CompleteView™
Web Client User Manual

CompleteView Version 4.3

SALIENT SYSTEMS

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Introduction

System Requirements

Minimum Software Requirements

> Microsoft Windows XP / Vista / 7
> Supported Web Browser

Minimum Hardware Requirements

> Intel Pentium 4 CPU, 2.0 Gigahertz (GHz) or faster.
> 1GB of system memory.
> Connection to a TCP/IP network.
> A graphics accelerator with a minimum of 128MB of video memory and capable of displaying
> 1024x768 resolution in TrueColor (32-bit).

Supported Web Browsers

CompleteView version 3.8.1 and higher supports:
1. Mozilla Foxfire
2. Google Chrome
3. Microsoft Internet Explorer v. 6 and up

Overview

The CompleteView Web Client supports Internet Explorer, Google Chrome and Mozilla Foxfire browsers and allows for live view of up to 16 cameras simultaneously, single camera playback and video export. From this application you will be able to perform the following functions:

1. Switch among four live camera view templates.
2. Customize live camera view templates.
3. Adjust playback frame rate
4. Scale the video tile size
5. Move pan-tilt-zoom capable cameras that you have the permission to control.
6. Search for recorded video events.
7. Easily export video events to a standard .AVI file format to disk.
8. Export still images taken from recorded video events as standard .JPG files.

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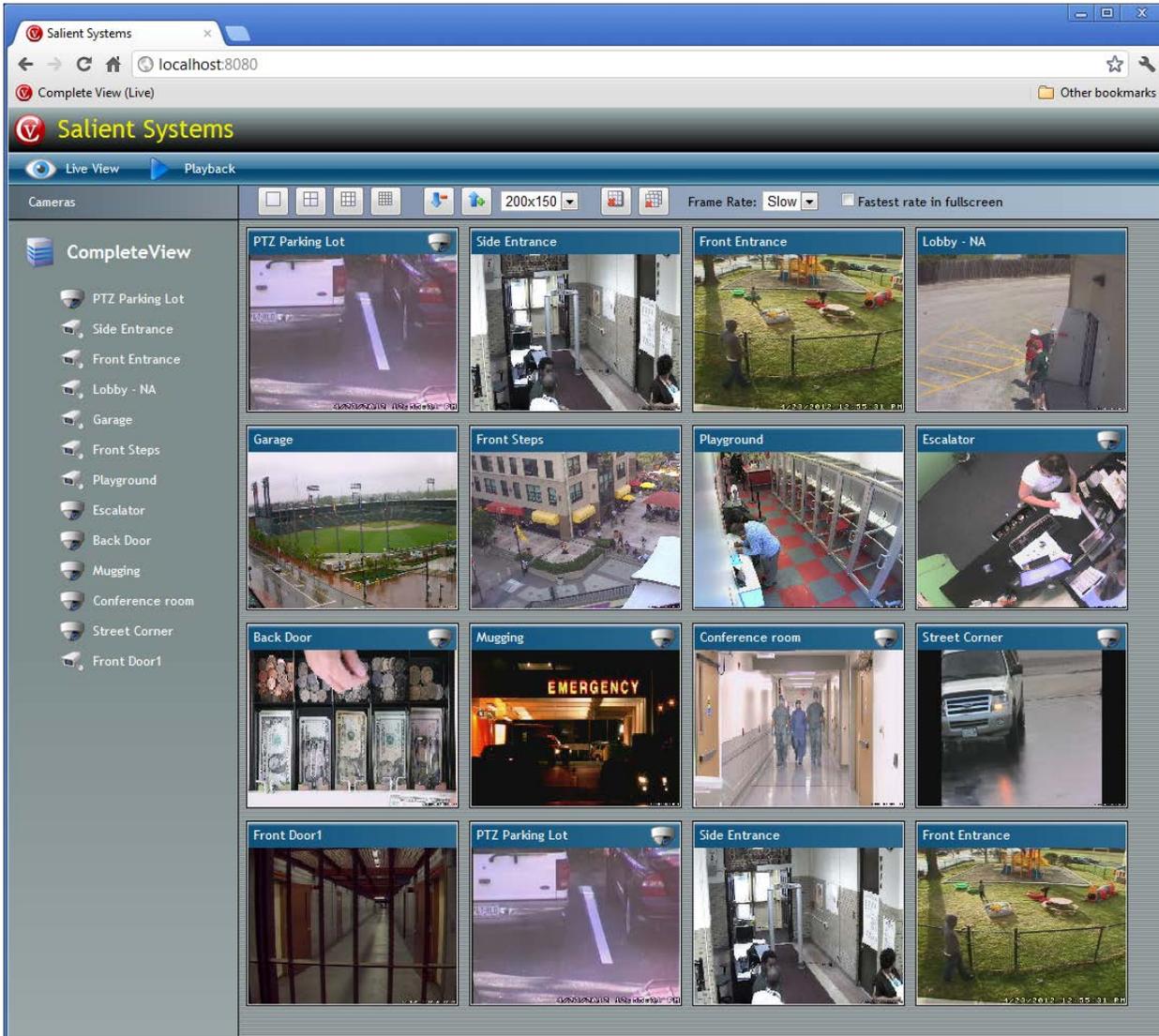
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Getting Started

Logging In

The CompleteView Web Client is access through supported web browser.

