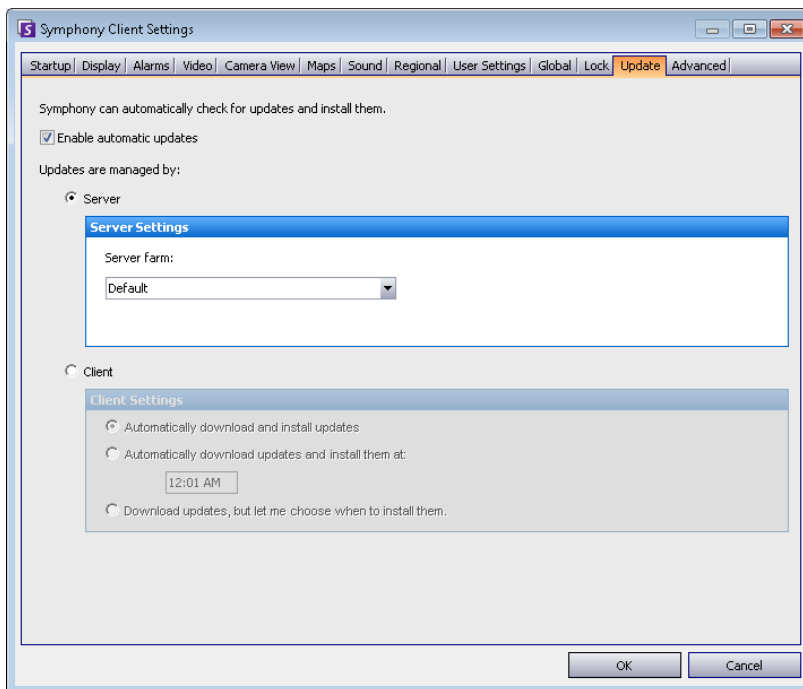


Figure 68. Update tab

The Client user will be prompted with one of the following messages during a Device Pack installation:

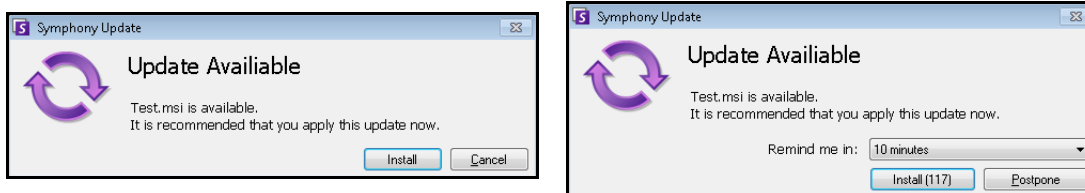


Figure 69. Device Pack Installation Update Message to Client User

- If any issues are encountered during the installation process, consult [Device Pack Installation Errors](#).
- For Device Pack Installation Wizard instructions, consult [How to install a Device Pack](#).

Advanced

In the **Advanced** tab, you can:

- Configure memory usage conditions under which Symphony Client will restart
- Set the level of information (low, medium, high) that Symphony Client should log for system functions. If you select Low, the client logs will contain less detail, but system performance will be better. Increasing the log level provides more detailed information if a problem is encountered, but can impact system performance. If unsure, leave the default selection.
- Enable/disable messages to the user in the event of a Symphony Client crash by selecting the **Silently handle crashes** check box.

Procedure

To access the Symphony Client Settings dialog box:

1. From the **View** menu, select **Settings**. The **Symphony Client Settings** dialog box opens.
2. Click the **Advanced** tab.

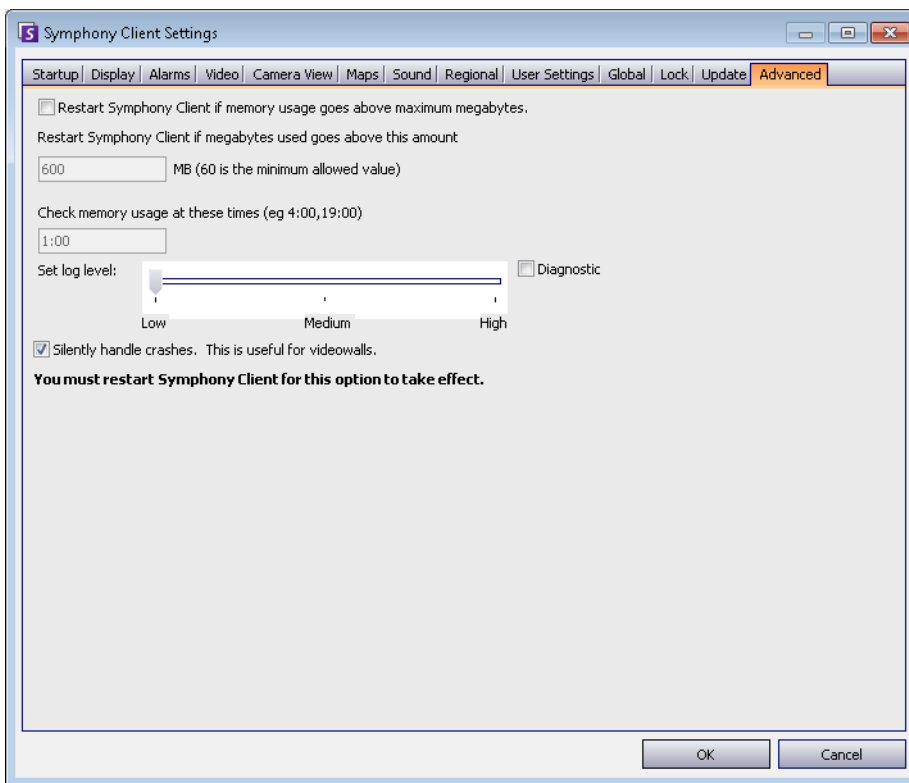


Figure 70. Advanced tab

Server List

The **Server List** panel is on the right side of the Main Console. It lists the servers along with their connection status.

Procedure

To display and customize the Server List panel:

1. From the **View** menu, select **Server List**. The currently selected server is highlighted, and any server operations that are performed via the Server menu will act on this selected server.
2. Right-click on the top title bar. The context menu appears where the **Column Chooser** allows you to customize which fields are displayed.

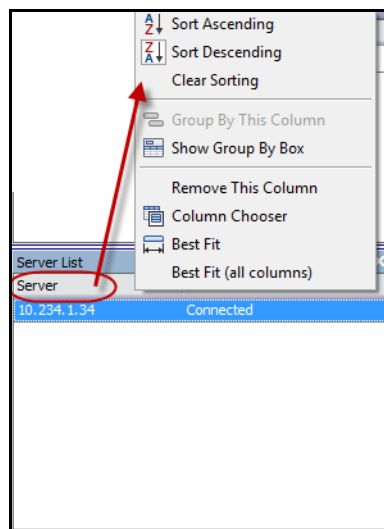


Figure 71. Right-click on Server List panel title bar

3. Right-click on a server from the **Server List** panel. A context menu pops up that allows you to **Add**, **Edit**, **Delete**, **Enable**, **Disable**, and view **Properties** of the selected servers.

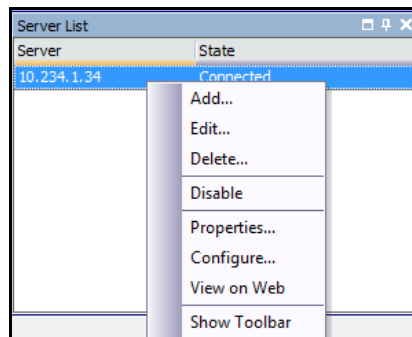


Figure 72. Right-click on a server

The **Server List** panel can be docked in the Main Console or undocked and moved to another monitor.

3. Select one of the servers.
 - If the Symphony Server is running on a nonstandard TCP port, you can enter an address with colon suffix followed by the TCP port number. If you do not suffix with a port, it will try the default port, 50,000.
 - Enter a descriptive **Name** that will appear in Symphony Client for this address. This information is not used to connect.
 - In the **User** field, enter a user name for a user who will have access to the server.
 - Enter the password that is set up for the user.

Procedure

To edit the Symphony Server connection information:

1. In the **Server List** dialog box, right-click on the server name you want to edit, and select **Edit**.

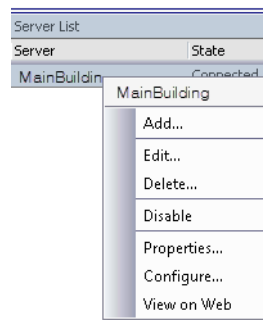


Figure 75. Right-click on server name in Server List

2. The **Edit Symphony Server Connection** dialog box opens. You can edit the description **Name** of the server, the **User** name and **Password**.

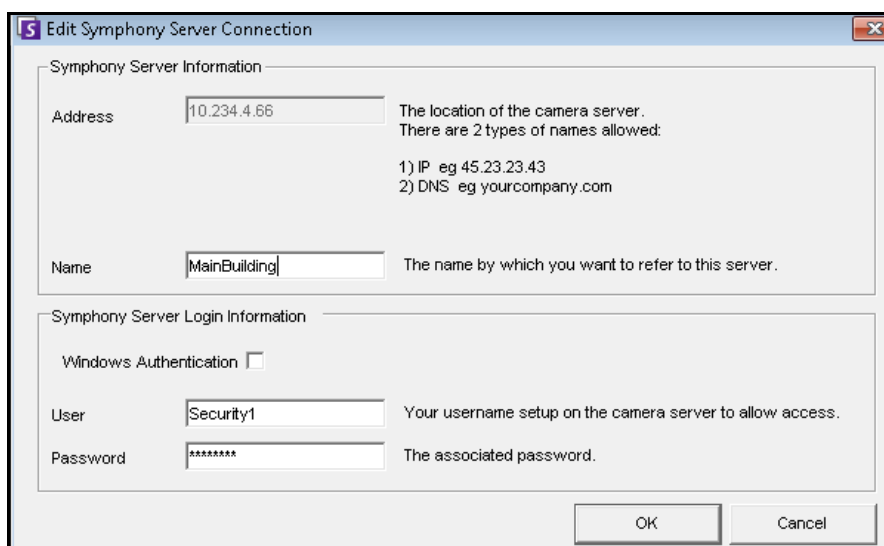


Figure 76. Edit Symphony Server Connection

Logging In, Switching Users, and Supervisor Logon

You can log in, log off, switch users, or even log two users in at the same time on the same machine granting them higher user privileges than they normally have on an individual basis.

Procedure

To log off/log into Symphony Client:

1. In Symphony Client, from the **File** menu, select **Log Off All Servers**.
2. The **Log Off All Servers** confirmation dialog box opens. Click **OK**.

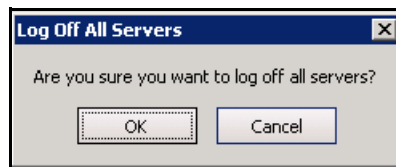


Figure 77.

3. Symphony Client displays the **Access Denied** message.

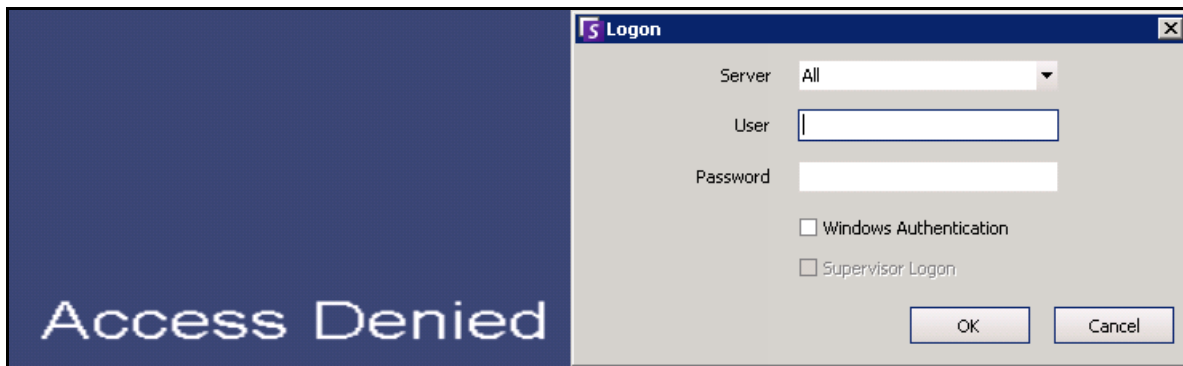


Figure 78. Logon screen after user has logged off Symphony Client

4. To log back into Symphony, select the **Server** to log on to. (You can log onto all servers with the same credentials.)
5. Enter the **User** and **Password** and click **OK**. The name of the user appears in the Symphony Client title bar.

Procedure

To switch users logged into Symphony Client:

1. In Symphony Client, from the **File** menu, select **Log On/Switch User**. The **Logon** dialog box opens.
2. Select the **Server** to log on to.

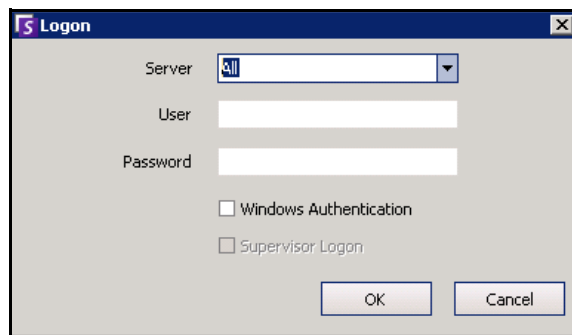


Figure 79. Logon

3. Enter the **User** and **Password** of the new user and click **OK**. The name of the user appears in the Symphony Client title bar.

Logging on with Supervisor Privileges

Procedure

To log on with supervisor privileges:

1. In Symphony Client, from the **File** menu, select **Log On/Switch User**. The **Logon** dialog box opens.
2. Select the **Server** to log on to with supervisor privileges. The **Supervisor Logon** check box is enabled.

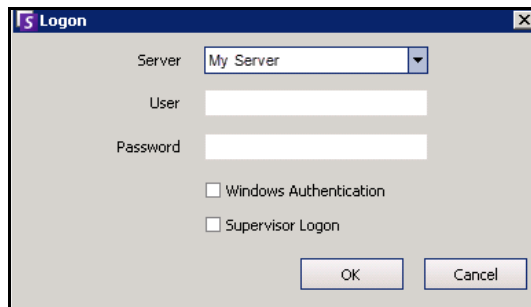


Figure 80. Logon

3. Enter the **User** and **Password** of one of the two users.
4. Select the **Supervisor Logon** check box. More fields appear.
5. Enter the **User** and **Password** of the second user wanting to log on at the same time.
6. Enter the **Supervisor User** name. It is the same name of the virtual user you created in the **User Configuration** dialog box.

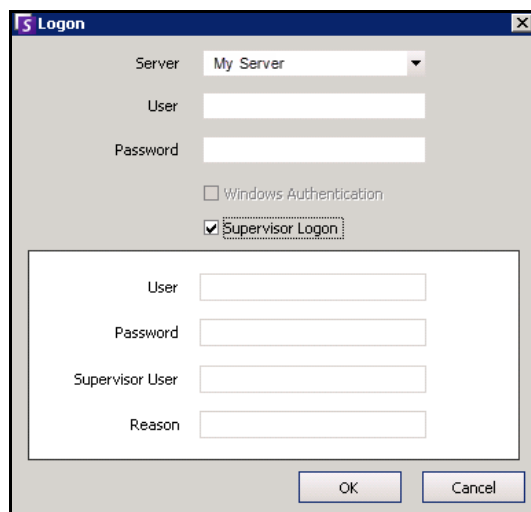


Figure 81. Supervisor Logon fields displayed

7. In the **Reason** field, enter information that describes why you are logging in with supervisor privileges.
8. Click **OK**. You can now use the system.

Modifying User Information

All users can view and modify their user information. Farm registration is automatically updated if credentials are changed through the **User Configuration** dialog box on the local machine.

Procedure

To modify user information:

1. From the **Server** menu, select **User Configuration**. The **User Configuration** dialog box opens.
2. In the left pane, click your user name. The **User Information** dialog box opens.
3. Modify any necessary information such as **User Name**, **Password**, **Name**, **Email**, **Phone**, **Description**.
4. Click **Apply**.



Note: If Active Directory mode was defined during setup, no password is stored in Symphony as the Windows domain password will be used. See your Administrator.

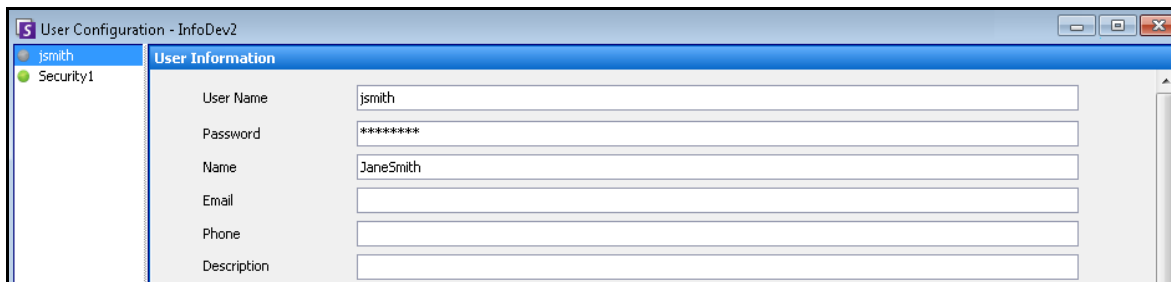


Figure 82. User Configuration

Chapter 2

Searching Video by Using the Search Tool

Symphony provides two methods of searching video: using the **Timeline** or the **Search** tool.

- The **Timeline** is integrated in the main interface of Symphony Client and summarizes a full day's activity. This is useful if you want an overview of the entire day on the current camera. See ["Timeline" on page 2](#).
- The **Search** tool allows you to query video for specific events in specific parts of the video.

Search Tool

The Search tool allows you to search recorded video for motion or alarms in specified areas of interest. Symphony will search based on your criteria and create a mini movie and thumbnails showing the results. For example, you may search for all activity around a car for the last 24 hours. Symphony will create a video containing only activity that occurred in an area of an image designated by you. The result may be a five minute movie, depending on how much activity was found.

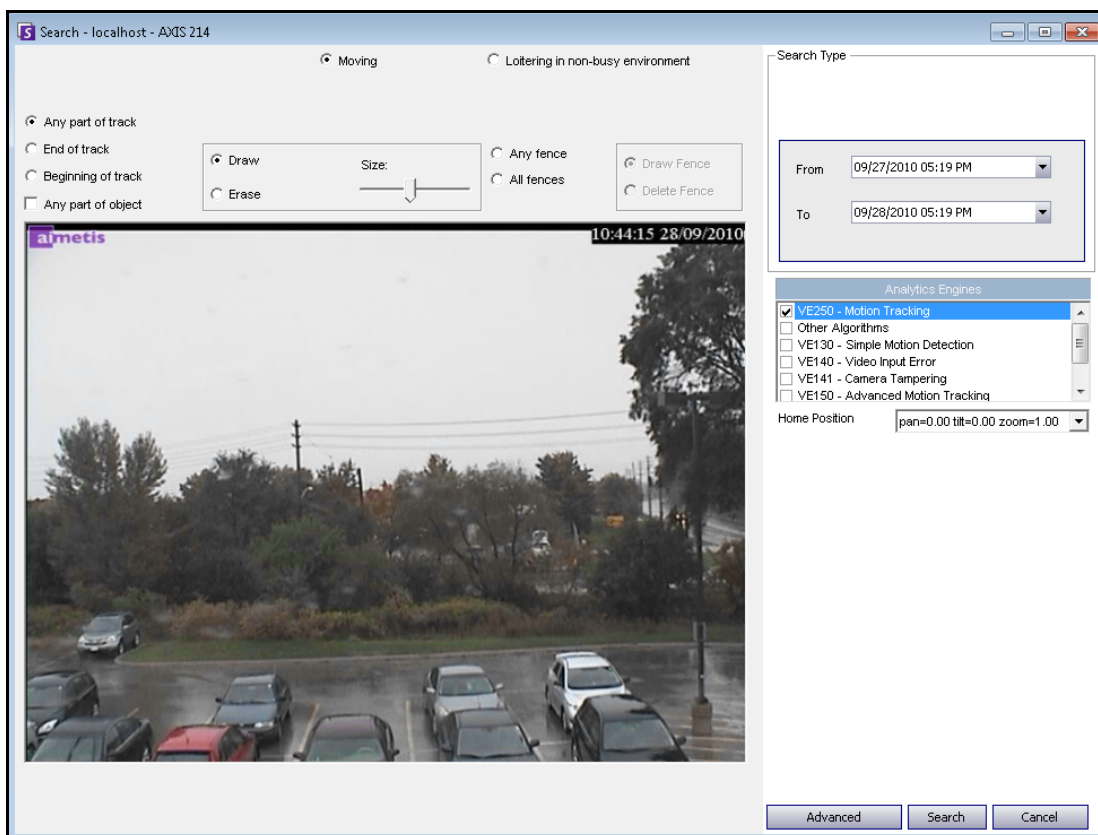


Figure 1. Search dialog box

Procedure

To perform a search:

1. From the tool bar, click the **Search** button (Figure 2). The **Search** dialog box opens (Figure 1 on page 73).

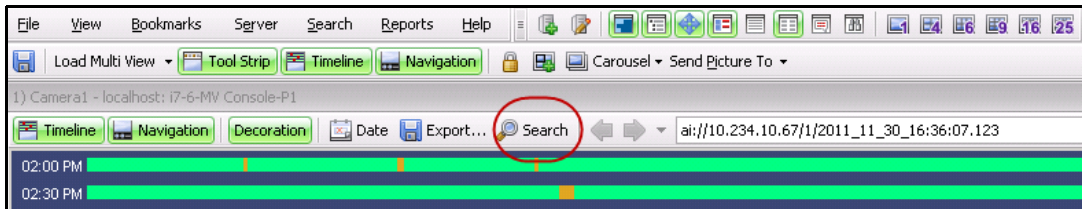


Figure 2. Search button

2. From the **Analytics Engines** list, select the engine. Depending on the analytics engine you choose, you can mark the area of interest for searching or select a class of objects to search for such as people or vehicles. Each analytic engine has different search options that you can use.

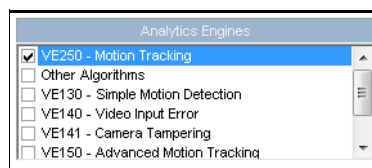


Figure 3. Analytics Engines selection list

Some options might be:

- Using the displayed image from the video, you define the area in blue (a mask) where objects in motion should be detected. [Figure 4 on page 75](#)
 - Select the **Erase** option to erase the blue mask.
 - Select the **Draw** option to draw the blue mask.
 - The **Size** slider adjusts the pen thickness.
- Alternatively, digital fences can be used as the search criteria. Select **Any fence** to draw a digital fences. Selecting **All fences** denotes that the object must pass through all fence lines to result in resulting search video. [Figure 5 on page 75](#)
- Select the **Class** of object you wish to search for, such as **People**, **Vehicles** or **Unknown** objects (unknown objects are objects that were tracked but were not classified as people or vehicles). [Figure 5 on page 75](#)
- Select the **Behavior** to filter by, such as loitering. [Figure 5 on page 75](#)

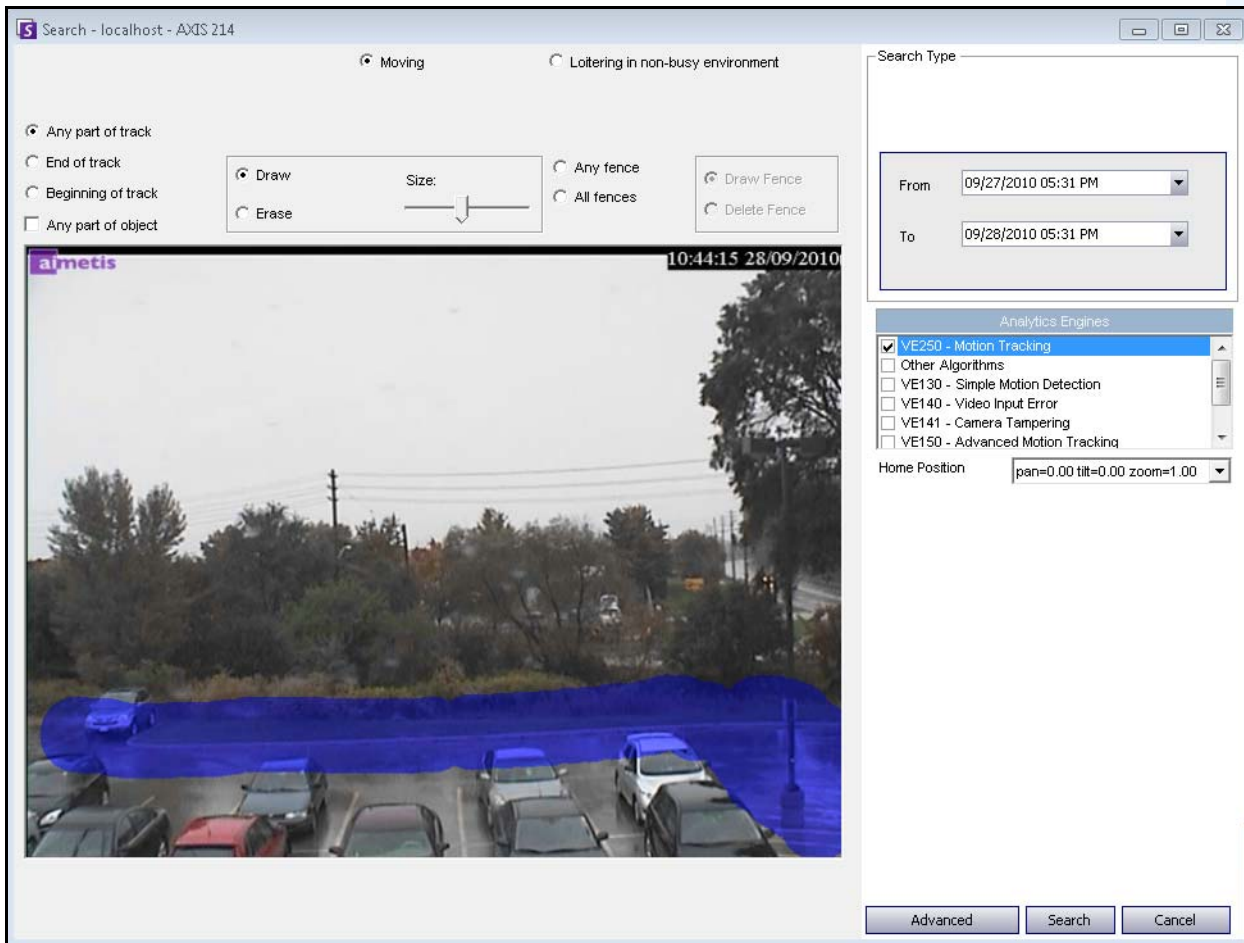


Figure 4. Search dialog box

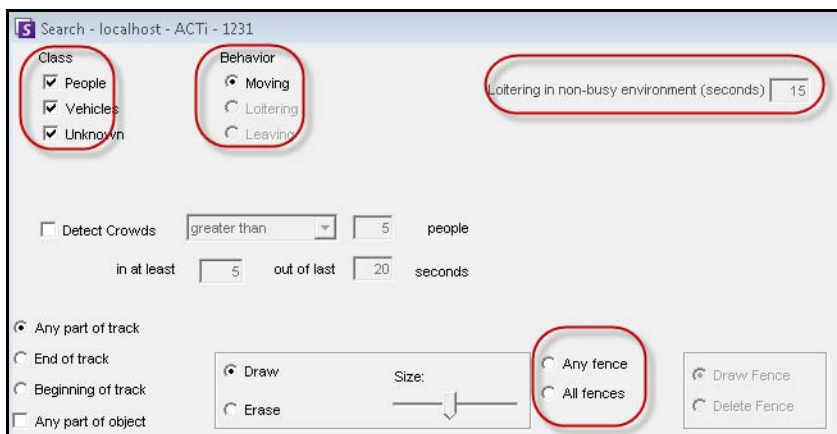


Figure 5. Search options

- Specify your search **From** and **To** dates. For more advanced settings, click the **Advanced** button (Figure 6).

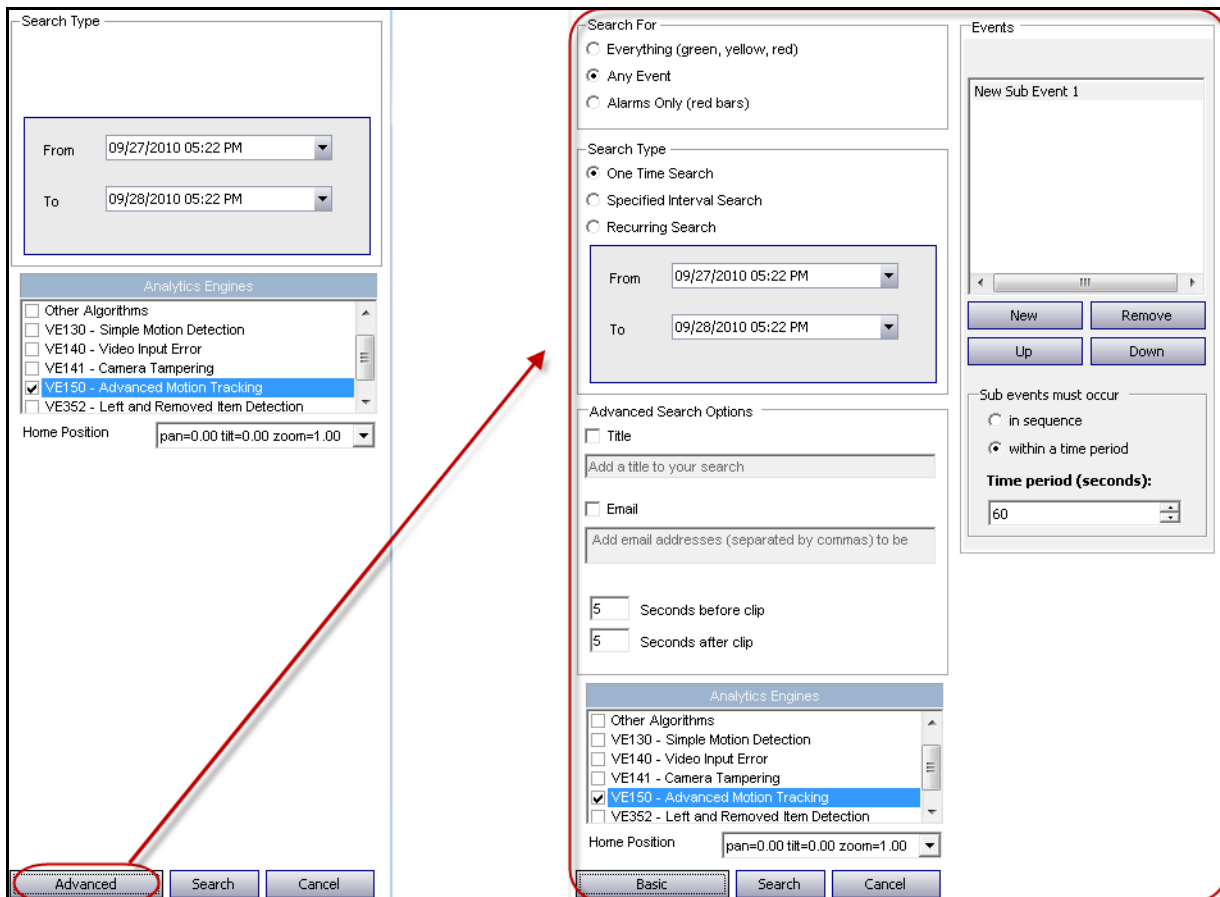


Figure 6. Basic to Advanced settings in the Search dialog box

- **Everything** - Will not filter any video. The resulting movie will include all frames between the **From** and **To** search times.
- **Any Event** - Symphony will search for all activity between a specific date and time.
- **Alarms Only** - Allows you to select the specific events to search for as defined by the Rules.
- **One Time Search** - The search will be performed only once using the date range you selected.
- **Specified Interval Search** - You can specify to search between a date and time range. For example, between July 26 and July 30, but only between 6:38pm and 7:38pm.
- **Recurring Search** - Allows you to specify a search that Symphony will continuously perform until you end it. For example, between 18:00 and 8:00 each day. This option may be useful if you want automated searches done at specific times for review.
- **Title** - A user defined tile for the search can be defined.
- **Email** address - To notify a user the search is complete.
- **Seconds before clip** and **Seconds after clip** - Can be modified by entering a numeric value that represents the seconds before or after the event Symphony should begin to play the resulting video.

- **Events** (group area) - Allows you to combine different search events in order to further filter the results. For example, you can search for people loitering AND cars parking within 60 seconds, and only these combined events would be displayed in the search results.
4. If the search is being conducted against a PTZ camera, select the Home Position to search in. Home Positions are configured in the Camera Tour. See [“Using PTZ Cameras” on page 98](#).
 5. Click **Search** to start search. The **View Search Results** dialog box opens. See [“View Search Results” on page 81](#).

Search Using Color Detection of the VE180 Analytic

The **Color** tab option is available only if color detection (**Color** check box) has been configured in the VE180 analytic engine.

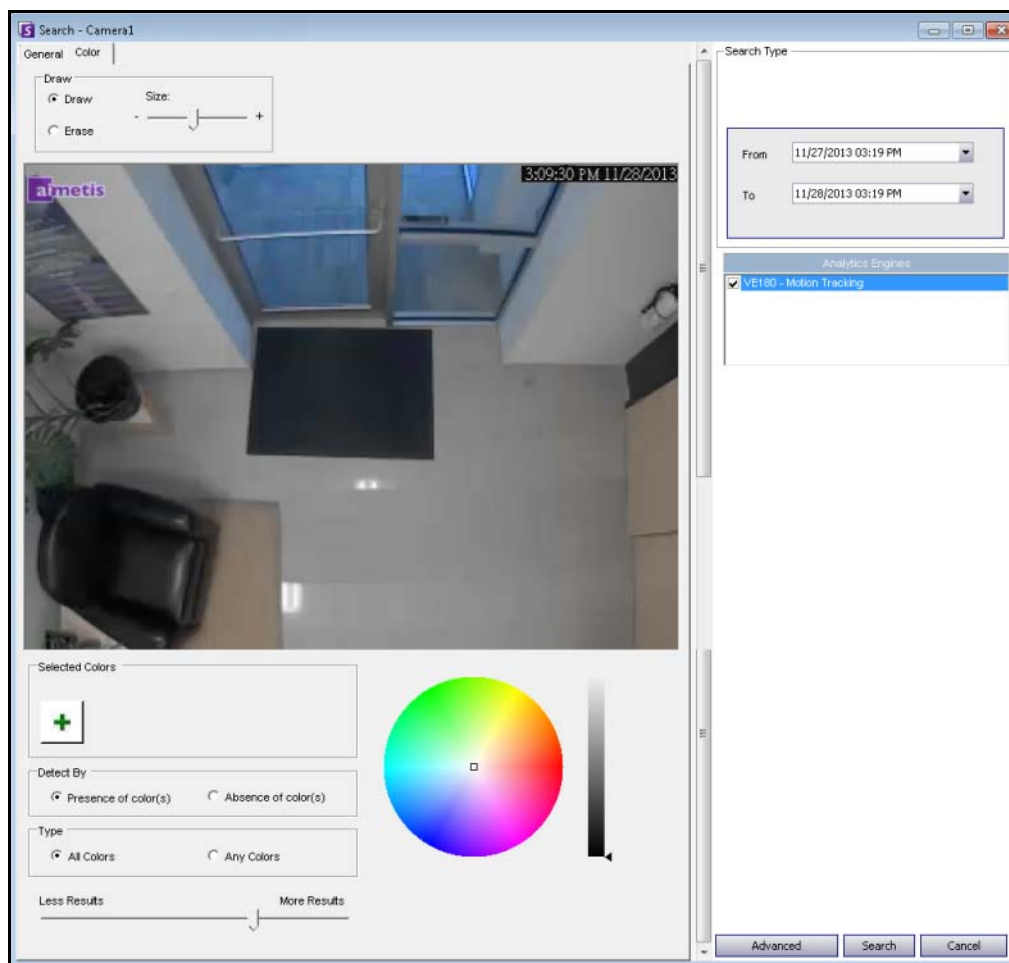


Figure 7. Search, Color tab

Procedure

To search for an object based on color:

1. In the **General** tab, select the area to search using a **Mask**.

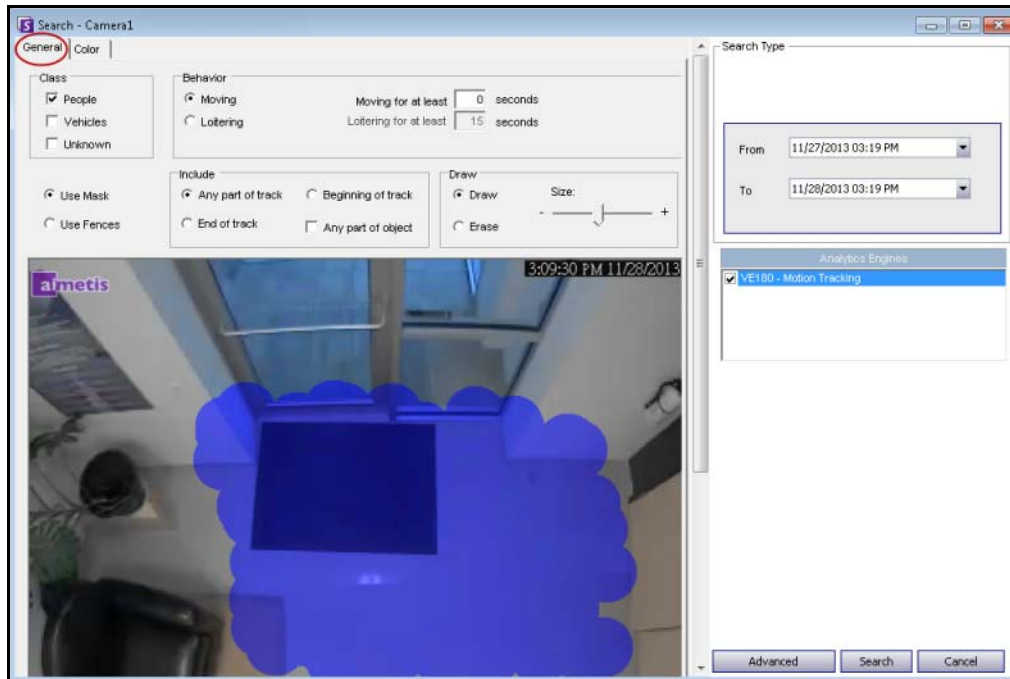


Figure 8. Search, General tab, mask on area to detect

2. Click the **Color** tab and select the colors you want to search on from the **Color** wheel.

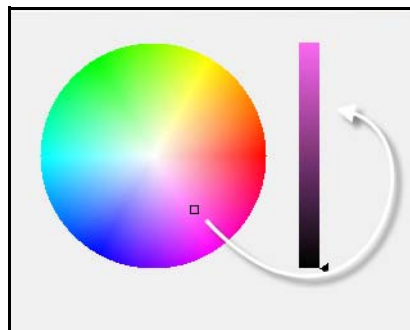


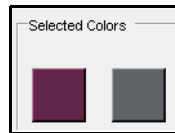
Figure 9. Color wheel selection for search

- **Presence of colors** detects all tracked objects with the selected colors in the image.
- **Absence of colors** detects all tracked objects that do NOT contain the selected colors in the image.

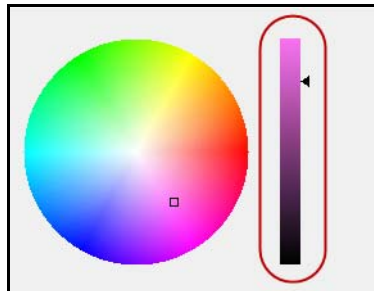
- To add more colors to detection, click the **Add (+)** button and use the color wheel to select a color.



- All Colors** indicates that all the selected colors must be detected in order for the rule to be activated.
- Any Colors** indicates that if any of the selected colors are detected the rule will be activated.
- At any time, you can modify a selected color by clicking on it and then selecting other colors from the color wheel.



- The horizontal slide bar of **Results** indicates how closely the color needs to match before the alarm is triggered. If you move towards the **More**, the VE180 analytic finds everything that comes even remotely close to the select colors, resulting in more alarms. If you move towards the **Less**, VE180 analytic matches these colors exactly, resulting in less alarms. If you are getting too many alarms move the slider towards **Less** and if the setup is missing alarms then move slider towards **More**.
- After selecting a color on the color wheel, use the vertical slide bar to indicate the lightness of darkness value of the color.



- Click **Search**. The **View Search Results** dialog box opens showing the results of searches on the colors you selected. For more about viewing search results, see ["View Search Results" on page 81](#).

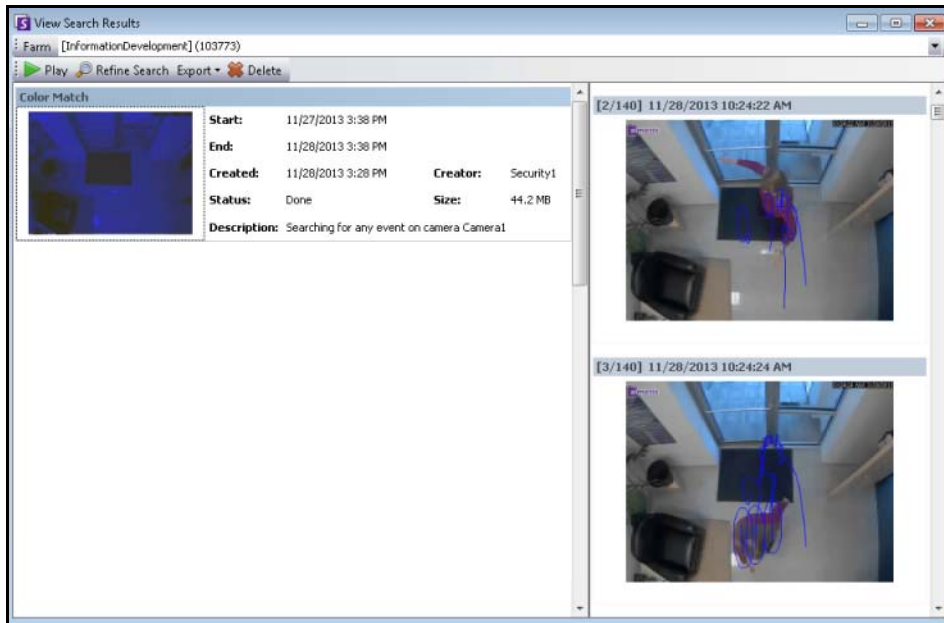


Figure 10. View Search Results - based on color detection

View Search Results

After you perform a **Search**, the **View Search Results** dialog automatically opens.