> **Note**: Your computer must have network access to the CompleteView Server hosting the Web Client pages.

1. Open your supported web browser. In the 'Address' bar type in the address of the CompleteView Server and the Port Number for web access to the CompleteView Server. Your CompleteView system administrator will provide this information.

> **Note**: The correct format to type the URL for Web Client access is:
> **http://**CompleteView Server address**:**Port Number**/**
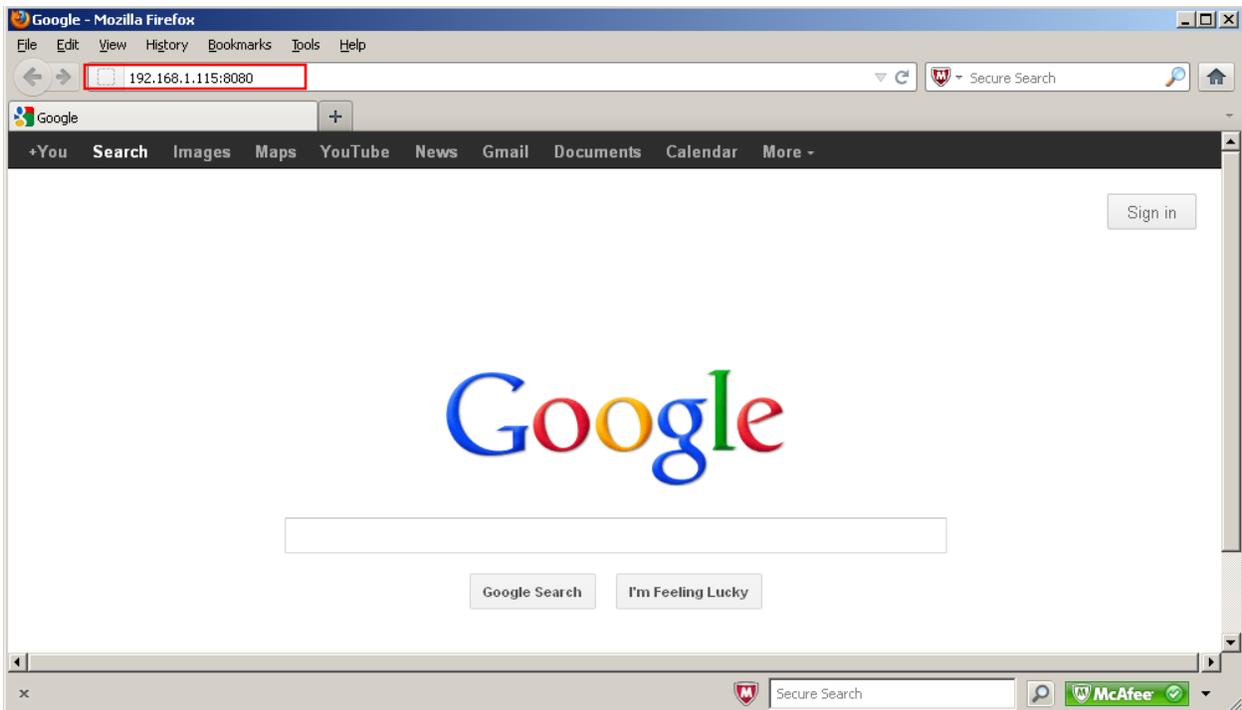
Mozilla Foxfire with the 'Address Bar' highlighted

2. Press 'enter' and you will be prompted for a username and password. Use the username and password are provided by your CompleteView system administrator.

> **Note**: Passwords are case sensitive. User names are NOT case sensitive.

Web Client login dialog box

3. A second Java Script login will appear the first time and each subsequent time you open a new web browser. Enter the same username and password entered in step 2.

4. Select Ok

5. Drag and drop video into the video tiles.
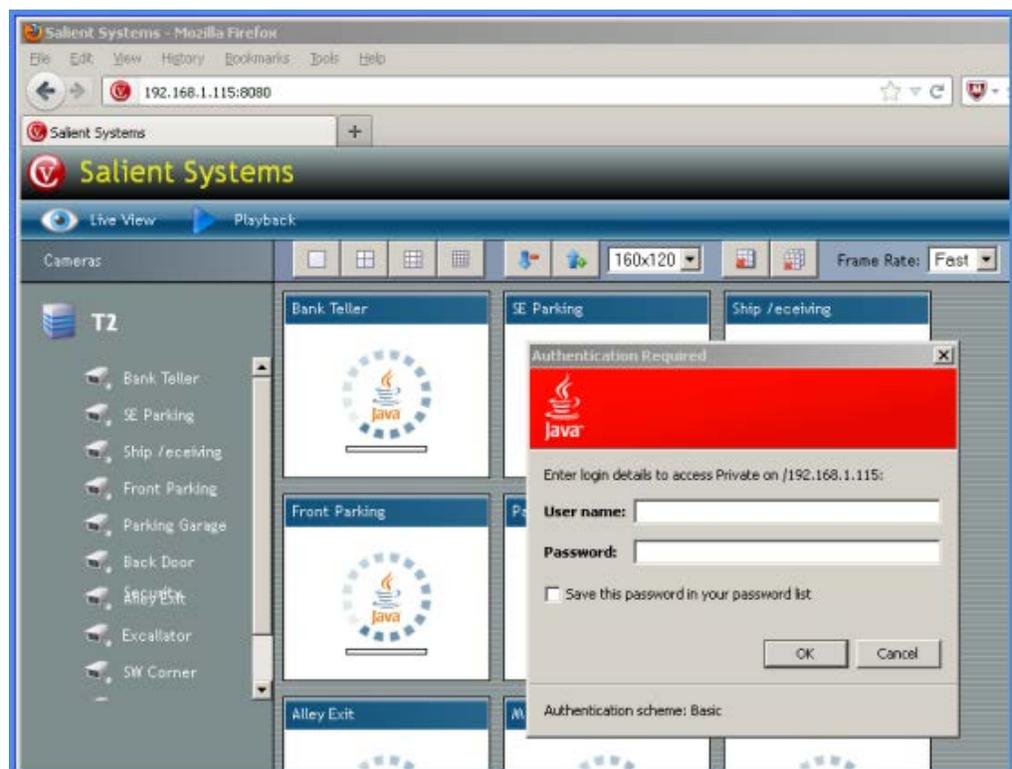
Live View

Live View Template

From live view a user can display cameras in a variety of templates and control Pan Tilt and Zoom cameras.
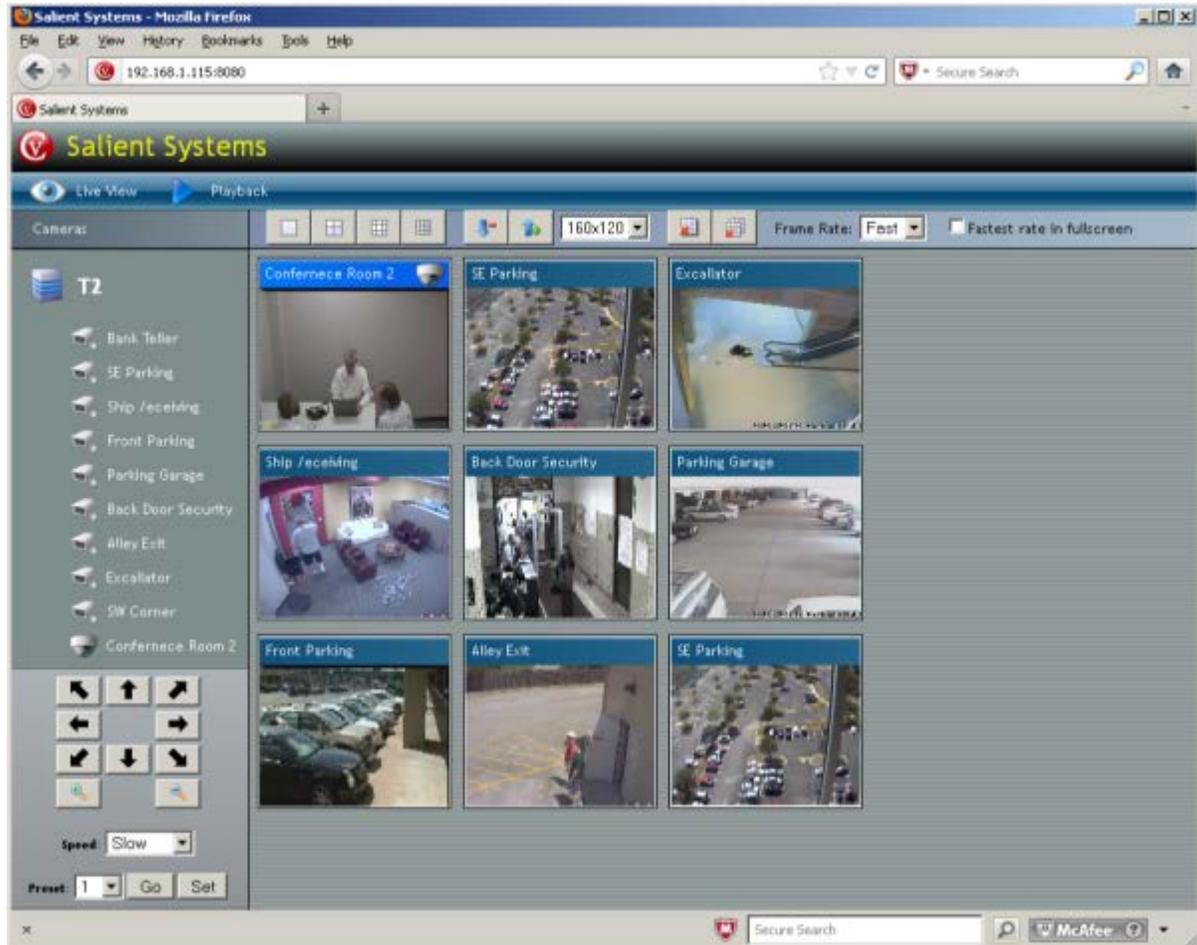
Live View interface