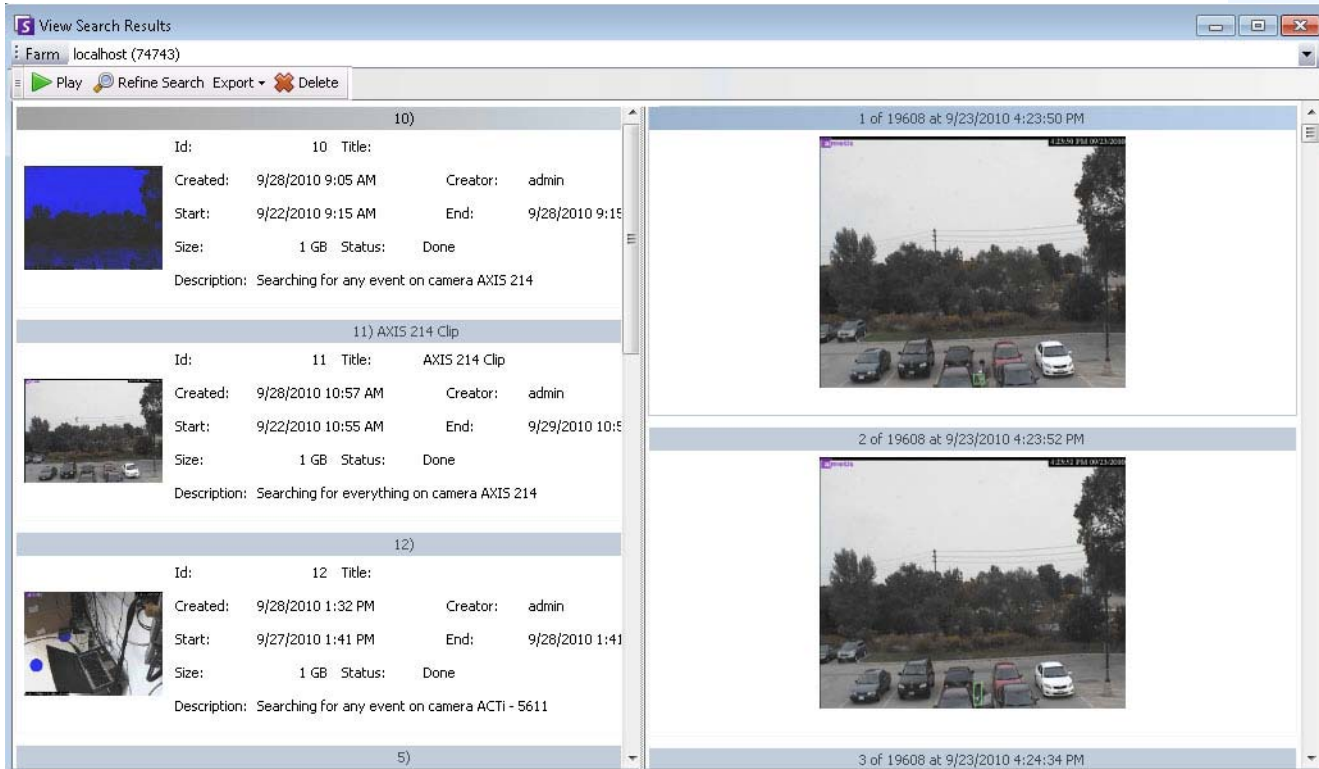


Figure 11. View Search Results dialog box

Procedure

To manually open the View Search Results dialog box:

1. From the **Search** menu select **View Search Results**, or if you have the **Search** dialog box open, click the **Search** button. The **View Search Results** dialog box displays all your previous searches.
2. You have several options once a search result is selected from the list:
 - The right pane of the **View Search Results** dialog box displays snapshots of each event for the currently selected search.
 - To get a better view of the image, click on the snapshot in the right pane and the image will be displayed in the main video panel. (Note that the selected snapshot must be an existing archived image in the system in order for it to be displayed.)
 - **To play a search** - Click the **Play** button in the tool bar. Symphony Player will automatically open and play the video of the selected result.
 - **To refine a search** - Click the **Refine Search** button in the tool bar. The **Search** dialog box opens. See [“Search Tool” on page 73](#).
 - **To delete a search** - Click the **Delete** button (X) in the tool bar. The corresponding .aira and .mpeg files will be deleted from the server.

- **To save a search to your computer** - Click the **Export** button and select **Download AIRA**. The video will be saved in .aira format to your PC. You require Symphony Player to play .aira files.
- **To save as an .mpeg format** - Click the **Export** button and select **Download MPEG**. This will save it as MPEG4v2 format which can be played in a wide variety of media players including Microsoft Media Player.
- **To email a search result video** - Click the **Export** button and select **E-Mail Link**.

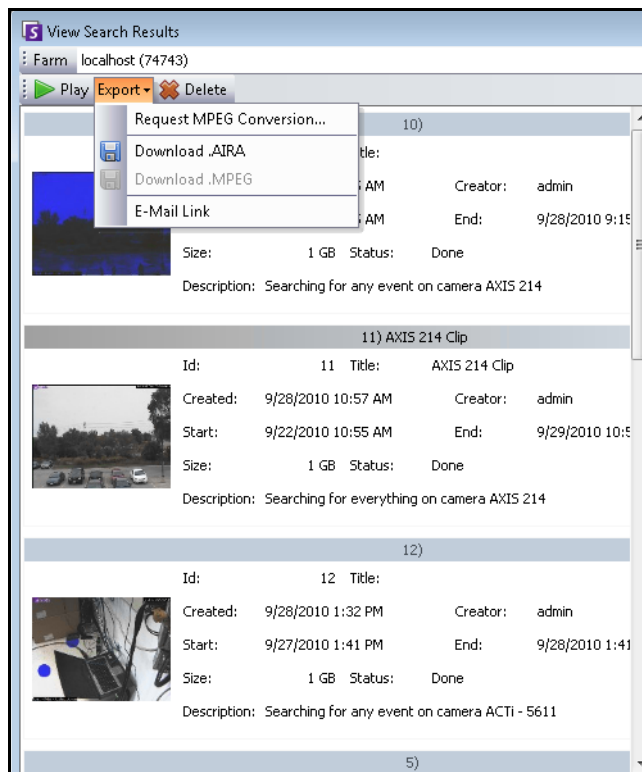


Figure 12. Menu options in View Search Results dialog box

Recurring Search

Recurring searches are set up in the **Advanced** search options. For details, see [“Search Tool” on page 73](#).

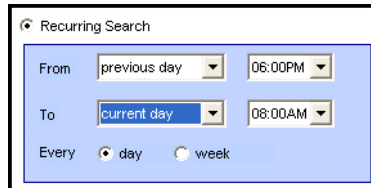


Figure 13. Recurring Search

You can manage your recurring searches from the **Recurring Search Definitions** dialog box.

Procedure

To manage recurring searches:

1. From the **Search** menu, select **Manage Recurring Searches**. The **Recurring Search Definitions** dialog box opens showing a list of your named search recurring search types. Server farms are listed in a drop-down box.
2. Click on the named search. The **Refine Search** and **Delete** buttons become active.
3. If you click **Refine Search**, the **Search** dialog box opens where you can adjust settings. See [“Search Tool” on page 73](#).

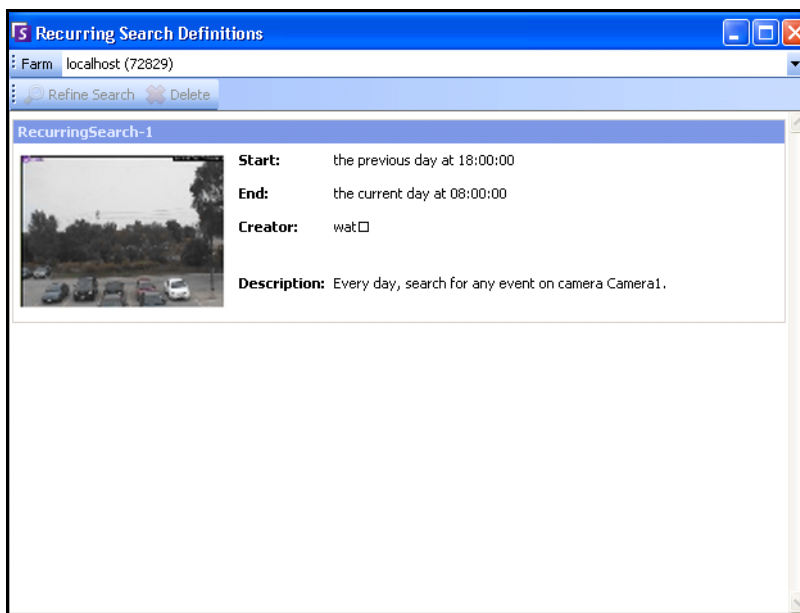


Figure 14. Recurring Search Definitions

LPR

This menu option is available only if you have purchased and completed the **License Plate Recognition (LPR)** installation.

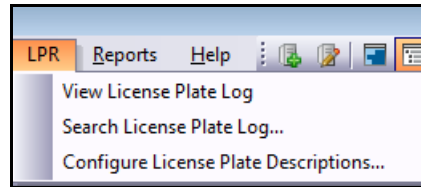


Figure 15. Main menu access in Symphony Client for LPR

Automatic License Plate Recognition is available as a video engine inside Aimetis Symphony. The VE410 allows you to detect and index license plates. It is designed for vehicle access control applications as well as traffic control and enforcement applications.

For complete instructions on field installation and planning, software installation, and analytics configuration, see the Aimetis [Automatic License Plate Recognition \(ALPR\) Guide](#).

Activity for All Cameras

The **Activity For Cameras** view makes it easy to compare the Timelines for all or a group of cameras on all servers for the specified date range. It is also useful if you want a snapshot of all activity on all your cameras for a day.

Procedure

To see activity for all cameras:

1. From the **View** menu in the main console, select **Activity for Cameras**.
2. (Optional) Click on the **Timeline** and the corresponding image is loaded in the Main View.

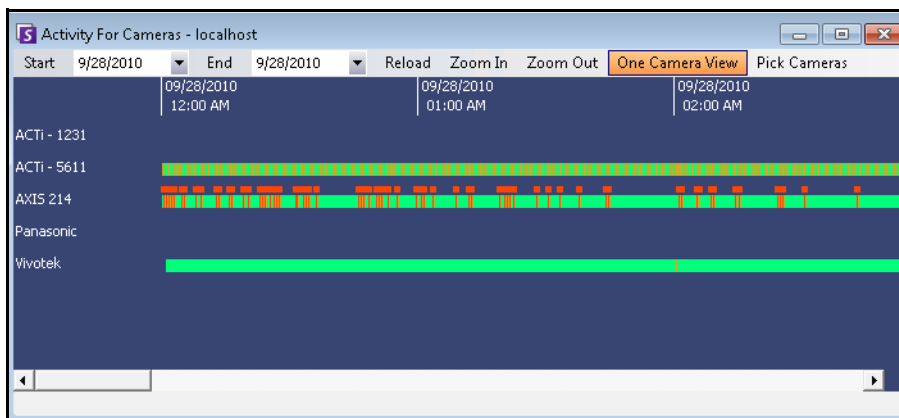


Figure 16. Activity For Cameras dialog box

- Upon altering the date range, clicking **Reload** will load all the cameras' timeline information for the new date range.
- **Zoom In** and **Zoom Out** allow you to quickly change the granularity of the time bars shown.
- **One Camera View** button uses one Video Panel to show the result of navigating with the timelines. If not depressed, then each time you click on a timeline a new Video Panel will be created.

Recent Alarms/Motion

The **Recent Alarms/Motion** feature is ideal for the following scenarios when you want to:

- see which alarms happened around a given time to determine what is going on
- prioritize alarms so that you know which of the most recent you should be dealing with
- see where there was motion to determine if an alarm setting is necessary in certain areas
- learn to differentiate between a true alarm and activity-only in your monitored area
- see recent activity/alarms if you have stepped away from your monitor for any reason

Procedure

To display the Recent Alarm/Motion JPEGs feature:

- From the **View** menu in the main console, select **Recent Alarm/Motion JPEGs**. The **Recent Alarms/Motion JPEGs** dialog box opens.

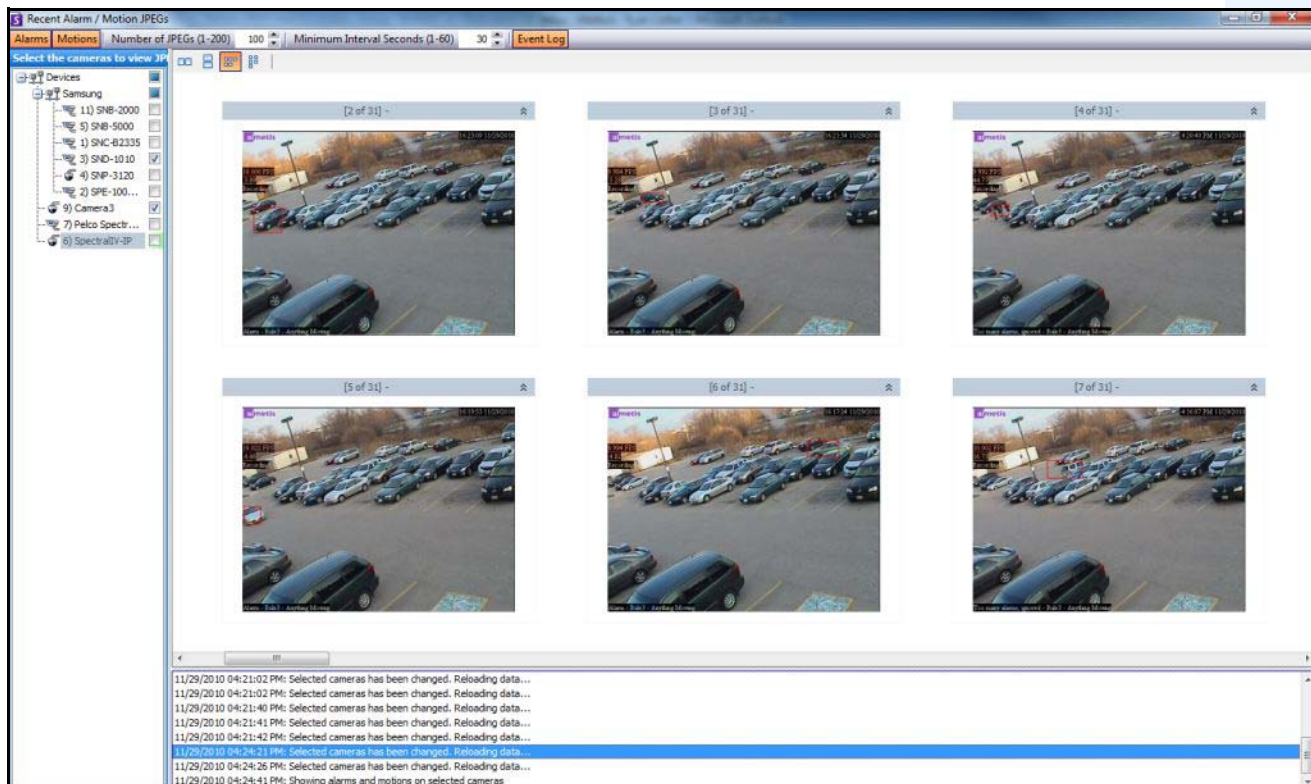


Figure 17. Recent Alarm/Motion JPEGs panel

This feature allows you to view images (JPEGs) of alarm or motion instances based on the selected cameras.

Table 1. Feature Usage

Button/Field	Description
Alarms	View unique alarm JPEGs of the selected cameras in reverse-chronological order (starting with most recent) in a sequence of instances with Minimum Interval Seconds between the alarm occurrences.
Motions	View unique motion JPEGs of the selected cameras in reverse-chronological order (starting with most recent) in a sequence of instances with Minimum Interval Seconds between the motion occurrences. This is specific to the redundant alarms that are ignored by the Alarm Log and Timeline because they have occurred within quick succession of a unique alarm. These alarms can be identified when Symphony tags them as “Too many alarms, ignored” in the Live View panel. Both Alarms and Motions can be selected at the same time, enabling both unique and redundant alarms to be displayed. Each image will have the Minimum Interval Seconds between them.
Number of JPEGs (1-200)	Limit the number of JPEGs displayed between 1 and 200, and arrange the images in different layouts, each staying consistent with the reverse-chronological ordering.
Minimum Interval Seconds (1-60)	Minimum Interval Seconds determines the number of seconds in between a set of adjacent images for a unique alarm (or motion). Reducing this setting will display a larger, more granular set of JPEGs, as there will be less time between the displayed alarm instances. Increasing the setting will, in contrast, reduce the set. Note: Changing the Minimum Interval Seconds from, for example 60 to 3, will not change the snapshots in the displayed set, but will affect new snapshots that are displayed. New snapshots will be set at the new Minimum Interval Seconds .
Event Log	View the listed changes to the cameras selected, as you click the Alarms or Motions button.
Select the cameras to view JPEGs	Select the cameras from which to view images (JPEGs).
rows/column icons representing display layout	2 medium size images in a row 2 medium size images, one above the other small images in a row - use horizontal scroll bar to view all small images in a column - use vertical scroll bar to view all

Tracking Color

A Symphony video analytic engine may be running on your system. Tracking lines may appear as the camera follows an object through an area. These tracking lines vary in color according to object tracked and video engine used.

VE130	Motion	green
VE150	Person	blue
	Vehicle	yellow
	Unknown	green
VE180	Person	blue
VE250	Unknown	green



Figure 18. Same parking lot: blue tracking line for person, and yellow tracking line for vehicle

Bookmarks

You can add a bookmark for what is currently showing in the Main Video Panel. This could either be live playing video, historical playing video, or a still image. After you have added a bookmark it will appear on the **Bookmarks** menu, just like Favorites in Microsoft Internet Explorer.

Procedure

To add a bookmark:

1. From the **Bookmarks** menu, select **Add Bookmark**.
2. Enter a name for the bookmark.
3. (Optional) To make the bookmark visible to all connected users, select the **Shared** check box.
4. Click **OK**.

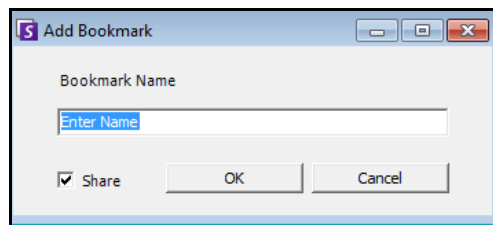


Figure 19. Add Bookmark dialog box

Procedure

To manage bookmarks:

1. From the **Bookmarks** menu, select **Manage Bookmarks**.
2. Select a bookmark to delete or share. Shared bookmarks are visible to all connected users.
3. Click **OK** to complete the action and close the dialog box.

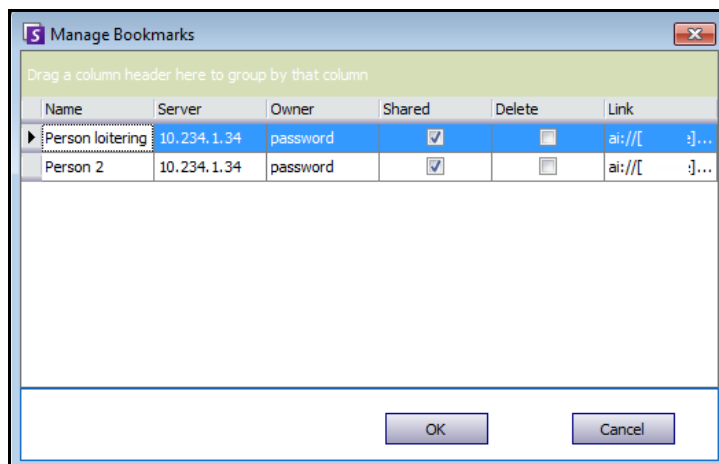


Figure 20. Manage Bookmarks dialog box

Procedure

To create a new carousel:

1. In the **Carousels Summary** dialog box, click **New**.
2. In the **Sequence Name** field, enter a descriptive name for the carousel.
3. In the **Available Cameras on Servers** group area, expand the **Devices** tree.
4. Select the check box associated with each camera you want in the carousel and then click the arrow to move the cameras into the **Cameras in Current Carousel** group area.



Note: The same camera can be added multiple times.

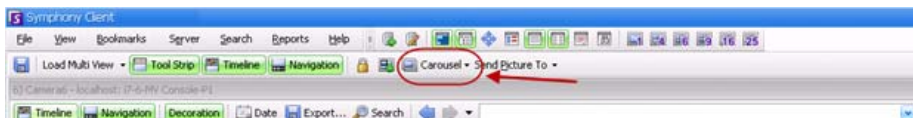
5. Define a pause time in seconds. Click in the field under the **Pause (Sec)** column to activate the field.
6. Click **OK** to save.

Working with Carousels

Procedure

To access carousels from Symphony Client:

- Click the **Carousel** icon in the Tool Strip.



To dock a carousel directly inside a Multi View:

- From the **Multi View** navigation bar, select **Carousel**.

Exporting Video

You can export video from the Symphony server two ways:

- You can perform a **Search** and save it to disk from the **View Search Results** dialog box.
- You can export video by selecting a time period to export using the **Export** button in the toolbar.

Using Search

1. Perform your search. For details, see [“Searching Video by Using the Search Tool”](#) on page 73.
2. Right-click a search result from the list. Save the result in one of the following formats.
 - Click the **Export** button and select **Download AIRA**. The video will be saved in .aira format to your PC. You require Symphony Player to play .aira files.
 - Click the **Export** button and select **Download MPEG**. This will save it as MPEG4v2 format which can be played in a wide variety of media players including Microsoft Media Player.

Using Export

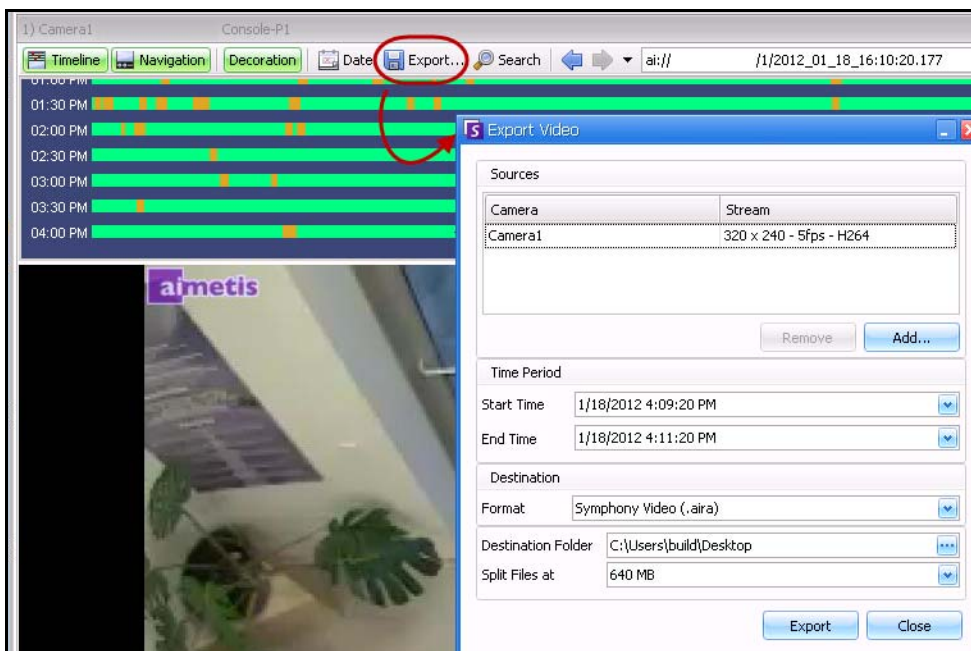


Figure 22. Export Video dialog box

1. Select a point on the Timeline.
 - Option 1:
 - a. Click on the **Timeline** to the location you want to begin the export.
 - b. Click the **Export** button in the toolbar. The **Export Video** dialog box opens.
 - c. By default Symphony sets parameters for a movie clip starting 60 seconds before the timeline clicked time, until 60 seconds after it. Alter these settings as necessary in the **Start Time** and **End Time** fields.

- Option 2:
 - a. Right-click a starting point on the Timeline and from the context-menu select **Mark Export Start**.



Figure 23. Right-click context menu on Timeline

- b. Right-click an ending point on the Timeline and from the context-menu select **Mark Export End**.
- c. Click the **Export** button in the toolbar. The **Export Video** dialog box opens. The points in the Timeline are reflected in the **Start Time** and **End Time** fields in the **Export Video** dialog box.

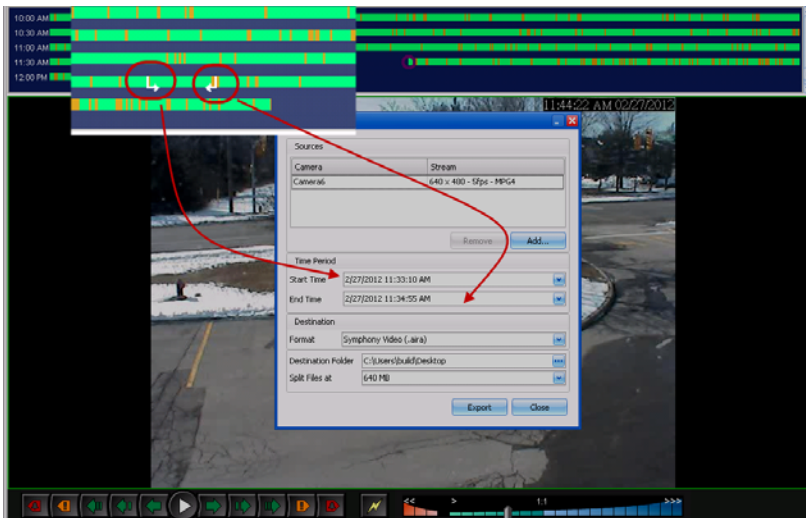


Figure 24. Start and End arrow times reflected in Video Export dialog box

- If you create an END point to the left of the START point, the START will be removed before the END is created.
- If the cameras are changed after a selection is made, the END point is removed.
- If you select a Start and End point from the Timeline first, the Video Export dialog box displays corresponding Start and End dates.
- If you do NOT first select Start and End points in the Timeline, but open the Video Export dialog box, the Start/End arrows will be created in the Timeline +/- 1 minute from the current selection. Arrows in the Timeline will match the Start/End dates shown in the Video Export dialog box.
- In Live View, if you first launch the Video Export dialog box, only the Start point arrow will be displayed in the Timeline. The End point arrow will appear in the Timeline after a minute, that is, when time has passed and the Timeline shows a historical moment.
- If no End point is selected, Symphony displays an End arrow on the Timeline two minutes after the Start arrow.
- If no Start point is selected, Symphony displays a Start arrow on the Timeline two minutes before the End arrow.

Note: Once the **Video Export** dialog box is displayed, if you change a **Start Time** or **End Time** in the **Video Export** dialog box and click outside the date control fields, the arrows in the Timeline will change to reflect this.

However, the **Start Time** and **End Time** fields in the **Export Video** dialog box are NOT updated when *changing* the Start and End points on the Timeline.



2. Select the camera(s) from which to export video for the time period. Click **Add**. The **Select Camera to Export** dialog box opens. Select the check box associated with the camera(s).

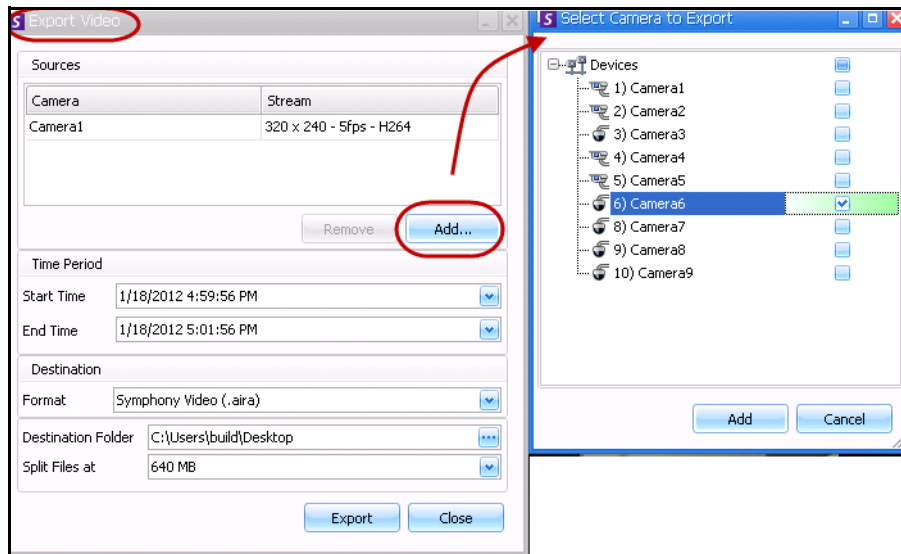


Figure 25. Select cameras from which to export video

3. Select **Symphony Video** or **AVI** from the **Format** field.
 - a. If you selected **AVI**, the **Export Video** dialog box expands to display more options.

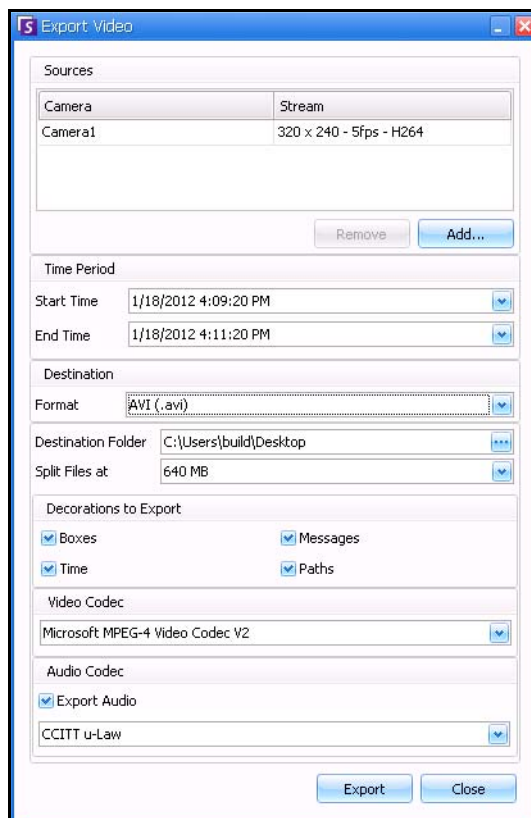


Figure 26. AVI file type selected

- b. (Optional) By default, decorations are included on the exported video. You can clear the check boxes to remove the decorations.
 - c. By default, **Video** and **Audio Codecs** are selected. Use the drop-down lists to select other codecs that are installed on your Windows system.
 - d. By default, audio is exported. To exclude audio, clear the **Export Audio** check box.
4. By default, the video file and a log file will be saved on your Desktop. If necessary, change the location of the saved files by altering the path in the **Destination Folder** field.
 - The video filename is saved as **<CameraName> - <Capture Resolution> - <Capture FPS> - <Capture Format>_YYYYMMDD_HHMMSS** with the **.avi** or **.aira** extension. The date and time reflects the start of the recorded clip.
 - The video log file is named in the same manner as the video file but with a **.txt** extension. The exported video file contains an MD5 checksum (a digital signature). It is used to verify that the video file has not been altered.

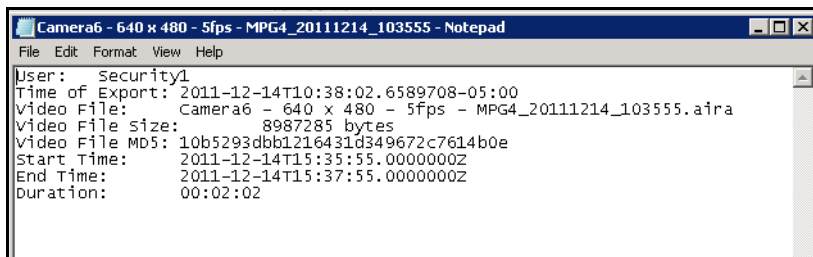


Figure 27. Video Export log file

- To verify the checksum, you must run **md5sum** against the video file and verify that the number matches the value in the log file. See the Aimetis Knowledge Base for instructions: <http://www.aimetis.com/Support/kbarticle.aspx?ID=10086>
5. From the **Split Files at** drop-down list in the **Export Video** dialog box, you can select file size segment: 10, 100, 640, 700, or 2000 MB. You can also enter any value in the field between 2 and 2000 MB.
 - Files are created by default in approximately 640 MB segments.
 - Consecutive files have a timestamp that represents the start of that file.

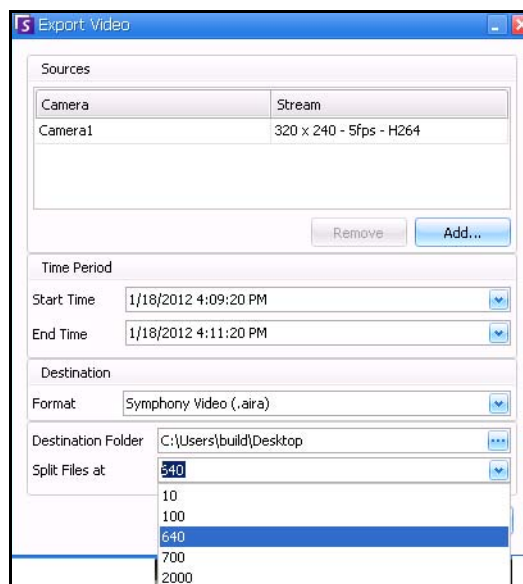


Figure 28. Segment large files using the Split Files at option

Symphony saves the format and destination of your last export within a session.

- Click **Export**. A message is displayed indicating that your file has been saved. You have the option of opening the directory where the video file has been stored.

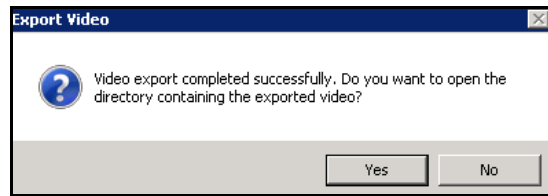


Figure 29. Export Video - successful export message

Video Playlist for Large AVI File Export

When exporting a large file into segments in AVI format, a playlist is created.

Procedure

To launch a playlist:

- Open the M3U file in Windows Media Player. The files play in order, one after another.

Name	Size	Item type
Camera6 - 640 x 480 - 5fps	1 KB	M3U file
Camera6 - 640 x 480 - 5fps_20120116_150824	1 KB	Text Document
Camera6 - 640 x 480 - 5fps_20120116_150936	3,917 KB	Video Clip
Camera6 - 640 x 480 - 5fps_20120116_150936	1 KB	Text Document
Camera6 - 640 x 480 - 5fps_20120116_150824	5,619 KB	Video Clip

Figure 30. Video clips from large video export - M3U file for playlist

- In Library mode in Windows Media Player, you can click Play to view the list of AVI files.

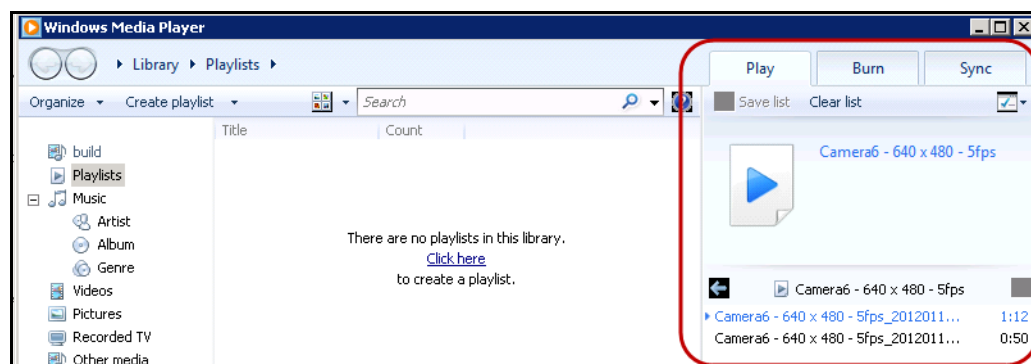


Figure 31. Windows Media Player displaying playlist of vide

Alarm ID, Camera ID, and Keyboard Navigation

In addition to navigating cameras using the Camera Tree or Site Map, Symphony supports navigation by Alarm ID, Camera ID, and keyboard navigation.

Procedure

To navigate cameras:

1. From the **View** menu in the Main Console, select **Go to**. The **Enter Address** dialog box opens. (Selecting F5 on the keyboard also opens this window.)
2. Enter the camera ID or alarm ID and click **OK**.

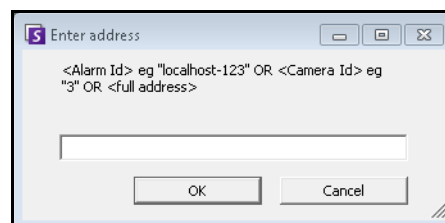


Figure 32. Navigating by Alarm ID or Camera ID

Using PTZ Cameras

When working with PTZ cameras, you can set multiple home positions (for a camera tour), and pan, tilt and zoom right from Symphony Client using a standard keyboard and mouse.

To move the camera you can:

- Use the PTZ navigation controls (PTZ button on the toolbar)
- Left-click the mouse to zoom in on a region and right-click to pan. See [“Using the Mouse to Control a PTZ Camera” on page 99](#).
- Connect a USB joystick to the client PC running Symphony Client. See [“Using a Joystick” on page 100](#).

Using the PTZ Controls

Procedure

To open the control dialog of the dome or PTZ camera:

- Click the **PTZ** toolbar button, or from the **View** menu, select **PTZ Controls**. PTZ Navigation is summarized as follows.
 - The arrows move a dome or PTZ camera up and down, left and right. A fixed camera will be digitally moved (must be digitally zoomed first).
 - The **+/-** allows you to digitally zoom in or out (fixed camera), or optically zoom in and out (dome or PTZ cameras).
 - Clicking the **Home** icon will automatically bring the camera back to its user-defined Home Position.
 - The numbers represent camera tour locations and provide easy navigation.
 - **Lock/Unlock** icons
 - **Rabbit** and **Tortoise** slider controls speed.

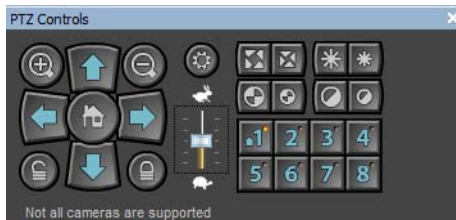


Figure 33. PTZ Camera Controls

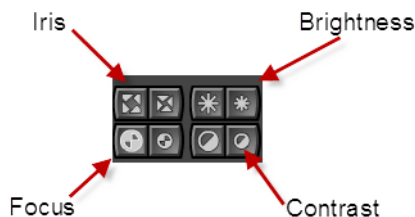


Figure 34. PTZ controls for Iris, Brightness, Focus, and Contrast

Using the Mouse to Control a PTZ Camera

Procedure

To zoom in on an area using your mouse:

1. Left click on the live view to re-center to this position.
2. Drag your mouse around the object you want to zoom on. A green box appears around the area as you drag your mouse.
3. Release the mouse button and the PTZ camera zooms on the area of interest.

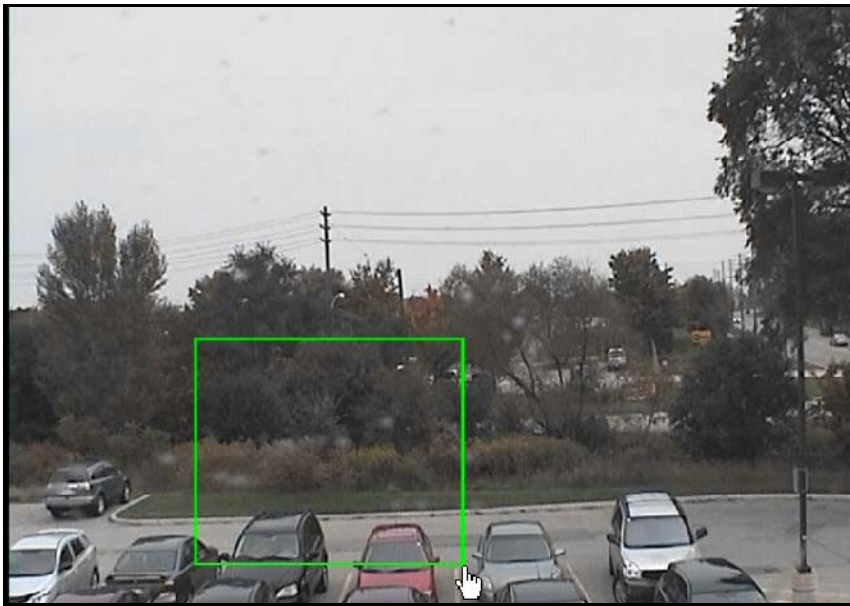


Figure 35. Zooming with mouse

Procedure

To pan using your mouse:

1. Right-click the live view to simulate a joystick control.
2. Drag the mouse in the direction you want to move the camera. A red arrow is drawn on the image.
3. Adjust the length of the line to control speed of the camera.
4. Release the mouse button and the PTZ camera pans to the area of interest.



Figure 36. Panning with mouse

Using a Joystick

1. Connect a USB joystick to the client PC running Symphony Client.
2. From the **View** menu, select **Joystick**.

Advanced Usage Only

1. If the joystick sensitivity is not high enough, edit `%appdata%\Aimetis\acc.ini` and change the following parameters with the default values:

```
[joystick]
maxpan=100
maxtilt=100
maxzoom=100
pollinterval=50
deadzone=20
```

- If response is too sensitive, try lowering the **max** values to 80 or 50.
 - If the PTZ control appears jerky/erratic, decrease the **pollinterval**.
 - If the joystick moves while idle, increase the **deadzone** (between 1 and 100).
2. Save the **acc.ini** and then restart Symphony Client for the changes to take effect.

Camera Tour

Procedure

To set up a camera tour:

1. In the **Camera Tree**, right-click on a PTZ camera. From the context menu, select **Camera Tour**. The **Camera Tour** dialog box opens.

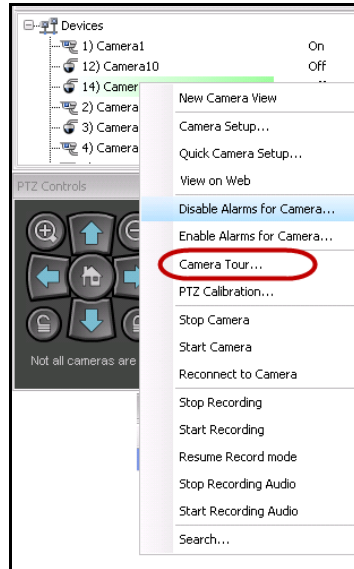


Figure 37. Right-click on PTZ camera - Camera Tour menu option

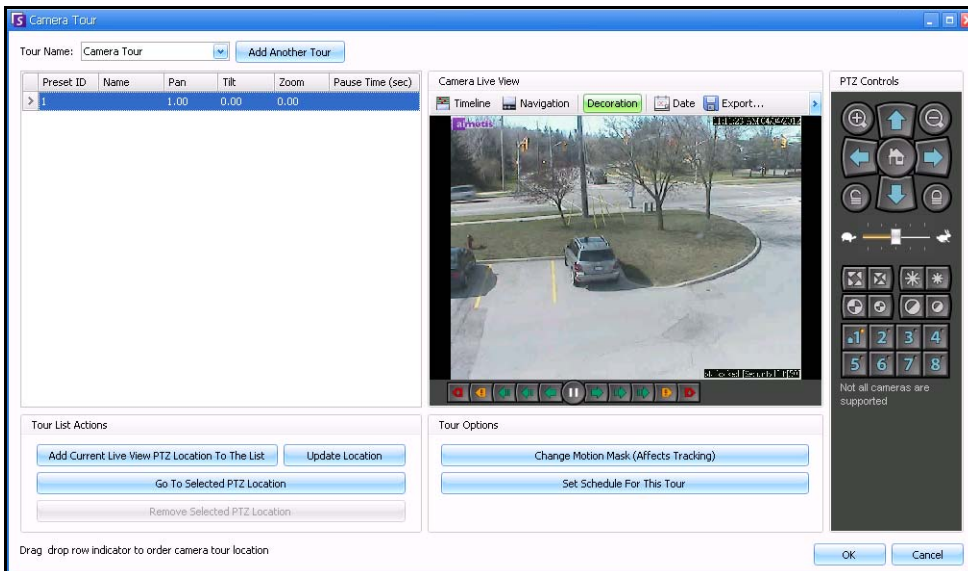


Figure 38. Camera Tour dialog box

- Using the **PTZ Controls**, move the camera to where you want the Home position, and then click **Add Current Live View PTZ Location to the List**. This will be location 1 or Home.

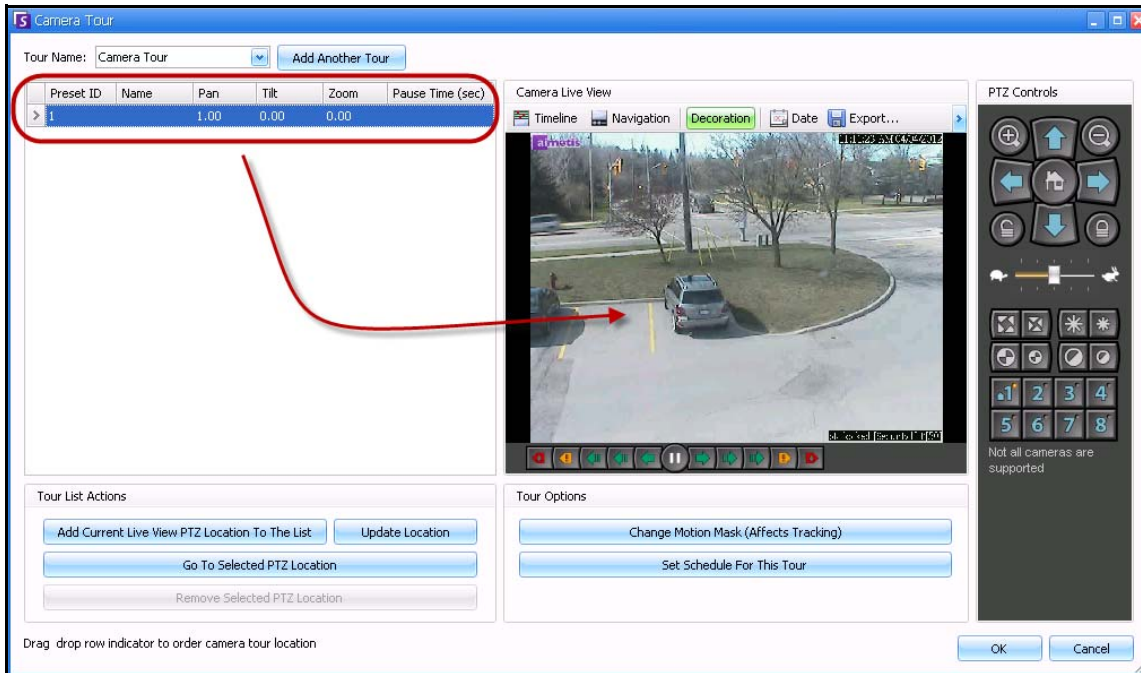


Figure 39. Home position of camera tour

- Using the **PTZ Controls**, move the camera to where you want the second position, and then click **Add Current Live View PTZ Location to the List**. This will be Location 2.