Interface Mode

Interface Mode bar at the top of the Live View screen is used to switch between Live View and Playback.

Interface Mode bar

Camera Tree

1. On the left hand side of the screen is a tree view of cameras grouped under their corresponding server. This is the Camera Selector. From this control you can drag and drop cameras in viewing tiles as described in Setting Up Views. Icons to the left of the camera name indicate whether the camera is fixed or is a moveable Pan Tilt & Zoom camera. If disable server processing is enabled for any camera that camera, if selected in the Web Client, will not display video in the web client.
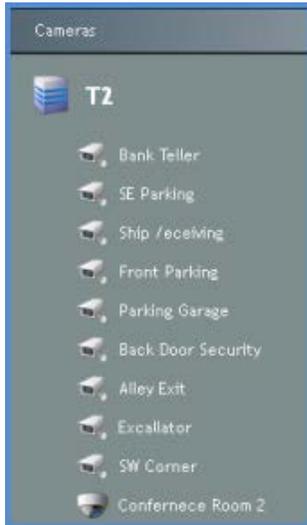
Camera Selector

Live View Toolbar

The Live View Toolbar controls the current view template, resizing video tiles & video frame rate.

Live View Controls (v3.8.1)

Controls

	Single camera view: switches to single-camera template.
	Quad View: switches to a 2x2 tiled four-camera template.
	Nine camera view: switches to a 3x3 tiled template of nine cameras
	Sixteen camera view: switches to a 4x4 tiled template of sixteen cameras.
	Decrease camera size: scales down the video size by one increment. Use this to fit the video to the size of your browser window
	Increase camera size: scales up the video size by one increment. Use this to fit the video to the size of your browser window
240x180 ▼	**Display Tile Size Selector:** provides nine different template size selections
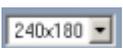
	Reset Selected Camera: disconnects and then reconnects to the selected camera
	Reset Current View: Disconnects and then reconnects to all cameras in the current view.
Frame Rate: Fast ▼	**Frame Rate Control**: This drop down box allows the selection of frame rate for all cameras in the current view.
Slow	1 frame per second
Med	4 frames per second
Fast	8 frames per second
☐ Fastest rate when maximized	Fastest Frame Rate: select this option to display the highest frame rate available for the camera. **Note**: The highest frame rate may not be 30 frames per second, but instead the highest frame rate being received by the CompleteView server.

Control Descriptions

Enlarge a Single Camera

To enlarge a single camera in a 4, 9 or 16 camera view simply double click on the camera of interest and it will expand to the full viewing area. To return to the previous view template, double click the camera again.

Double click on the camera of interest

Full Screen- Right Click Menu

Using the right mouse button to click on any tile and select full screen.

Exit Full Screen to Tiled View
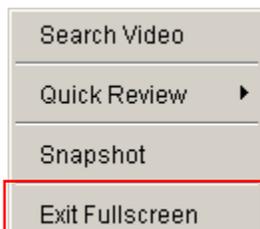
To return to multiple tiles, right-click on the enlarged tile and select *Exit Fullscreen* or double-click on the enlarged tile.

The camera will be resized to fit the entire viewing area

Setting Up Views

There are four different view templates available in the CompleteView Web Client. Each view template is individually configurable. Configuration created on one computer will not affect other computers or users accessing the Web Client. Additionally if you exit the Web Client, your configuration will be saved automatically.

Viewing Panel Configuration

1. To configure a view, select the 1, 4, 9 or 16 camera template by clicking the corresponding button on the Live View Control bar.