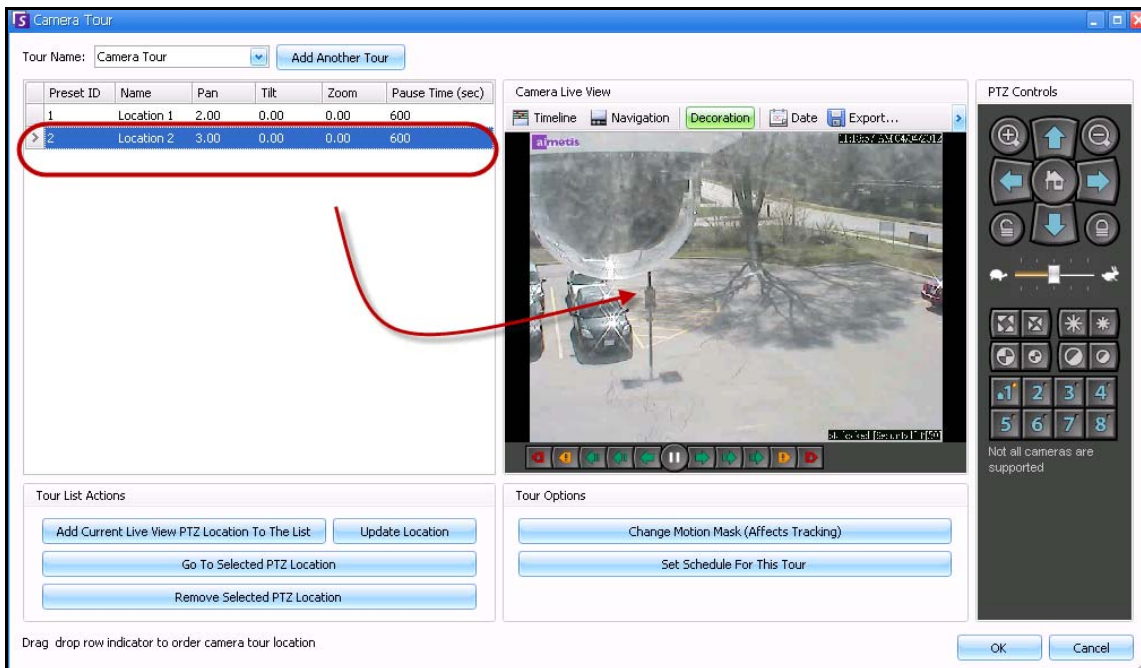


Figure 40. Second position of the tour

- Using the **PTZ Controls**, move the camera to each location you need for a tour, clicking **Add Current Live View PTZ Location to the List** each time. You can set up 8 locations (stops) on the camera tour.

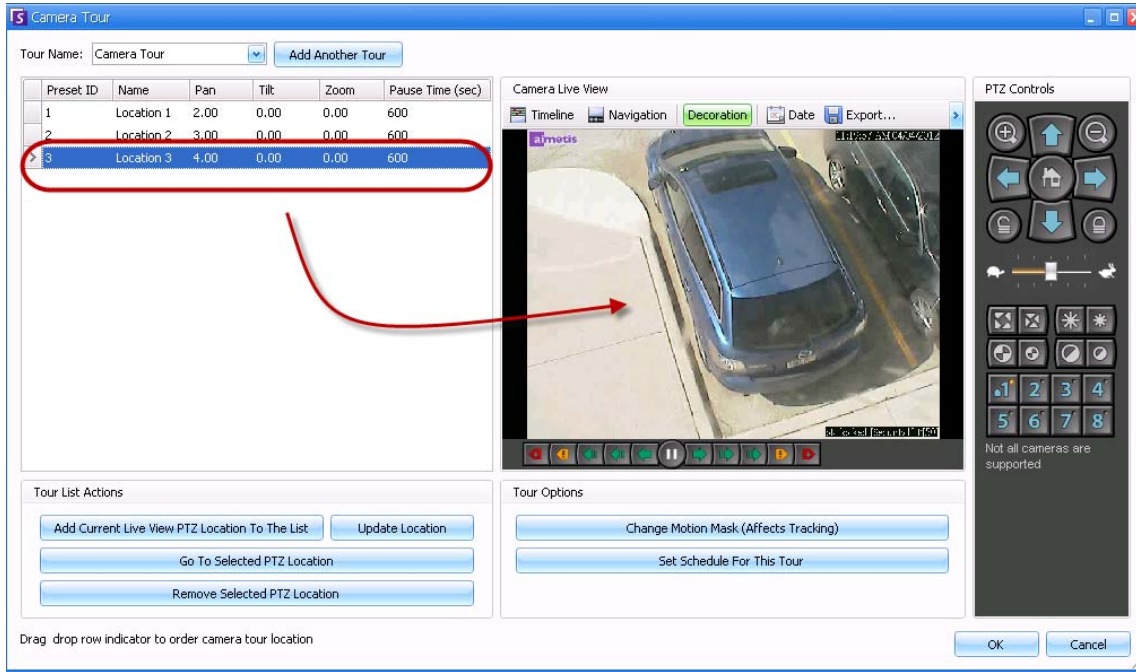


Figure 41. Third position of the tour

- For each location, you can define the amount of time in seconds that the camera pauses in that location. Enter the amount in seconds, for example, for a pause of 10 minutes you enter 600 seconds in the **Pause Time** field.

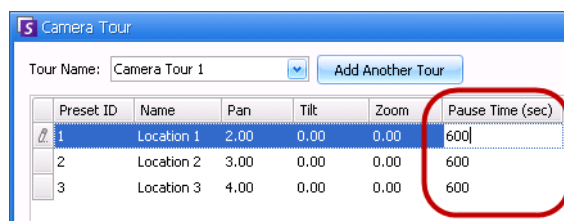


Figure 42. Pause time field editable for each tour location

- You can define a schedule for when the camera tour should be active. Click **Set Schedule for this Tour**. The **Schedule** dialog box opens. By default, the entire date/time chart is red, indicating **Active**.

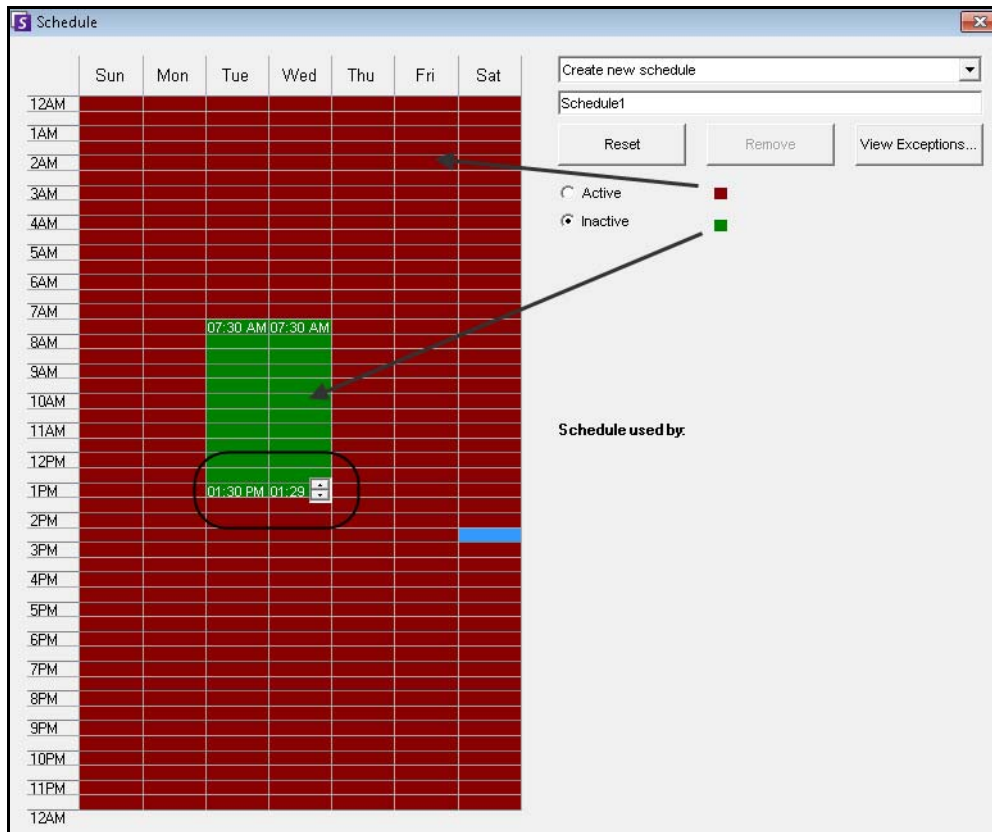


Figure 43. Schedule when camera tour active

7. By default, the **Inactive** option is selected. Using your mouse, click on the date and time intervals you want the Camera Tour to be inactive (green) and click **OK**.
 - You can set tour schedules to per minute ranges. Click on at least two squares in one column. Hover your mouse over the first square or the last square in the column (earliest or latest hour interval). Arrow range buttons appear. Click the arrows to change times to per minute ranges.
8. Make any adjustments as necessary to your tour and click **OK**.

In the main console, with the **PTZ Controls** visible, you can click on the numbers. For example, 1 moves the camera to the Home position (Location 1) on the tour.



Figure 44. Numbers in PTZ Controls represent camera tour positions



Figure 45. Clicking 2 in PTZ Controls moves the camera to Location 2 in the camera tour

Support for AXIS T8310 Surveillance Control Board

You can use the joystick, keypad, and jog dial units of the AXIS T8310 Surveillance Control Board with Symphony. All units interact with the Main View.

- [“Joystick Buttons”](#)
- [“Keypad Buttons” on page 107](#)
- [“Jog Dial” on page 107](#)
- [“Switching Control between Panels” on page 108](#)

Procedure

To access all units in the control board from within Symphony:

- From the **View** menu, select **Joystick**.



The modules do not control Camera View (multiview) or Video Wall.

Joystick Buttons

Table 2. Joystick functions

Button	Live View Mode
J1	Go to Preset ID 1
J2	Go to Preset ID 2
J3	Go to Preset ID 3
J4	Go to Preset ID 4

If PTZ control through joystick is too fast, you can limit the speed by editing the acc.ini file.




1. Edit %appdata%\Aimetis\acc.ini and change the following parameters with the default values:

```
[joystick]
maxpan=100
maxtilt=100
maxzoom=100
pollinterval=100
deadzone=20
```

- maxpan, maxtilt, and maxzoom values can range from 0 to 100
 - pollinterval values are in milliseconds
 - deadzone value is a percentage of physical x, y, and z range
2. If response is too sensitive, try lowering the values.
 3. Save the acc.ini file and restart Symphony Client for the changes to take effect.


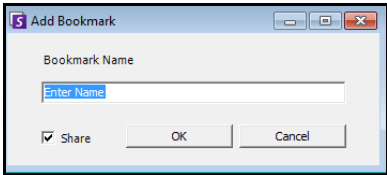



Keypad Buttons

Table 3. Keypad functions

Button	Function	Action
	Starts live video for the current camera.	Enter camera ID and click button.
	Moves PTZ camera in preset pattern.	Enter Preset ID and click button.
	Shows a historical jpeg image for a given time in the current day. (Does not start automatically.)	Enter a time (hhmm) and click button. Example: Enter 1300 and click button. A jpeg image is shown for 13:00 (1:00 pm) for the current day.

Jog Dial

Table 4. Jog Dial functions

Button	Function	Action
	Opens the Add Bookmark dialog box.	Click to add a bookmark.
		
	Shows a jpeg image of the previous foreground activity from the current location in the time line.	Click to go back to previous foreground activity.
	Plays or pauses video.	Click Play/Pause as necessary.
	Shows a jpeg image of the next foreground activity from the current location in the time line.	Click to go forward to next foreground activity.
Outer dial	Changes video speed.	Turn right to play video faster. Turn left to play video at slower rate. Turn to red portion of slide to play video backwards.
Inner dial	Shows a video frame.	Turn clockwise to show next video frame. Turn counterclockwise to show previous video frame.

Switching Control between Panels

The **View** button has four small squares and is located under the **F1** button on the Axis keypad.

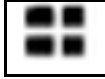


Figure 46. View button on Axis keypad

Procedure

To switch between multi views:

1. On the Axis keypad, enter XYZZZ.
 - X is the monitor number
 - Y is the multiview number
 - Z is the panel number within multiview
2. Click the **View** button. The multiview panel name will now be represented as "Hostname-Mxx-MVyyy-Pzz".

To switch between multi view panels and switch camera displayed in panel:

1. On the Axis keypad, enter XYZZZC.
 - X is the monitor number
 - Y is the multi view number
 - Z is the panel number within multiview
 - C is the camera number
2. Click the **View** button.

To switch control to main Live view panel:

1. On the Axis keypad, enter 0 and click the **View** button.

Quick Find

This tool allows you to search for cameras. The search text you enter can match partly or completely with the Name, Description or ID/Code of the camera. Those additional parameters are configured per camera in the **Device** configuration. The **Quick Find** will look for instances in the selected parameters for a match and the result will display a list of cameras.

Procedure

To open the Quick Find dialog box:

1. From the **View** menu in the Main Console, select **Quick Find**.
2. Click the drop-down arrow next to the **Find** button to reveal all search parameters.
3. Select the check boxes for the parameters you want your search to cover.
4. Click **Find**. A list of possible matches is displayed.

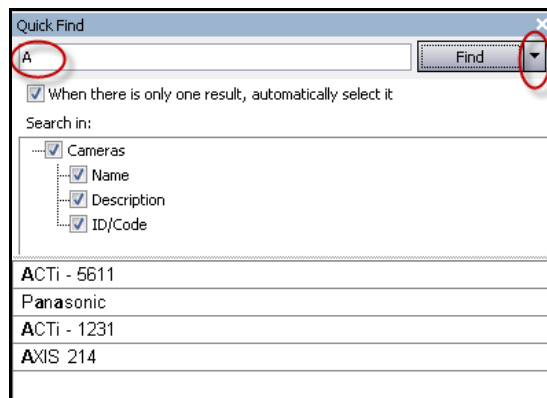


Figure 47. Quick Find dialog box

You can drag and drop results from a **Quick Find** search into any camera panel.

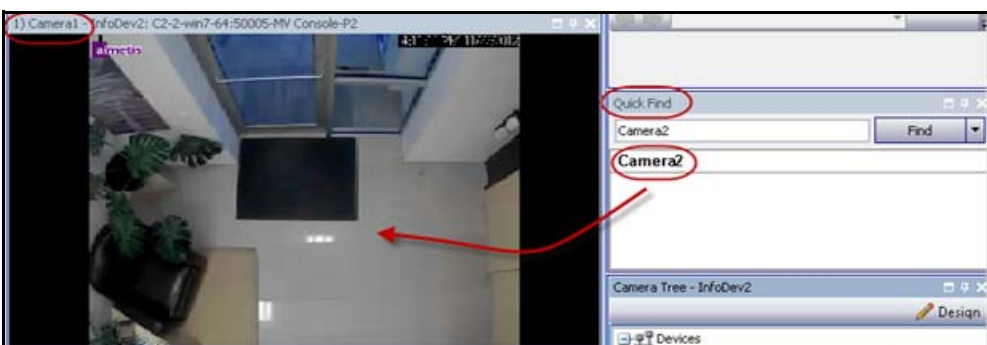


Figure 48. Drag camera from Quick Find search into camera panel

Messenger

This tool allows you to send messages to any user or user group in the system. Anyone who is logged in will see this message as a popup in Symphony Client or at the top of an Internet Explorer page.

Procedure

To use the Messenger tool:

1. From the **View** menu, select **Messenger**. The **Messenger** dialog box opens.
2. Select the users or groups to send the message to.
3. Enter your message in the message box and click **Send**.

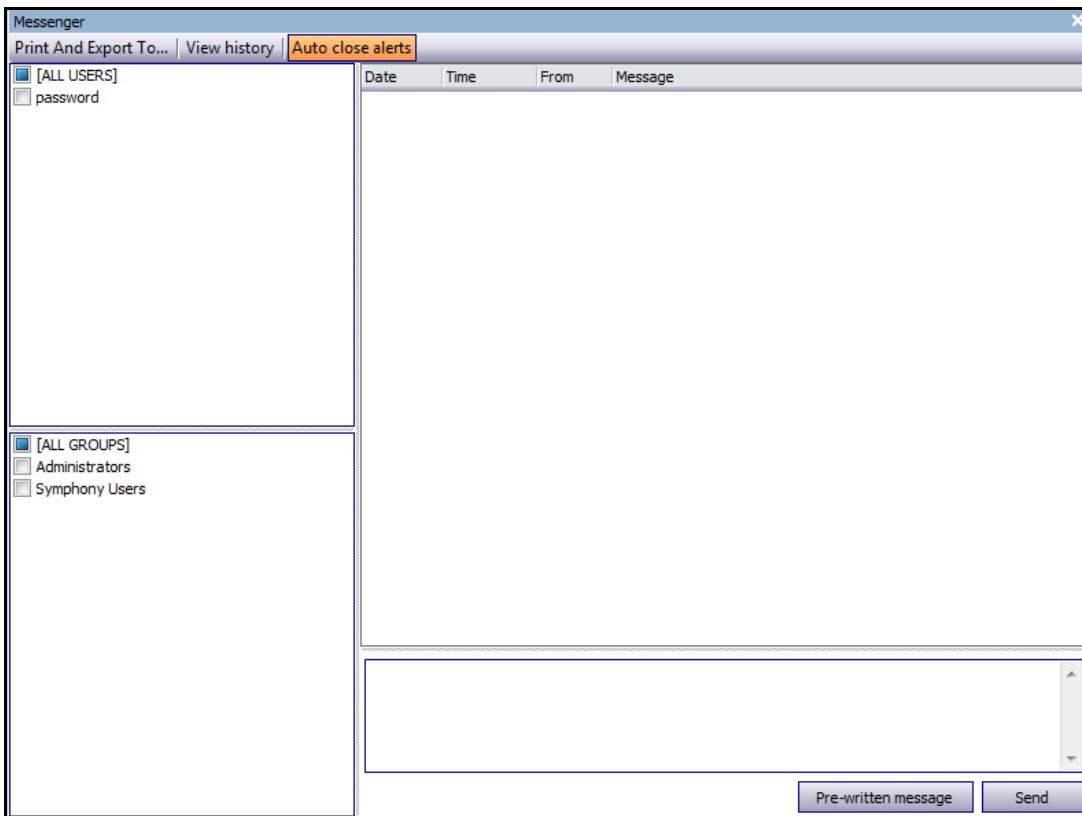


Figure 49. Messenger dialog box

Alarm Console

The **Alarm Console** lets you manually speak or play a sound at a remote Symphony server installation. This is useful when manually responding to an alarm event in real-time, where you may wish to ward off trespassers.

Procedure

To access the Alarm Console:

- From the **Server** menu, select **Alarms Console**.

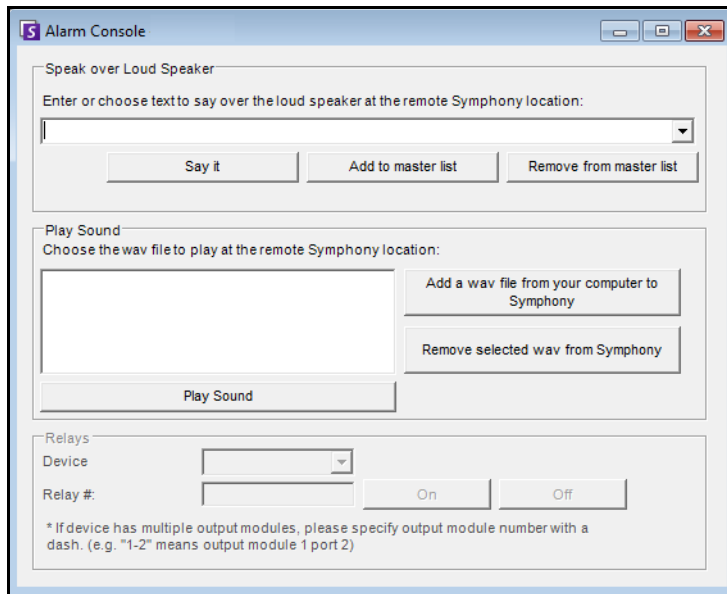


Figure 50. Alarm Console

Feature	Description
Speak over Loud Speaker	You can enter text that will be played at the remote location. The master list is a text file that contains different spoken strings, and it appears in the This is private property field. This content is specific to each installed Symphony Client. If you have multiple people connecting to the Symphony server from different locations, they will each have their own list of things that they can say.
Say it	After entering new text in the Speak over Loud Speaker drop-down box, or selecting existing phrases from the drop-down box, click Say it to play the text at the remote location. Symphony converts the text string into voice at the remote site.
Add to master list	You can add text to the master list, which will be available as an option in the Speak over Loud Speaker drop-down list for future use.
Remove from master list	You can remove stored text from the master list.

Feature	Description
Add a .wav file from your computer to Symphony	Upload a .wav file from your local PC to the Symphony Server.
Play Sound	Symphony will play the sound you have selected in the Play Sound field.
Remove selected .wav from Symphony	Delete a sound file from the Symphony Server.
Relays	It may be useful to manually turn a relay on or off. A siren or other audible alarm can be connected to Relay inputs or outputs, or doors could be opened or closed by triggering a relay. Select the Device and Relay# (number) of the device and click On to turn on the relay or Off to turn off.

Enable or Disable Alarms for Server

Enable

The **Enable Alarms for Server** dialog box allows you to enable all alarms for the currently selected server, if they were previously disabled using the Disable Alarms for Server dialog.

Procedure

To access the Disable Alarms for Server dialog box:

- From the **Server** menu, select **Enable Alarms for Server**.

Disable

The **Disable Alarms for Server** dialog box allows you to disable all alarms for the currently selected server. This is useful in cases where all alarms should be disabled for a period of time on the server. This is faster than manually disabling individual Rules.

Procedure

To access the Disable Alarms for Server dialog:

1. From the **Server** menu, select **Disable Alarms for Server**.
2. Specify the amount of time to disable the alarms for the current server.

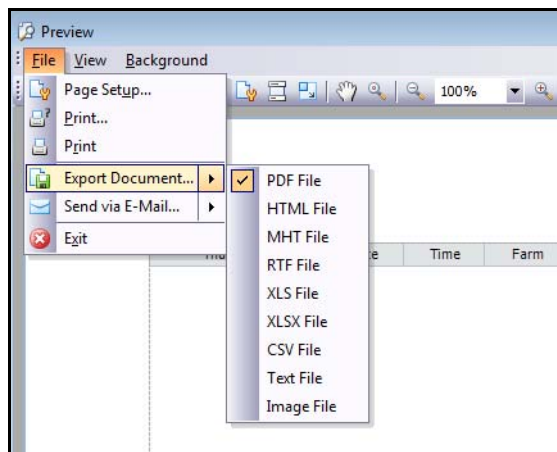
Marking Alarms

The **Alarm Log** dialog box shows a list of alarms for connected servers.

Procedure

To mark an alarm:

1. Right click on the alarm you wish to mark. (Multiple alarms can be marked simultaneously if you select a range of alarms using standard Windows click followed by **Shift**-click or **Ctrl**-click.)
2. Select an action to perform:
 - **Print and Export To** - The **Preview** dialog box opens. You can export to various files types, print the alarm information or send the information via email.



- **Mark As Alarm** - To mark as a real alarm.
 - **Mark as False Alarm** - To mark as a false alarm.
 - **Mark as Real Actionable** - To mark as a real alarm that requires action, for example, security staff should investigate the alarm.
 - **View Alarm Details** -To add comments to the alarm.
 - **Highlight New Alarm** - To automatically select new alarms when raised and switch cameras and show the alarm image in the main view.
3. Click **Save** when finished.

Reports

Symphony comes standard with the following reports.

- **Object Counts Across a line** - Textual report which shows counts across a user definable line per camera
- **Heat Map Image** - Graphical report which overlays traffic patterns on image
- **Object Counts** - Textual report which summarizes in table form object counts across many cameras
- **Object Statistics** - Graphical report which compares object traffic and dwell time
- **Alarm Statistics** - Summary of total alarms and how many are real-actionable, real non-actionable, and false
- **Alarm Report** - A report on each individual alarm

User Permissions

Reports require the following user permissions to execute them:

- Common to all reports - Connect, Execute Report
- Object Counts Across Line - [no other rights]
- Object Counts - [no other rights]
- Object Statistics - [no other rights]
- Alarm Statistics - [no other rights]
- Alarm Report- [no other rights]
- Heat Map - Search

How to Use the Report Manager

1. Read through [“General Procedure for Using the Report Manager” on page 116](#) to get a overview of the process.
2. See the following instructions for specific reports:
 - [“Object Counts Across a Line” on page 125](#)
 - [“Heat Map Image” on page 128](#)
 - [“Object Counts” on page 133](#)
 - [“Object Statistics” on page 134](#)
 - [“Alarm Statistics” on page 135](#)
 - [“Alarm Report” on page 136](#)
 - [“Running a Report from the Web” on page 137](#)
 - [“Creating Two Heat Map Reports to Run from the Web” on page 139](#)

General Procedure for Using the Report Manager

Procedure

To access the Reports dialog:

1. From **Reports** menu, select **Manage**. The **Reports** dialog box opens.

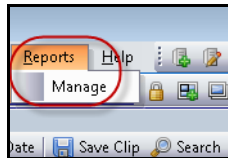


Figure 51. Main menu - Reports>Manage

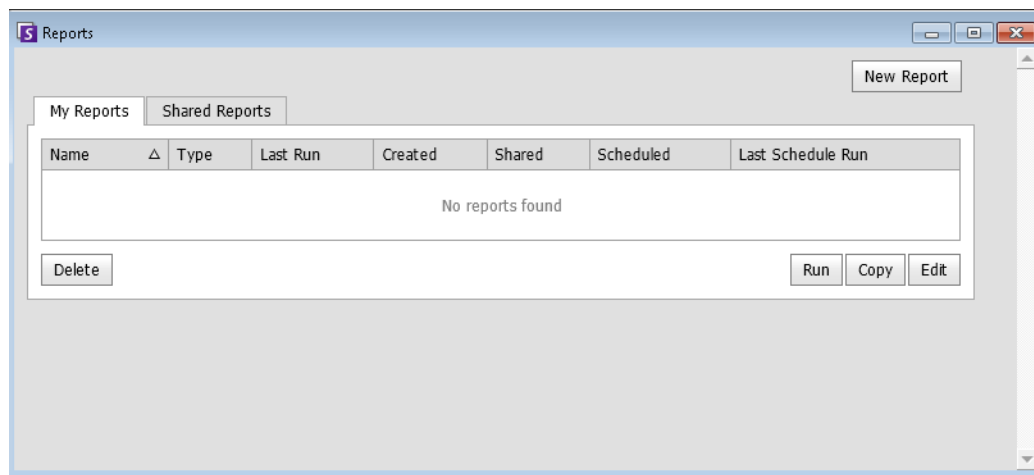


Figure 52. Reports dialog box

- **New Report** - Click New Report to create a new Report.
 - **Edit** - To modify an existing Report, select it on the list and click **Edit**.
 - **Delete** - To delete an existing Report, select it on the list and click **Delete**.
 - **Run** - To generate an existing Report.
 - **Copy** - To copy an existing Report.
 - **Shared Reports** - Denotes whether the Report is accessible for other users or private to the current user.
2. You can design reports by clicking the **New Report** button. The **Report Designer** dialog box opens.
 3. Enter a **Name** for the report and select the **Report Type**. You may also select a **Default View** of **Table** or **Graph**.

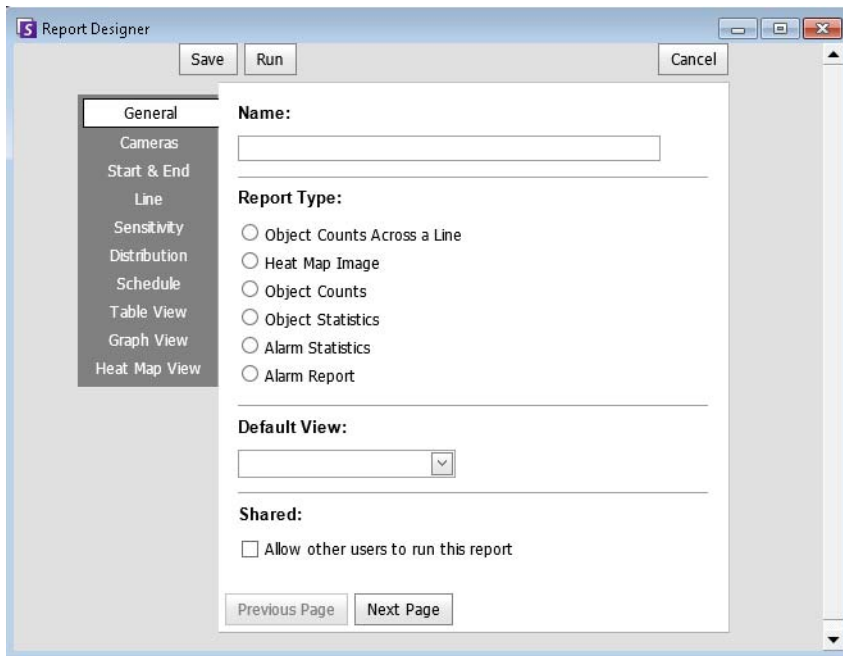


Figure 53. New Report button launches Report Designer

4. All reports (except Heat Map report) allow you to select multiple cameras. You select devices in the **Camera** tab. Click **Add a Camera** and then select one or more cameras from the list.

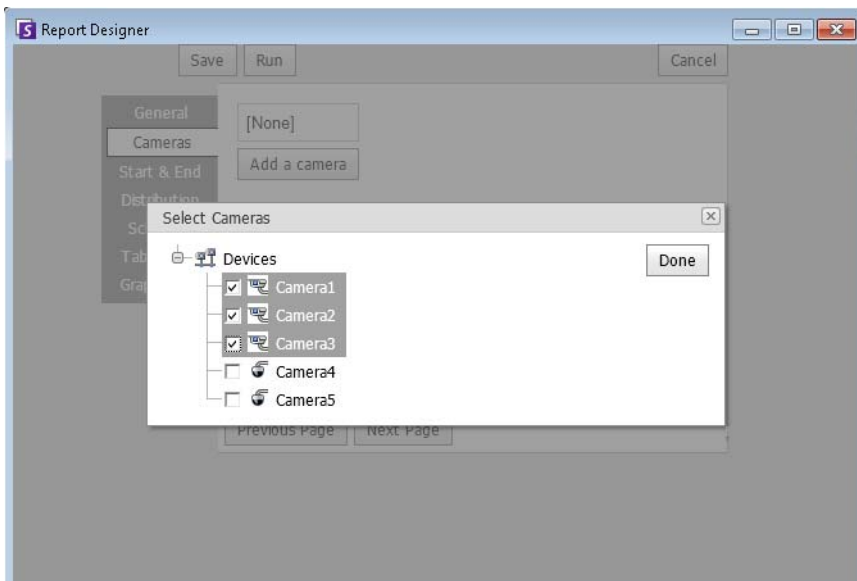


Figure 54. Selecting a device in Report Designer dialog box

5. Dates for reports are selected in **Start** and **End** tab.

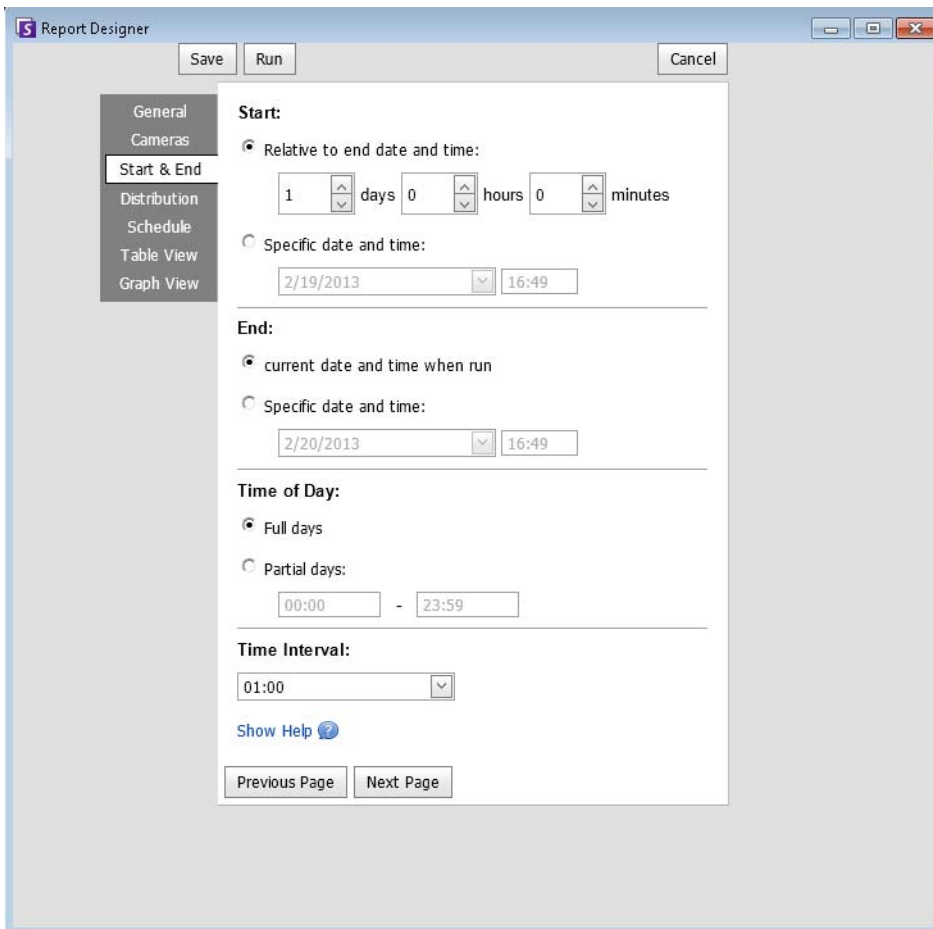


Figure 55. Selecting dates in Report Designer dialog box

6. Select the format and create an email recipient list for the report in the **Distribution> Email** tab. Formats include: PDF, CSV (comma separated document), or XML.

**Note:**

The **Generate Image** option is valid and *displayed only* for **Heat Map** reports.
The **Include Summary Information** option is valid and *displayed only* for **Object Counts Across a Line** reports.

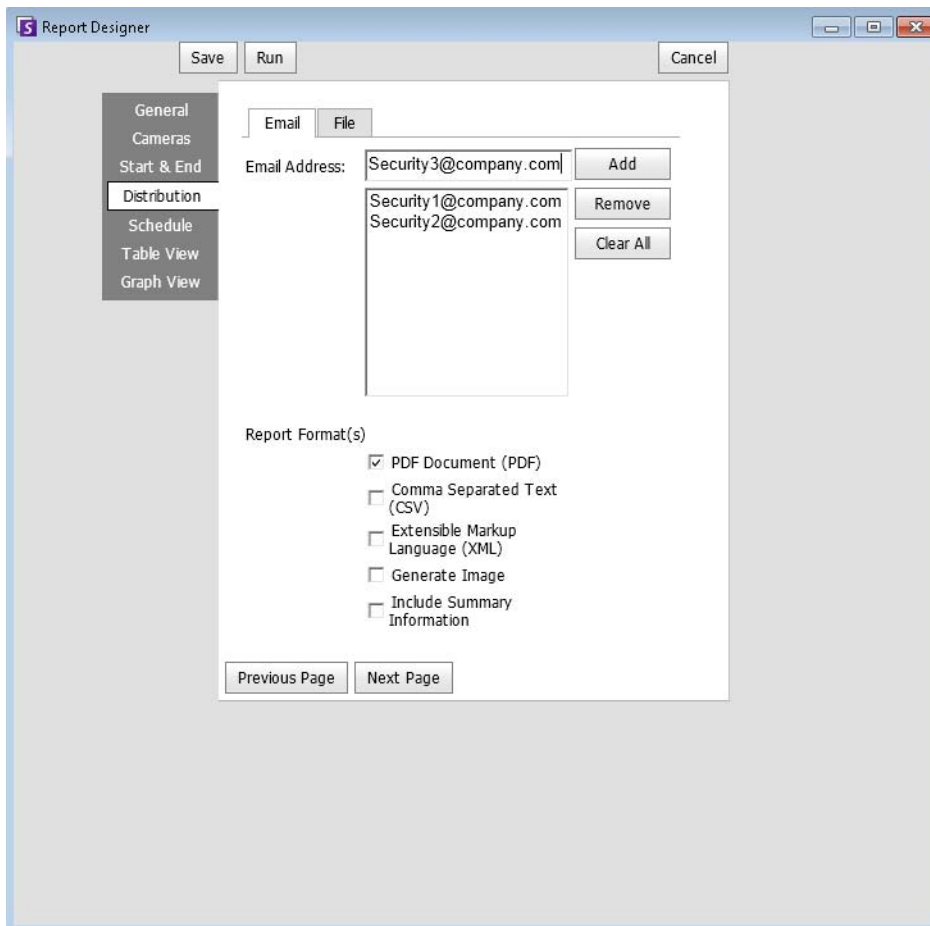


Figure 56. Distribution>Email subtab showing an email list for reports

7. In the **Distribution> File** tab, you can select a file format in which to save the generated report: PDF, a CSV (comma separated document), or as an XML document. You can also select a filename. By default, the filename is configured as ReportName_Year_Month_Day_Minute_Seconds_Milliseconds.

Note:

The **Generate Image** option is valid and *displayed only* for **Heat Map** reports.

The **Include Summary Information** option is valid and *displayed only* for **Object Counts Across a Line** reports.

Depending on write-permissions, the generated report will be stored in the \Data\Reports folder on the master server machine.

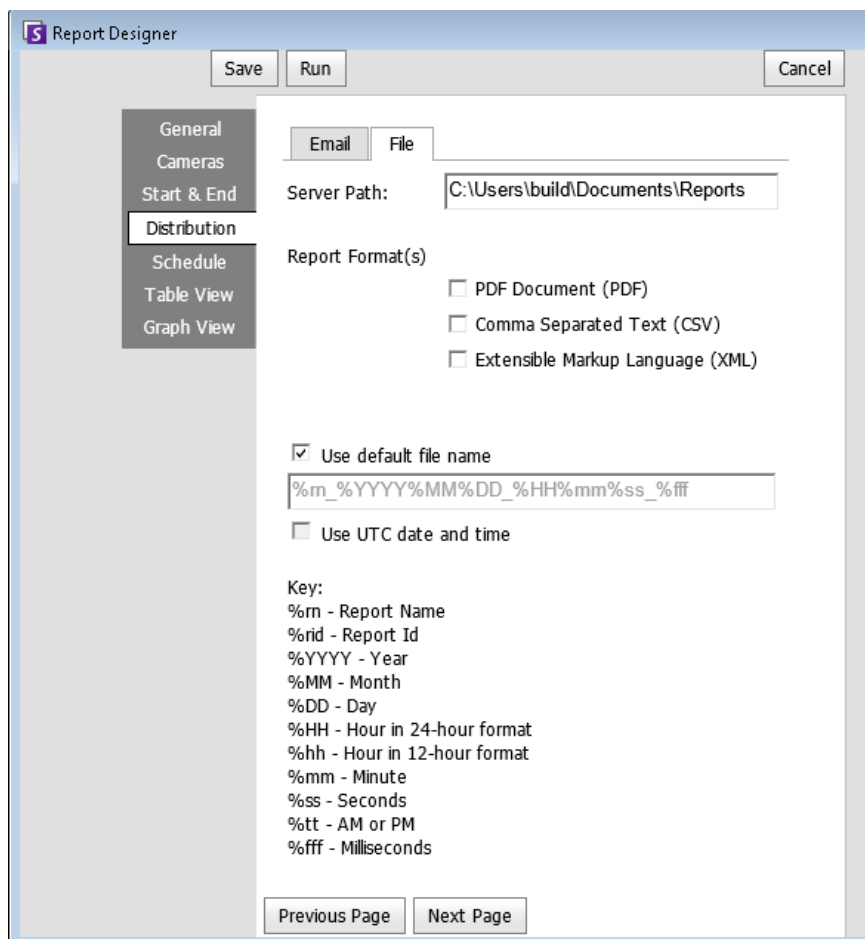


Figure 57. Distribution>File subtab - Format in which generated report to be saved

8. Schedule when reports should be run including the time range of data, the recurrence, and schedule range.

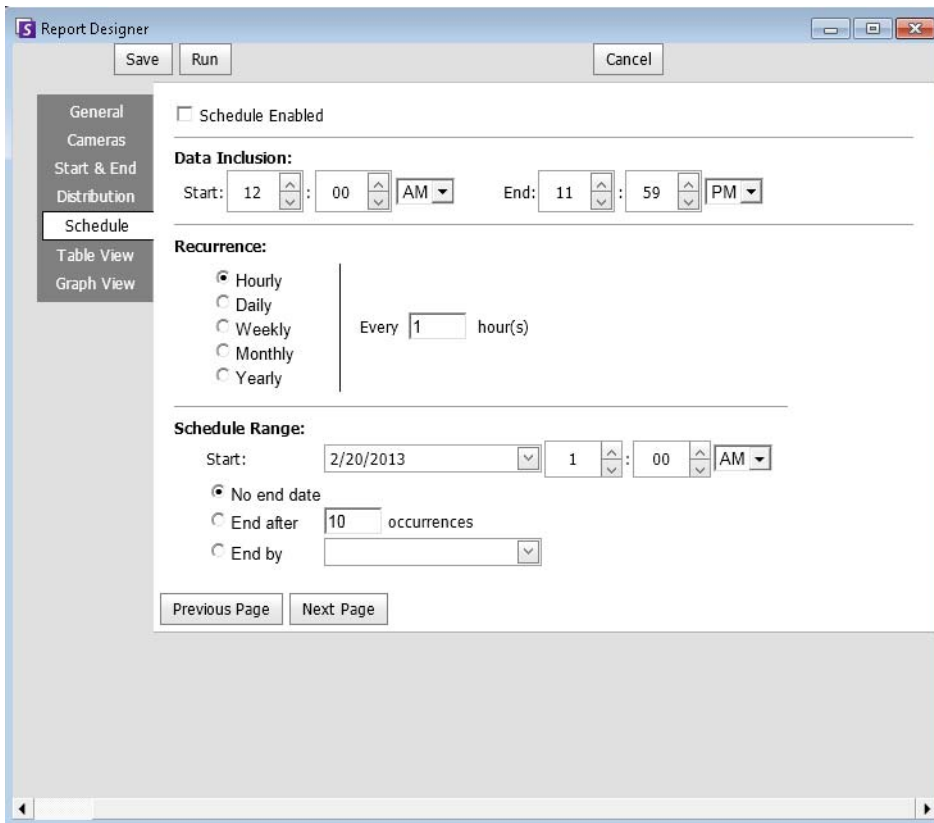


Figure 58. Schedule when reports will be run

9. Click **Run** to generate the report and then click the **Table View** or **Graph View** tabs.

Date	Interval End	Time	Camera	Rule	Analytics Engines	False Alarms	Real Non-Actionable	Real Actionable	Unmarked	Thumbnail
10/5/2010	13:00:00	12:28:48	Camera1	Lost Camera Connection	Intel_VE352	0	0	1	1	
10/5/2010	13:00:00	12:45:05	Camera1	Lost Camera Connection	Intel_VE352	0	0	1	1	
10/5/2010	13:00:00	12:49:47	Camera1	Lost Camera Connection	Intel_VE352	0	0	1	1	

Figure 59. Results of running a report in Table format

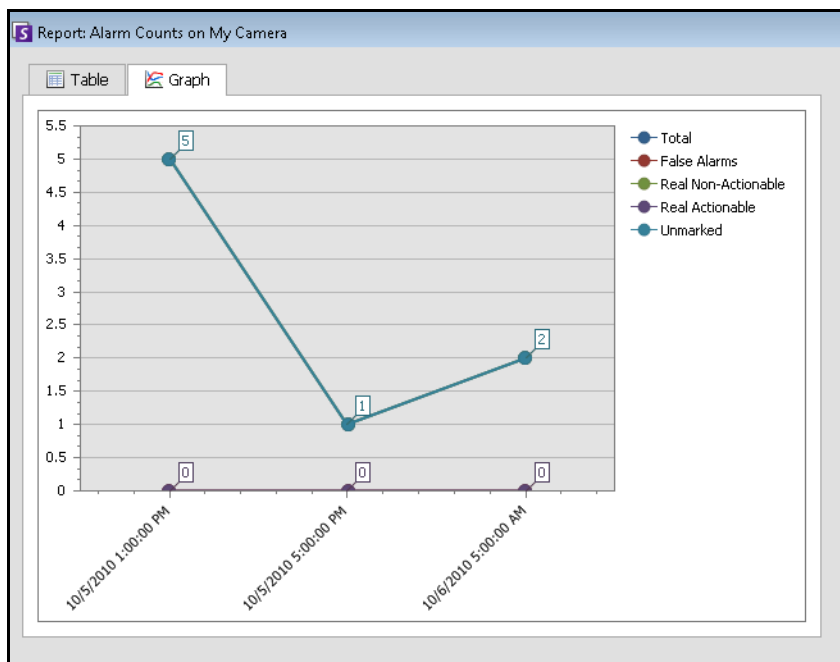


Figure 60. Results of running a report in Graph format

10. In **Table** format, you can export the data to Excel, CSV, PDF, or RTF format. Click the **Table** tab and then **Export to**.