2. Left click on a camera in the Cameras List and drag it to the tile in the view template you wish to display the camera in. The tile you hover over will display a green border as shown below.
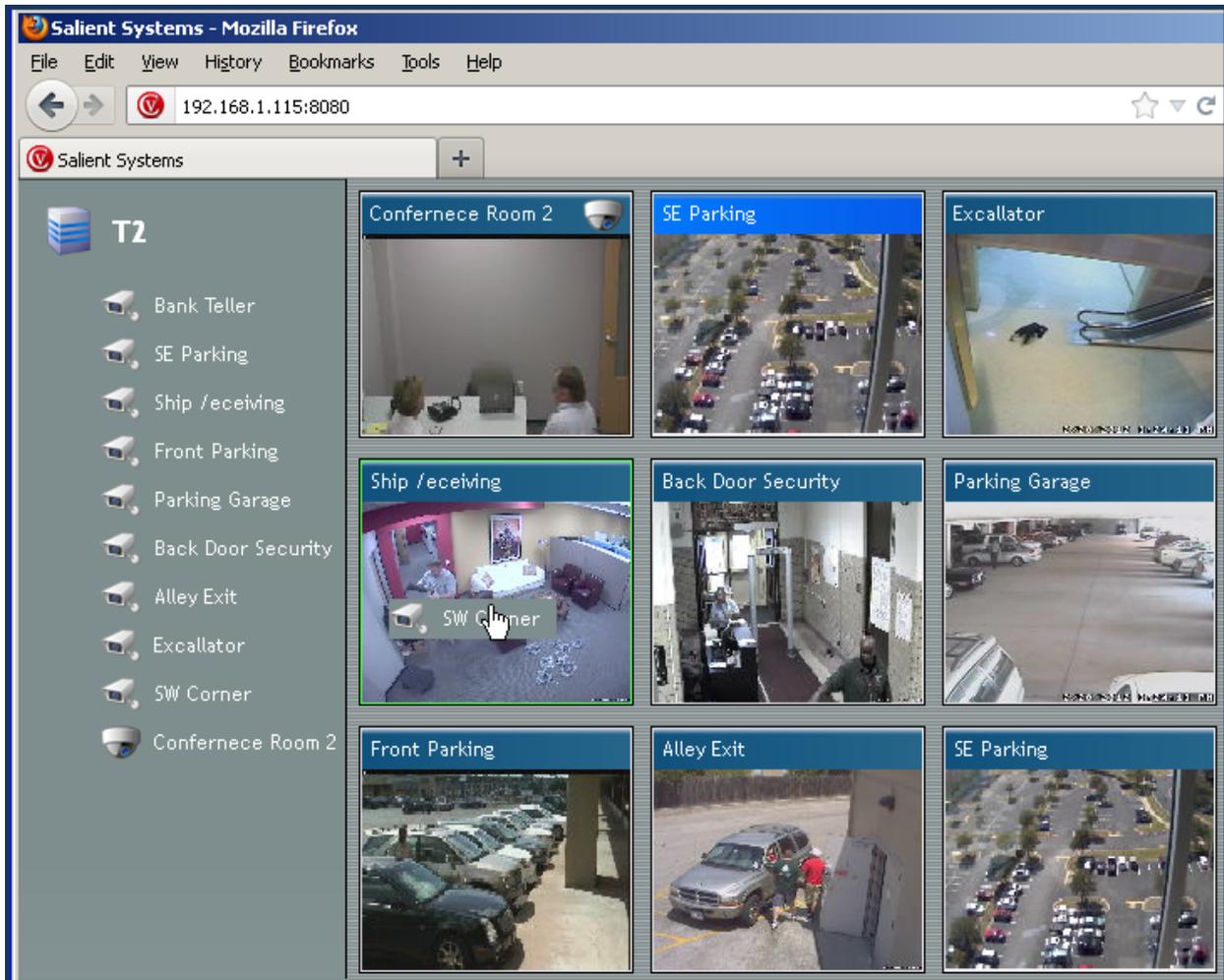
3. Release the mouse button and video from the camera will start to display in the tile. Continue to use this drag and drop method to populate the rest of the view.

Pan Tilt & Zoom Camera Control

Overview

Control of Pan Tilt & Zoom cameras is available in the CompleteView Web Client. PTZ cameras can be controlled through button in the interface or using a PC keyboard.

Camera Selection

1. Cameras configured as PTZ cameras are identified by a dome camera icon on the left side of the camera label as show below.