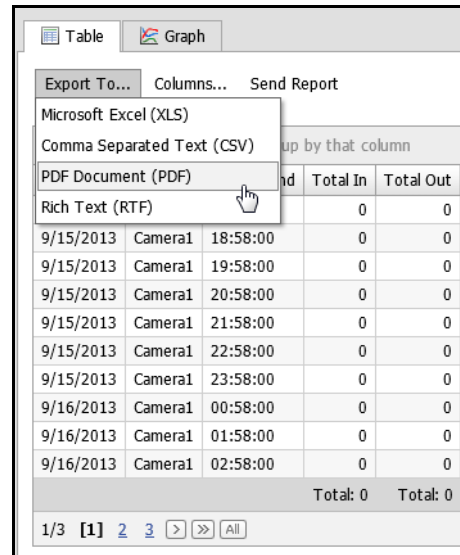


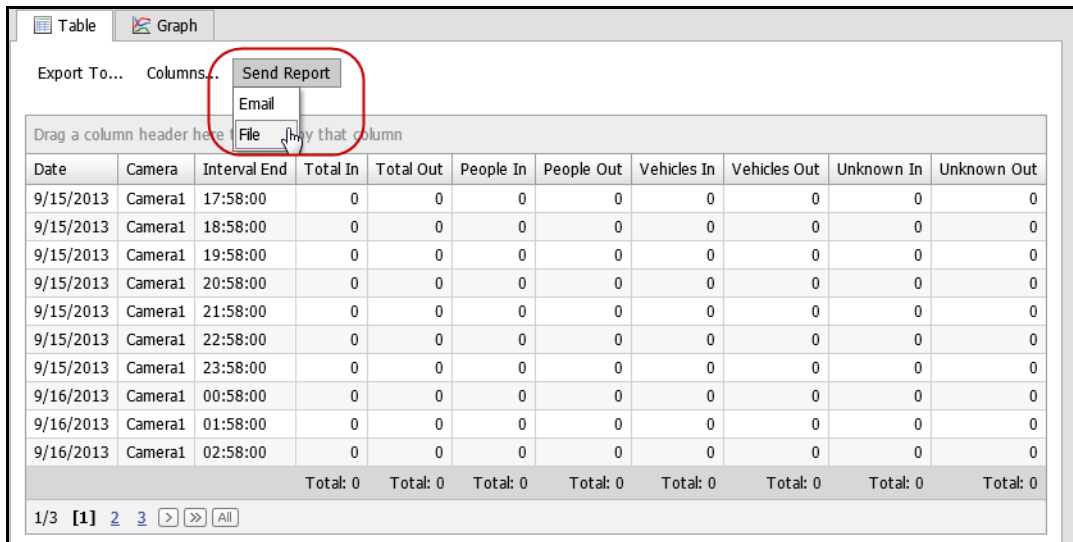
Figure 61. Exporting file type options



Note: The **Export** option saves only tabular data; therefore, it will not include a generated heat map image even if you selected **Generate Image** for the **Heat Map** report in the **Distribution (Email or File)** tab.

11. Using Send Report

- a. To send the generated report to the recipient list you created in the **Distribution>Email** subtab (previously), click **Send Report** and then **Email**.
- b. To save the generated report in the format and in the location you selected in the **Distribution>File** subtab (previously), click **Send Report** and then **File**.



The screenshot shows a software interface with a 'Table' tab selected. At the top, there are buttons for 'Export To...', 'Columns...', and 'Send Report'. The 'Send Report' button is circled in red, and a dropdown menu is open showing 'Email' and 'File' options. Below this is a table with columns: Date, Camera, Interval End, Total In, Total Out, People In, People Out, Vehicles In, Vehicles Out, Unknown In, and Unknown Out. The table contains data for dates from 9/15/2013 to 9/16/2013, all with zero values. At the bottom, there are pagination controls showing '1/3' and 'All'.

Date	Camera	Interval End	Total In	Total Out	People In	People Out	Vehicles In	Vehicles Out	Unknown In	Unknown Out
9/15/2013	Camera1	17:58:00	0	0	0	0	0	0	0	0
9/15/2013	Camera1	18:58:00	0	0	0	0	0	0	0	0
9/15/2013	Camera1	19:58:00	0	0	0	0	0	0	0	0
9/15/2013	Camera1	20:58:00	0	0	0	0	0	0	0	0
9/15/2013	Camera1	21:58:00	0	0	0	0	0	0	0	0
9/15/2013	Camera1	22:58:00	0	0	0	0	0	0	0	0
9/15/2013	Camera1	23:58:00	0	0	0	0	0	0	0	0
9/16/2013	Camera1	00:58:00	0	0	0	0	0	0	0	0
9/16/2013	Camera1	01:58:00	0	0	0	0	0	0	0	0
9/16/2013	Camera1	02:58:00	0	0	0	0	0	0	0	0
			Total: 0	Total: 0	Total: 0	Total: 0	Total: 0	Total: 0	Total: 0	Total: 0

Figure 62. Send Report to Email distribution list or save to File

Note: For Heat Map Reports



If the **Generate Image** option was selected in the **Email Distribution** tab, then when you click **Send Report>Email**, the generated image will be sent.

If the **Generate Image** option was selected in the **File** tab, then when you click **Send Report>File**, the generated image will be saved to C:\Users\Build\Documents\Reports.



Important: If you encounter a problem saving your file, contact your Administrator or consult the Aimetis Symphony Administration Guide. You may not have permission to save files on your machine.

Object Counts Across a Line

This report allows you to generate statistics regarding the number of objects crossing a user defined line.

Procedure

To access the Object Counts Across A Line report:

1. From **Reports** menu, select **Manage**. The **Reports** dialog box opens.
2. Click **New Report**. The **Reports Designer** dialog box opens.
3. From the **General** tab, enter a description for the report in the **Name** field.
4. Under **Report Type**, select the **Objects Counts Across a Line** option.
5. Click **Next Page** or the next option in the vertical tabs list.
6. In the **Cameras** tab, click **Add a Camera** and then select one or more cameras from the list.
7. In the **Start & End** tab, define the start and end time of the report.

Option	Description
Start	Select whether to use a Relative time to execute the report or a specific date and time. For example, if this Report was saved with the intention of running it in the future, selecting a Relative start of 7 days would mean the report start time would be 7 days from each time the report is executed. Using a specific date and time is only useful if this report is intended to be run only once and not in the future.
End	If a Relative time was selected in the Start section, selecting Now would set the report time dynamically to the time the report was run. If a specific data and time was selected it is most likely that a specific date and time for the end of the report is appropriate.
Time of Day	Searching by Full Days will include all 24 hours in a day. In cases where a search should spend multiple days but only a certain period of time per say, Partial days should be selected. For example, we may search across 7 days but only 10:00 - 20:00 each day, to filter out results that happened outside of store hours.
Time Interval	Select the Time Interval to be used in the Report.

8. Click **Next** to open the **Line** tab. From the drop-down list, select a camera and add a line where objects should be counted. Do this for each camera you select. Move the line to where objects should be counted.
 - To extend the line: Click on the background image to create a new line segment from the existing line to the point clicked.
 - To delete a segment: Click the **Delete Segment** button, which removes the last segment. **Delete Segment** will not remove the last (original) line segment to ensure there is at least one line segment for the report.
 - To reshape the line: Hover the mouse over the box segment end-point: the cursor changes to a hand. Click and drag. The cursor changes to a *move shape* icon (arrows) and allows you to drag the vertex.

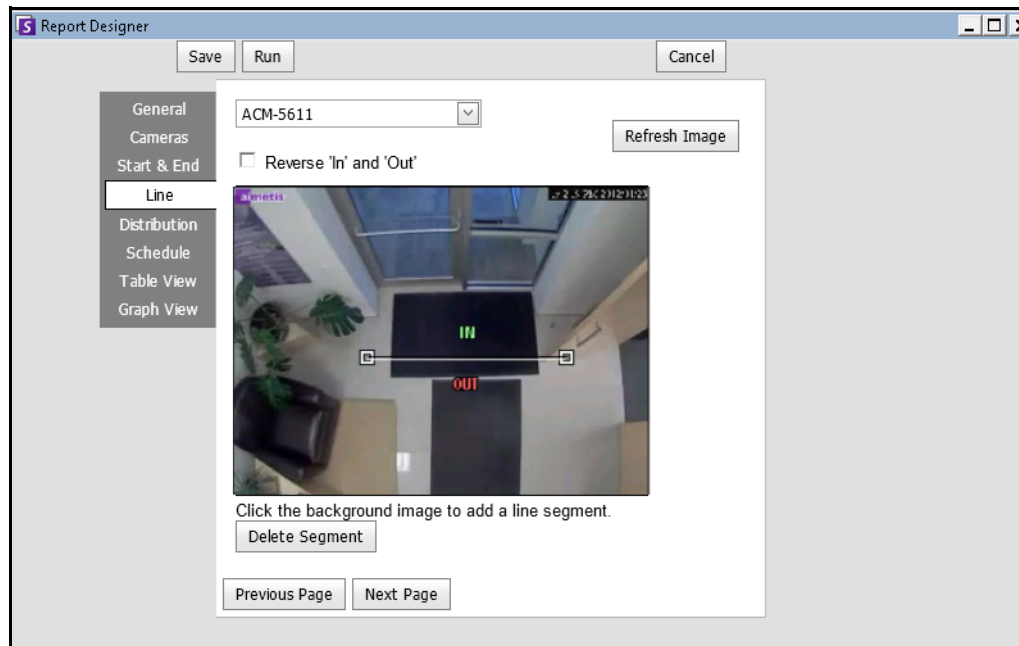


Figure 63. Line tab - extending and shaping the counting line

9. Select the format and create an email recipient list for the report in the **Distribution > Email** tab. Formats include: PDF, CSV (comma separated document), XML, and bitmap image. You can also include **Summary Information** about **Total In** and **Total Out**.
10. Schedule when reports should be run including the time range of data, the recurrence, and schedule range.
11. Click **Next** to continue. On the **Table View** tab, define which columns should be included in the report. Select the **Column** link and drag a column header into top header. This causes information to be grouped by the column category. By default, all available columns are shown in the **Table View** unless manually removed. Click **Next Page** to continue.

Columns...										
Drag a column header here to group by that column										
Date	Camera	Interval End	Total In	Total Out	People In	People Out	Vehicles In	Vehicles Out	Unknown In	Unknown Out
9/16/2013	abc	1:00:00	10	10	10	10	10	10	10	10
9/16/2013	def	2:00:00	20	20	20	20	20	20	20	20
9/16/2013	ghi	3:00:00	30	30	30	30	30	30	30	30

Figure 64. Columns in Report Designer

12. (Optional) Select a **Graph Type**, **Graph Size**, and **Graph Default** (for example, **Total In** or **Total Out** for the **Information Summary**. (Graph Size is the image size of the report graphic).
13. Select **Save** and then **Run** to finish the report.
14. To save the generated report in the format you selected in the **Distribution>File** subtab (previously), click **Send Report** and then **File**.



Important: Depending on write-permissions, the generated report will be stored in the \Data\Reports folder on the master server machine. (This default folder is designated during the initial Symphony installation and setup or can be changed in the **Server Path** field.

Contact your Administrator or consult the Aimetis Symphony Administration Guide.

Heat Map Image

This report allows you to generate a report on the number of objects that were in different parts of the image.



Important: If you have an existing Heat Map report from a Symphony release prior to 6.10.1, the new columns of data may not appear.

To ensure that all columns are displayed:

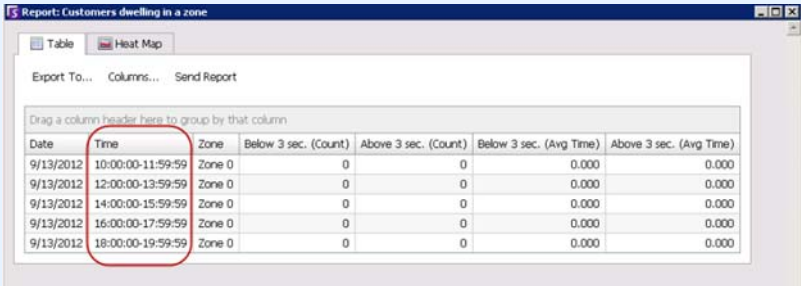
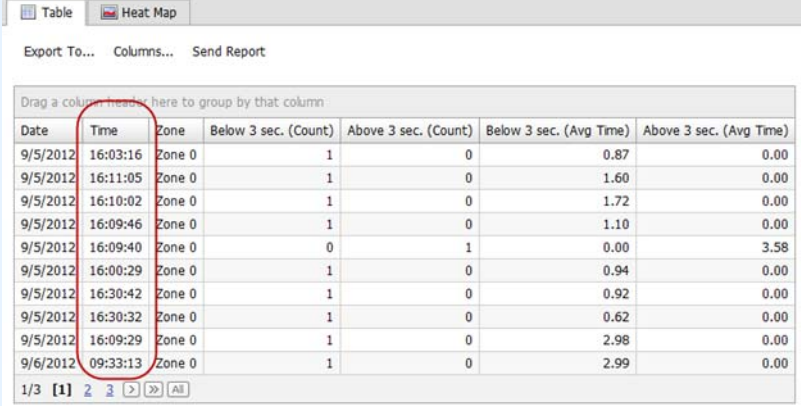
1. Select the report and click **Edit**.
2. Click **Save** to re-save the report in the Report Designer. All columns will be displayed correctly when you run the report.

Procedure

To access the Heat Map Image report:

1. From **Reports** menu, select **Manage**. The **Reports** dialog box opens.
2. Click **New Report**. The **Reports Designer** dialog box opens.
3. From the **General** tab, enter a description for the report in the **Name** field.
4. Under **Report Type**, select the **Heat Map Image** option.
5. In the **Cameras** tab, click **Add a Camera** and then select one or more cameras from the list.
6. In the **Start & End** tab, define the start and end time of the report.

Option	Description
Start	Select whether to use a Relative time to execute the report or a specific date and time. For example, if this Report was saved with the intention of running it in the future, selecting a Relative start of 7 days would mean the report start time would be 7 days from each time the report is executed. Using a specific date and time is only useful if this report is intended to be run only once and not in the future.
End	If a Relative time was selected in the Start section, selecting Now would set the report time dynamically to the time the report was run. If a specific data and time was selected it is most likely that a specific date and time for the end of the report is appropriate.

Option	Description
Time of Day	<p>Searching by Full Days will include all 24 hours in a day. In cases where a search should spend multiple days but only a certain period of time per say, Partial days should be selected. For example, we may search across 7 days but only 10:00 - 20:00 each day, to filter out results that happened outside of store hours.</p>
Time Interval	<p>Sums the total number of objects dwelling in a defined zone and calculates the average dwell times in the zone for that aggregated period.</p> <p>For example, if the data is grouped into two hour segments, the report sums the total number of people occupying the zone and the average time those people dwelled in the zone for each two hour period.</p> <p>Us this for: Aggregate dwell time on Heat Map Report Allows you to collect data hourly (for example) to determine:</p> <ul style="list-style-type: none"> • How many people were dwelling in different zones and the average length of time they were in those zones. • How many people dwelled longer than a pre-defined threshold value. <p>Example Scenario: Collect data hourly on how many people were standing in the breakfast cereal aisle for more than 20 seconds and how long those people, on average, dwelled there.</p> <p>Each block of time in the time range is collected and reported, regardless of whether there was anyone dwelling in the zone in that period.</p>  <p>To see the raw data for the heat map, select the None option in the Time Interval field. The non-aggregated report is similar to the aggregated report in that it shares the same columns. Each row describes the value of a single object through a zone.</p> 

7. Since the **Heat Map Image** report was selected, the **Sensitivity** tab is enabled.

The Sensitivity information actually relates to the **Heat Map View** tab. In the **Heat Map View** tab, you select whether the **Object Paths** or the **Object Dwell Time** will be the default graphic shown when the report is finished.

- **Object Paths** - view by number of objects that have passed through a location
- **Object Dwell Time** – view by total amount of time objects spent at a location

Intersections - Points in the image which more than one path passed through

A range of colors is used to define how many paths passed through a point. This helps you see the most common paths for objects even in an area where there was at least one object at every point. BUT some areas of the image, which you are not interested in, may have an unusually low or high number of intersections. This can cause the range of colors used in other areas to be too small to see meaningful differences.

- Set **Minimum Intersections** to the bottom of the color range. Any area with fewer than this number of intersections will be hidden.
- Set **Maximum Intersections** to the top end of the color range. All areas with more than this number of intersections will be in the same color.

Dwell Time - Shows the paths that objects followed. Dwell time is the length of time an object was found at particular point. Color is used to show the length of dwell time. At points where more than one object passed, the color represents the average of the dwell time for all the objects. But some areas of the image, which you are not interested in, that have unusually low or high dwell time. This would correspond with unusually fast moving objects or almost motionless objects. This can cause the range of colors used in other areas to be too small to see meaningful differences.

- Set **Minimum Dwell Time** to set the bottom of the color range. Any point with an average dwell time less than this number will be hidden.
- Set **Maximum Dwell Time** to set the top end of the color range. All points with an average dwell time above this number will be in the same color.

Dwell Threshold - Allows you to set how many people were dwelling longer than a definable threshold.

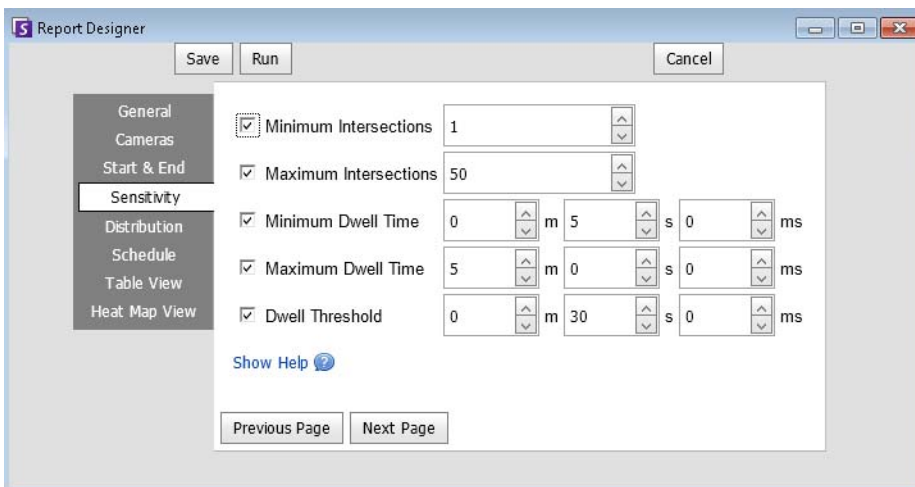


Figure 65. Sensitivity tab

8. Select the format and create an email recipient list for the report in the **Distribution > Email** tab. Formats include: PDF, CSV (comma separated document), XML, and bitmap image.
9. Schedule when reports should be run including the time range of data, the recurrence, and schedule range.
10. On the **Table View** tab, define which columns should be included in the report. Select the **Column** link and drag a column header into top header. This causes information to be grouped by the column category. By default, all available column are shown in the **Table View** unless manually removed. Click **Next** to continue.
11. In the **Heat Map View** tab, define if the **Object Paths** or the **Object Dwell Time** will be the default graphic shown when the report is finished.
 - **Object Paths** - view by number of objects that have passed through a location
 - **Object Dwell Time** – view by total amount of time objects spent at a location
12. Click **Add Zone** each time a specific area in the scene is to be included in the report.
 - a. Click the **Zone** name, such as **Zone 0** to edit the name of the box
 - b. Click **Update** to save changes.
 - c. (Optional) To delete a zone, click the zone name (for example, click on the name **Zone 0**) and click the **Remove Zone** button.

Image size and selection

- If the image is too large, select the **Resize image for screen resolution** check box. (If the image does not fit to the screen resolution, the check box will be displayed regardless of whether the window is maximized.)
- If you prefer another image, click **Select Different Image**. Click anywhere on the Timeline to select a new image.

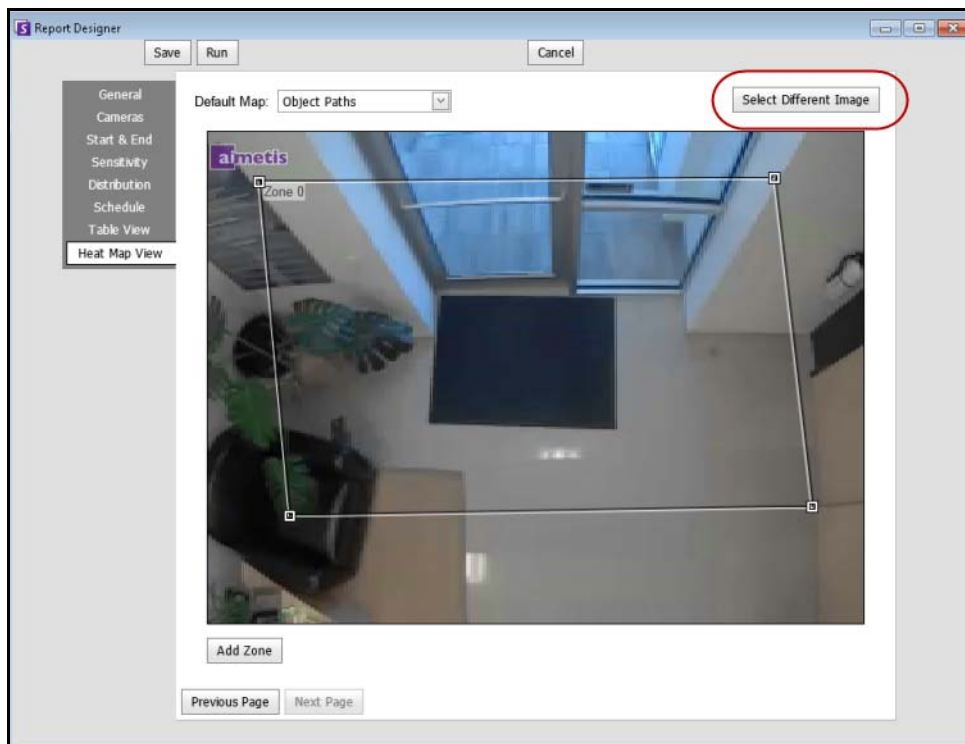


Figure 66. Select Different Image button

Ensure that camera is recording in order to select different image from the Timeline.

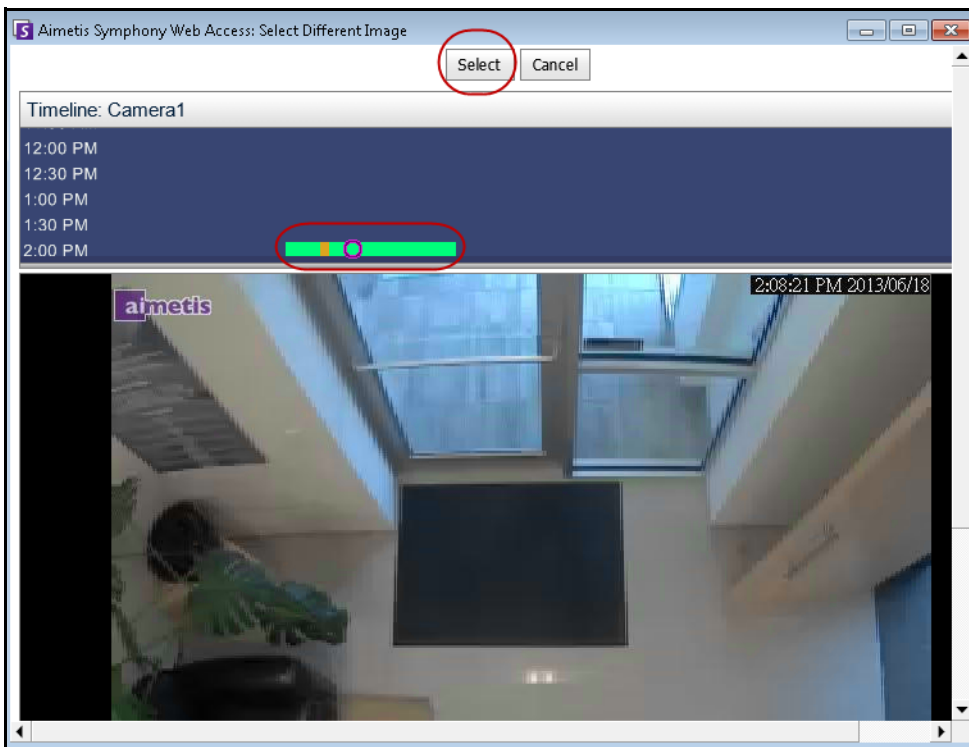


Figure 67. Select a new image from the timeline

13. Select **Save** and then **Run** to finish the report. To save the generated report in the format you selected in the **Distribution>File** subtab (previously), click **Send Report** and then **File**

Object Counts

This report allows users to generate a report on the number of objects that were tracked inside the Motion Mask of the camera.

Procedure

To access the Object Counts report:

1. From **Reports** menu, select **Manage**. The **Reports** dialog box opens.
2. Click **New Report**. The **Reports Designer** dialog box opens.
3. From the **General** tab, enter a description for the report in the **Name** field.
4. Under **Report Type**, select the **Object Counts** option.
5. In the **Cameras** tab, click **Add a Camera** and then select one or more cameras from the list.
6. In the **Start & End** tab, define the start and end time of the report.

Option	Description
Start	Select whether to use a Relative time to execute the report or a specific date and time. For example, if this Report was saved with the intention of running it in the future, selecting a Relative start of 7 days would mean the report start time would be 7 days from each time the report is executed. Using a specific date and time is only useful if this report is intended to be run only once and not in the future.
End	If a Relative time was selected in the Start section, selecting Now would set the report time dynamically to the time the report was run. If a specific data and time was selected it is most likely that a specific date and time for the end of the report is appropriate.
Time of Day	Searching by Full Days will include all 24 hours in a day. In cases where a search should spend multiple days but only a certain period of time per say, Partial days should be selected. For example, we may search across 7 days but only 10:00 - 20:00 each day, to filter out results that happened outside of store hours.
Time Interval	Select the Time Interval to be used in the Report.

7. Select the format and create an email recipient list for the report in the **Distribution> Email** tab. Formats include: PDF, CSV (comma separated document), XML, and bitmap image.
8. Schedule when reports should be run including the time range of data, the recurrence, and schedule range.
9. On the **Table View** tab, define which columns should be included in the report. Select the **Column** link and drag a column header into top header. This causes information to be grouped by the column category. By default, all available column are shown in the **Table View** unless manually removed. Click **Next** to continue.
10. Define **Graph Type** and the **Graph Size** (the Graph Size is the image size of the report graphic).
11. Select **Save** and then **Run** to finish the report.
12. After the report is run, select the **Table** tab to Export the data if necessary to Excel, CSV, PDF, or RTF format. To save the generated report in the format you selected in the **Distribution>File** subtab (previously), click **Send Report** and then **File**

Object Statistics

This report allows users to generate a report on the number of objects that were in different parts of the image.

Procedure

To access the Object Statistics report:

1. From **Reports** menu, select **Manage**. The **Reports** dialog box opens.
2. Click **New Report**. The **Reports Designer** dialog box opens.
3. From the **General** tab, enter a description for the report in the **Name** field.
4. Under **Report Type**, select the **Object Statistics** option.
5. In the **Cameras** tab, click **Add a Camera** and then select one or more cameras from the list.
6. In the **Start & End** tab, define the start and end time of the report.

Option	Description
Start	Select whether to use a Relative time to execute the report or a specific date and time. For example, if this Report was saved with the intention of running it in the future, selecting a Relative start of 7 days would mean the report start time would be 7 days from each time the report is executed. Using a specific date and time is only useful if this report is intended to be run only once and not in the future.
End	If a Relative time was selected in the Start section, selecting Now would set the report time dynamically to the time the report was run. If a specific data and time was selected it is most likely that a specific date and time for the end of the report is appropriate.
Time of Day	Searching by Full Days will include all 24 hours in a day. In cases where a search should spend multiple days but only a certain period of time per say, Partial days should be selected. For example, we may search across 7 days but only 10:00 - 20:00 each day, to filter out results that happened outside of store hours.
Time Interval	Select the Time Interval to be used in the Report.

7. Select the format and create an email recipient list for the report in the **Distribution> Email** tab. Formats include: PDF, CSV (comma separated document), XML, and bitmap image.
8. Schedule when reports should be run including the time range of data, the recurrence, and schedule range.
9. On the **Table View** tab, define which columns should be included in the report. Select the **Column** link and drag a column header into top header. This causes information to be grouped by the column category. By default, all available column are shown in the **Table View** unless manually removed. Click **Next** to continue.
10. Define **Graph Type** and the **Graph Size** (the Graph Size is the image size of the report graphic).
11. Select **Save** and then **Run** to finish the report. To save the generated report in the format you selected in the **Distribution>File** subtab (previously), click **Send Report** and then **File**

Alarm Statistics

Allows you to generate a summary (for example, per hour) of total alarms and how many are real-actionable, real non-actionable, and false. Can include Server Farm name, Date, Interval End, and number of Unmarked alarms.

Procedure

To access the Alarm Statistics report:

1. From **Reports** menu, select **Manage**. The **Reports** dialog box opens.
2. Click **New Report**. The **Reports Designer** dialog box opens.
3. From the **General** tab, enter a description for the report in the **Name** field.
4. Under **Report Type**, select the **Alarm Statistics** option.
5. In the **Cameras** tab, click **Add a Camera** and then select one or more cameras from the list.
6. In the **Start & End** tab, define the start and end time of the report.

Option	Description
Start	Select whether to use a Relative time to execute the report or a specific date and time. For example, if this Report was saved with the intention of running it in the future, selecting a Relative start of 7 days would mean the report start time would be 7 days from each time the report is executed. Using a specific date and time is only useful if this report is intended to be run only once and not in the future.
End	If a Relative time was selected in the Start section, selecting Now would set the report time dynamically to the time the report was run. If a specific data and time was selected it is most likely that a specific date and time for the end of the report is appropriate.
Time of Day	Searching by Full Days will include all 24 hours in a day. In cases where a search should spend multiple days but only a certain period of time per say, Partial days should be selected. For example, we may search across 7 days but only 10:00 - 20:00 each day, to filter out results that happened outside of store hours.
Time Interval	Select the Time Interval to be used in the Report.

7. Select the format and create an email recipient list for the report in the **Distribution> Email** tab. Formats include: PDF, CSV (comma separated document), XML, and bitmap image.
8. Schedule when reports should be run including the time range of data, the recurrence, and schedule range.
9. On the **Table View** tab, define which columns should be included in the report. Select the **Column** link and drag a column header into top header. This causes information to be grouped by the column category. By default, all available column are shown in the **Table View** unless manually removed. Click **Next** to continue.
10. Define **Graph Type** and the **Graph Size** (the Graph Size is the image size of the report graphic).
11. Select **Save** and then **Run** to finish the report. To save the generated report in the format you selected in the **Distribution>File** subtab (previously), click **Send Report** and then **File**.

Alarm Report

Allows you to generate a report on each individual alarm. Can include Date, Time, Rule, Analytic Engine, User, Alarm, Alarm Comments and a thumbnail image of the alarm.

Procedure

To access the Alarm Report:

1. From **Reports** menu, select **Manage**. The **Reports** dialog box opens.
2. Click **New Report**. The **Reports Designer** dialog box opens.
3. From the **General** tab, enter a description for the report in the **Name** field.
4. Under **Report Type**, select the **Alarm Report** option.
5. In the **Cameras** tab, click **Add a Camera** and then select one or more cameras from the list.
6. In the **Start & End** tab, define the start and end time of the report.

Option	Description
Start	Select whether to use a Relative time to execute the report or a specific date and time. For example, if this Report was saved with the intention of running it in the future, selecting a Relative start of 7 days would mean the report start time would be 7 days from each time the report is executed. Using a specific date and time is only useful if this report is intended to be run only once and not in the future.
End	If a Relative time was selected in the Start section, selecting Now would set the report time dynamically to the time the report was run. If a specific data and time was selected it is most likely that a specific date and time for the end of the report is appropriate.
Time of Day	Searching by Full Days will include all 24 hours in a day. In cases where a search should spend multiple days but only a certain period of time per say, Partial days should be selected. For example, we may search across 7 days but only 10:00 - 20:00 each day, to filter out results that happened outside of store hours.

7. Select the format and create an email recipient list for the report in the **Distribution> Email** tab. Formats include: PDF, CSV (comma separated document), XML, and bitmap image.
8. Schedule when reports should be run including the time range of data, the recurrence, and schedule range.
9. On the **Table View** tab, define which columns should be included in the report. Select the **Column** link and drag a column header into top header. This causes information to be grouped by the column category. By default, all available column are shown in the **Table View** unless manually removed. Click **Next** to continue.
10. Select **Save** and then **Run** to finish the report. To save the generated report in the format you selected in the **Distribution>File** subtab (previously), click **Send Report** and then **File**.

Running a Report from the Web

Aimetis Symphony includes a web interface. Each server has its own web interface. The web interface is designed to mimic the windows rich client (Symphony Client) as much as possible.

If the **Camera Tree** contains more than 100 devices, the Web Client shows video from cameras as separate pages, navigated by forward and back buttons.

All core features such as Alarm Log, Timeline, Reporting and live video streaming are included.



Important: To view a Heat Map report for both **Object Paths** and **Object Dwell Times**, you must first create 2 reports in Symphony Client. See [“Creating Two Heat Map Reports to Run from the Web”](#) on page 139.

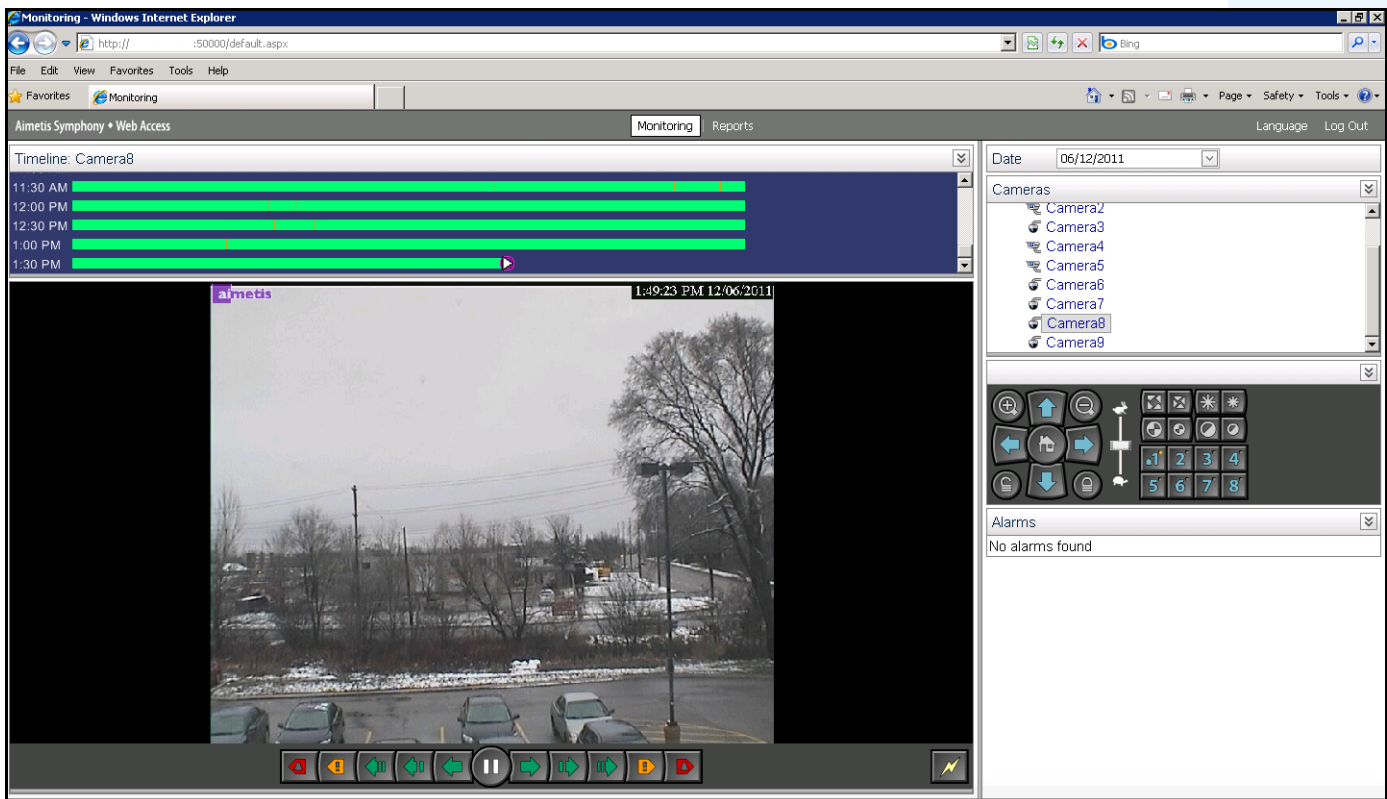


Figure 68. Aimetis Symphony Web Access

Procedure

How to run reports from the Web:

Task 1: Access the web interface:

1. Navigate to **http://SERVERNAME:50000** (where SERVERNAME can be your windows hostname or the IP address of the server).
2. Log in.



Figure 69. Web Login

Task 2: Obtain the report ID:

1. Click the **Reports** link.
2. Select the report you want to run and click **Edit**. Notice that the report ID appears in the URL displayed in your Web Browser. Remember the ID.

Task 3: Prepare the report URL:

1. Enter this URL
http://SERVERNAME:50000/Reports/ReportOutput.aspx?username=<name>&password=<password>&report=<reportID> where
 - SERVERNAME is the name of host running the Symphony server or IP address of the server
 - <username> is the username you used to log into Aimetis Symphony web version Task 1, step 2
 - <password> is the password you used to log into Aimetis Symphony web version Task 1, step 2
 - <report ID> is the ID you obtained in Task 2, step 2
2. Depending on the type of output you want, append one of the following format variables to the URL:
 - XLS - **&format=XLS**
 - CVS - **&format=CVS**
 - PDF - **&format=PDF**
 - RTF (rich text format) - **&format=RTF**



Note: A heat map or graph is output as a bitmap image (.bmp).

Task 4: Invoke the URL in the command line:

Use a command line program to invoke the URL to output the report. You can use a program such as CURL (<http://curl.haxx.se/download.html>)

1. For example, in the command line, enter:

```
curl -L -O <URL>, where <URL> is the URL specified in Task 3  
(<http://SERVERNAME:50000/Reports/ReportOutput.aspx?username=<name>&password=<password>&report=<reportID>
```
2. The script runs and the corresponding file is saved locally. You can create a batch script to run all the desired reports at once.

Creating Two Heat Map Reports to Run from the Web

To view a **Heat Map Report** for both **Object Paths** and **Object Dwell Times** from the Web, you must first create 2 reports in Symphony Client.

Procedure

How to set up heat map reports to be run from the Web:

1. From **Reports** menu, select **Manage**. The **Reports** dialog box opens.
2. Click **New Report**.
3. Select the **Heat Map Image** option and for convenience, name the first report *Heat Map Object Paths*.
4. Set up the report as you want, but in the Heat Map View screen, ensure that you select **Object Paths** from the **Default Map** drop-down list.
5. Save the map.
6. Create another new **Heat Map Image** report, this time naming it *Heat Map Object Dwell Time*.
7. Set up the report as you want, but in the Heat Map View screen, ensure that you select **Object Dwell Time** from the **Default Map** drop-down list.
8. Save the map.
9. To view the information from the Web, you must run 2 reports. As such you will use the report IDs for the *Heat Map Object Paths* and for *Heat map Object Dwell Time*. Follow the Web instructions “[How to run reports from the Web:](#)” on page 138.

Reporting Issues to Aimetis

You can log issues with Aimetis through the Symphony Client.

Procedure

To report an issue:

1. From **Help** menu, select **Report an Issue**. The Aimetis Symphony **Error Report** dialog box opens.

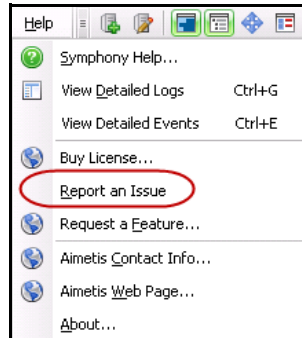
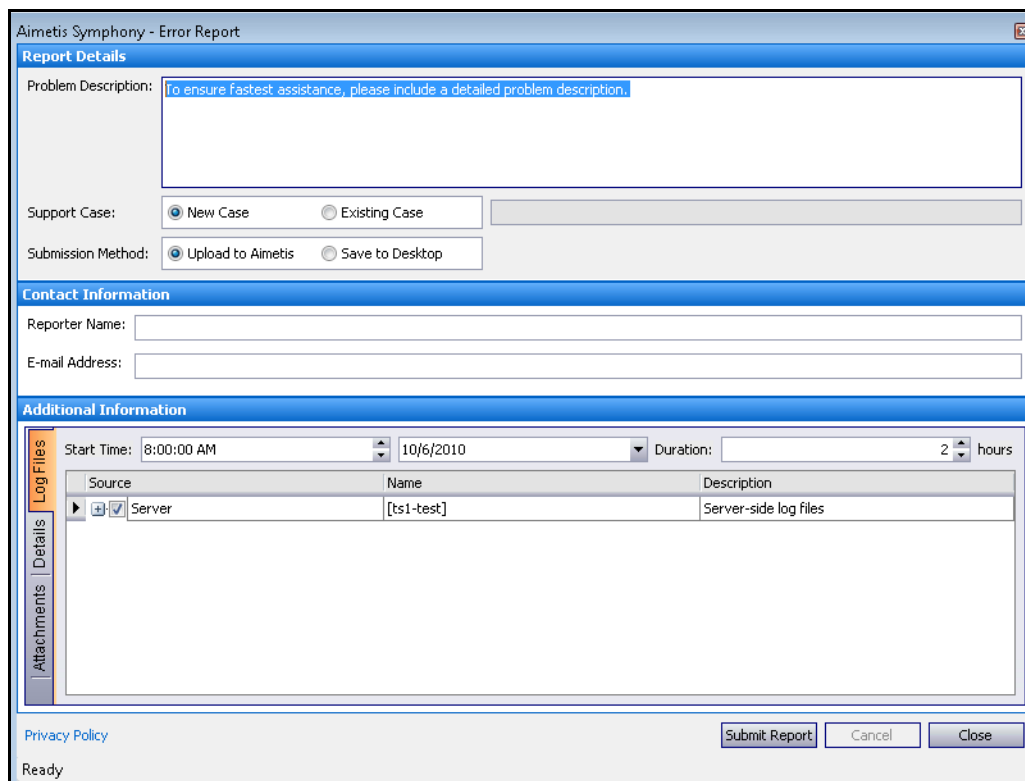


Figure 70. Main menu - Help>Report an Issue

2. Enter details and then click **Submit Report**.

A screenshot of the 'Aimetis Symphony - Error Report' dialog box. The dialog is divided into several sections: 'Report Details' with a text area for 'Problem Description' and radio buttons for 'Support Case' (New Case selected) and 'Submission Method' (Upload to Aimetis selected); 'Contact Information' with text boxes for 'Reporter Name' and 'E-mail Address'; and 'Additional Information' with a table for log files. The table has columns for 'Source', 'Name', and 'Description'. A table with 3 columns: Source, Name, Description. Row 1: [ts1-test], Server-side log files. At the bottom are 'Submit Report', 'Cancel', and 'Close' buttons. A 'Privacy Policy' link is also visible.

Source	Name	Description
[ts1-test]	Server	Server-side log files

Figure 71. Aimetis Symphony Error Report dialog box

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