2. Click on the video tile of the PTZ camera to control it. A PTZ Controls box will scroll up, under the Cameras List.

3. The PTZ Controls box contains all the functions necessary to move the camera, zoom in/out and to get/set preset positions.
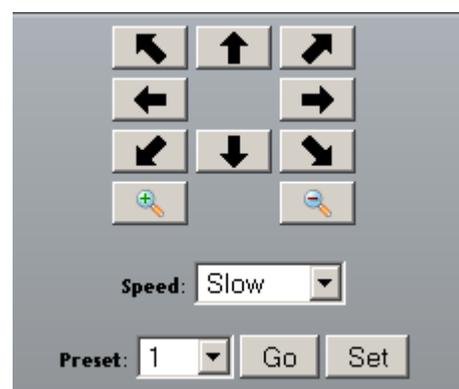
PTZ Controls

> **Note**: Some PTZ control capabilities may not be available if your user account does not have permission to all the PTZ functions of the associated camera.

Control Functions

	⬆	**Up**: Tilt the camera up by one increment
	⬇	**Down**: Tilt the camera down by one increment
	⬅	**Left**: Pan the camera left by one increment
	➡	**Right**: Pan the camera right by one increment
	⬉	**Up Left**: Move the camera up and left by one increment

	Up Right: Move the camera up and right by one increment
	Down Right: Move the camera down and right by one increment
	Down Left: Move the camera down and left by one increment
	Zoom In: Zoom the camera in by one increment.
	Zoom Out: Zoom the camera out by one increment
Speed: Fast	**Speed**: Can be set to Full, Fast, Medium & Slow. Actual Pan, Tilt & Zoom speed is based on the camera being controlled.
Preset: 1	**Preset**: Selects the preset to work with. The selected preset can be 'set' or moved to using the 'Set' and 'Go' buttons.
Go	**Go**: Moves to the preset position selected in the 'Preset' drop down box.
Set	**Set**: Sets the preset position selected in the 'Preset' drop down box to the current camera position.

Note: The number of degrees a camera moves when a pan, tilt or zoom command is issued is dependent on the camera driver being used. Different camera models may move more or less relative to other models.

Right –click Menu

A right-click menu allows users to have some of the same video search options that exist in the standard CompleteView Video Client. (Requires CompleteView v.3.8.1 to be installed at the CompleteView Server.)
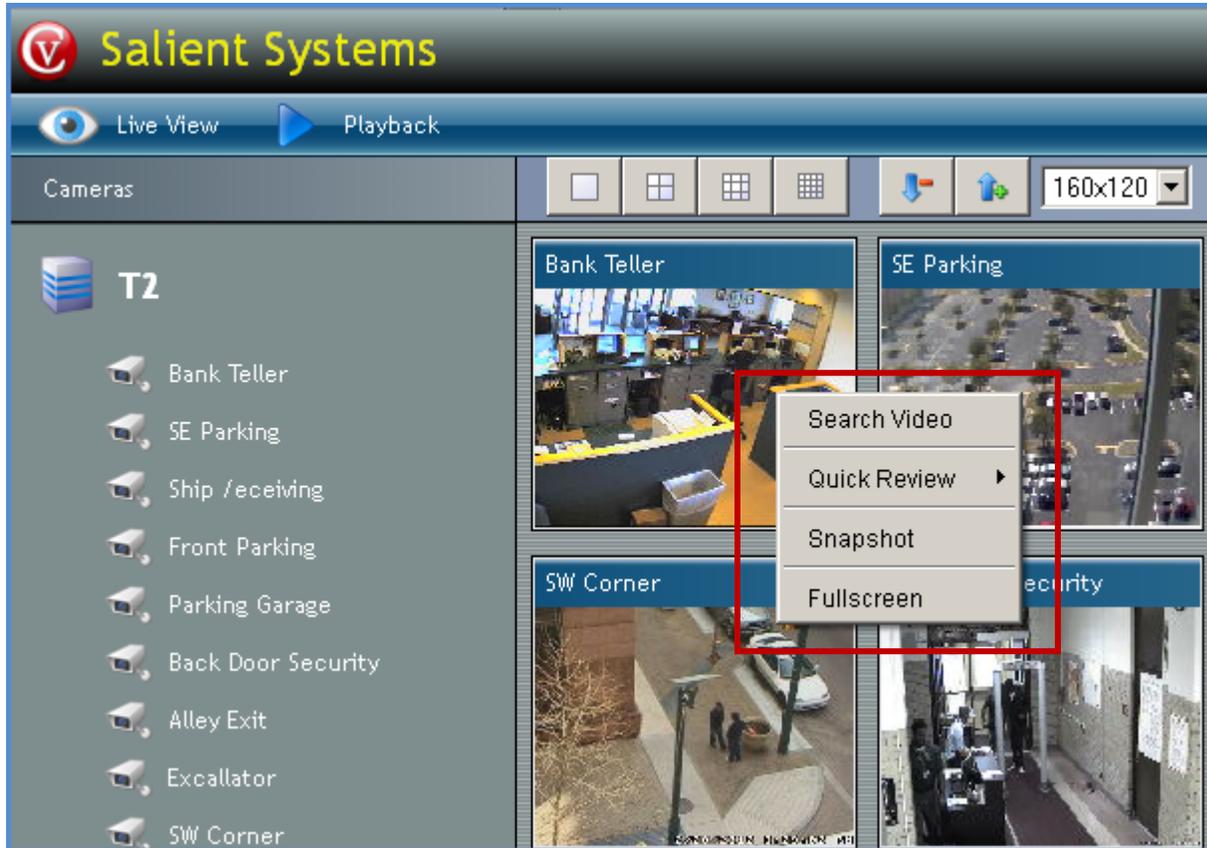
1. **Search Video** – redirects browser to display playback screen to permit search of recorded video for the selected camera
2. **Quick Review** – redirects browser to display playback screen and permit review of video for the selected time period. Time periods are displayed in the playback screen. User should select search to complete the search.
3. **Export Snapshot** – takes a snapshot of the currently displayed video.
4. **Full Screen** – replaces video template with a single full screen tile and displays the selected video.   Double-click will provide the same results.

Note: If disable server processing is enabled in the CompleteView server for any camera, that camera, if selected in the Web Client, will not display video in the web client.

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Playback

Playback Interface

Overview

The CompleteView Web Client's *Playback* mode is comprised of several different functions:

- Video Event Search by Time & Date.
- Video Event Review
- Video Event Export
- Still Image Export

Search Panel

The *Search Panel* allows you to search for video events in several ways. The results of each search that you perform are displayed in the *Results* list, and can be filtered using three criteria: *Show Scheduled, Show Motion, and Show Alarm*.
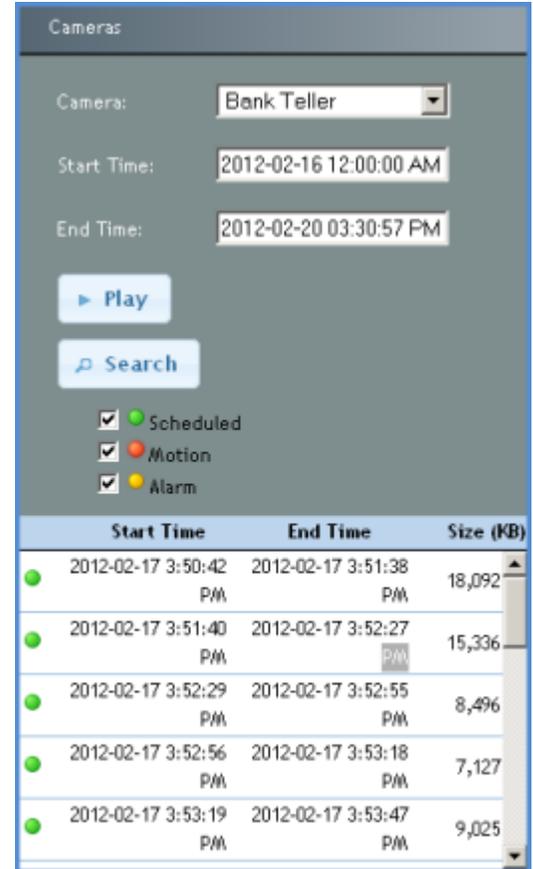
Playback Panel

When you select an event displayed in the results list for further review, the video will be displayed in the *Playback Panel*. This panel consists of the *Video window*, *Playback toolbar*, and *Export* buttons.
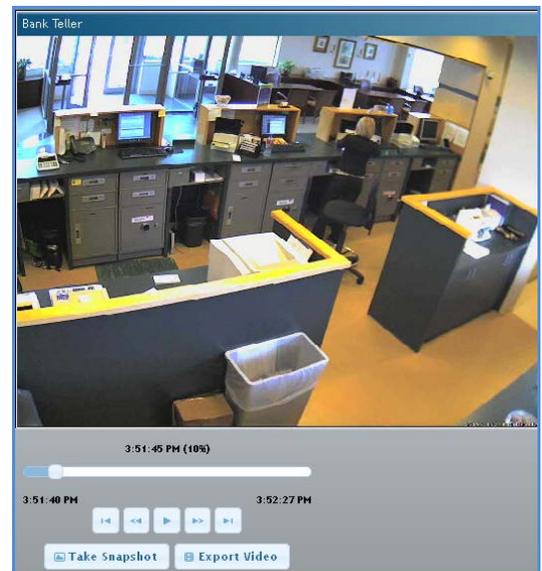
Video Search

1. Perform the following steps to begin a video event search by date.
2. From the *Server* drop-down list, select the appropriate *Server* for the camera that you wish search.
3. From the *Camera* drop-down list, select the camera that you wish to search.
4. Using the *Date Search* pop-up calendar, select the date on which the event occurred.
5. Click *Search* and the *Results* list will be filled with video events that match the criteria that you entered above.
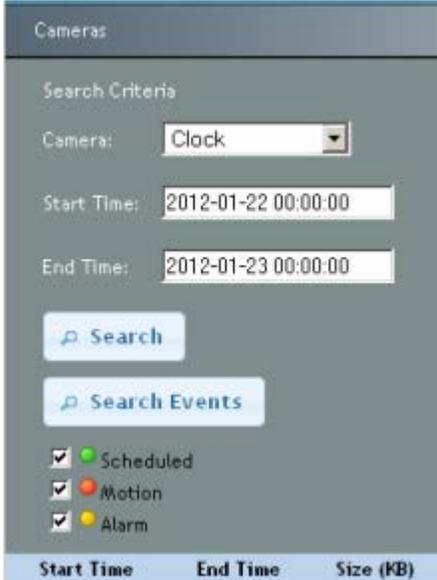
Search Criteria Panel

Event Review

To review a video event, double-click on the event in the *results list*. The video will begin to play in the [Playback Panel](#).

Results List

Filtering Results

By default, the *results list* displays all of the archived video events for the selected day. You can filter these results by recording type, as shown below.

Results Filter

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Playback

Once you have selected a video event for review, it will appear in the *Playback Panel.*
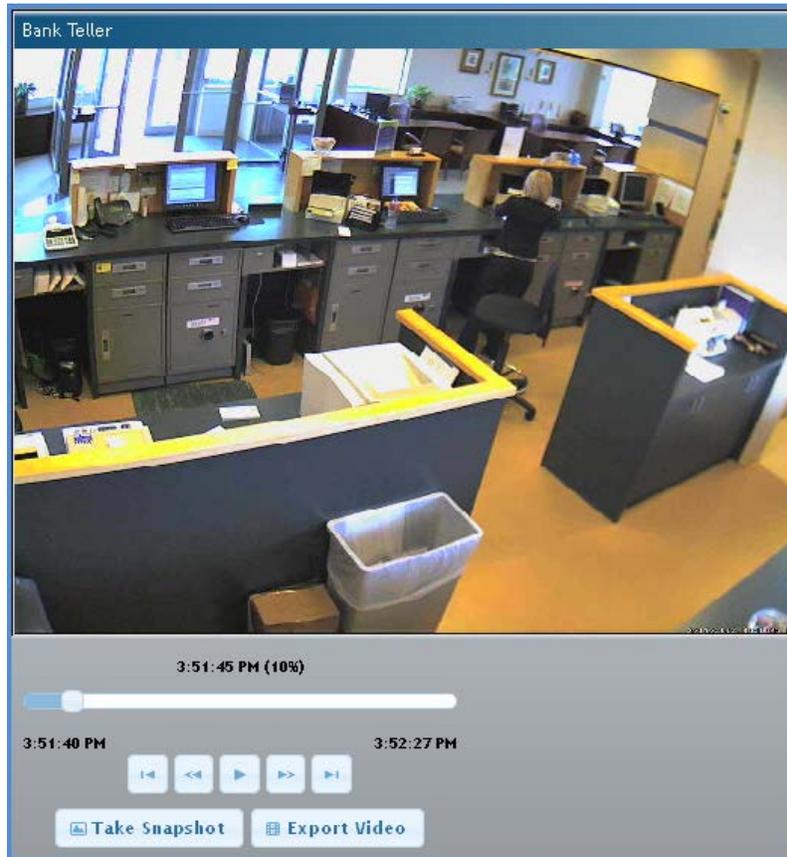
Located immediately below the video window is the playback control toolbar.

Playback Controls

	▶	**Play -** plays the current video event to the end and then stops.
	▐▐	**Pause –** pauses video playback
	▪	**Stop -** stops playback.
	◀	**Jump to Beginning -** moves position backwards to the beginning of the current video event.
	◀◀	**Rewind -** moves position backwards in the current video event by a single frame.
	▶▶	**Fast Forward -** moves position forwards in the current video event by a single frame.

▶|	**Jump to End -** moves position forwards to the end of the current video event.
⊞ Export Video	**Export Video -** exports the current video event.
◪ Take Snapshot	**Take Snapshot -** creates a still image from the current position of the current video event.

Export Video

The CompleteView Web Client provides you with the ability to export full or partial video clips and snapshot images to your PC. To export video perform the following steps:

1. Switch to *Playback* mode.
2. Perform a Date Search.
3. Review video events.
4. When you find a video event that you wish to export, stop video playback.
5. Click the button labeled *Export Video*.
6. Select the portion of video to export:
   a. With your mouse, grab the white time knobs at each end of the time line.
   b. Move the knob to the starting point and finish point of the video you wish to export.
   c. Select Export Video.
   d. Name the video and select a location for the video to be placed.
7. Select cancel to cancel the export process

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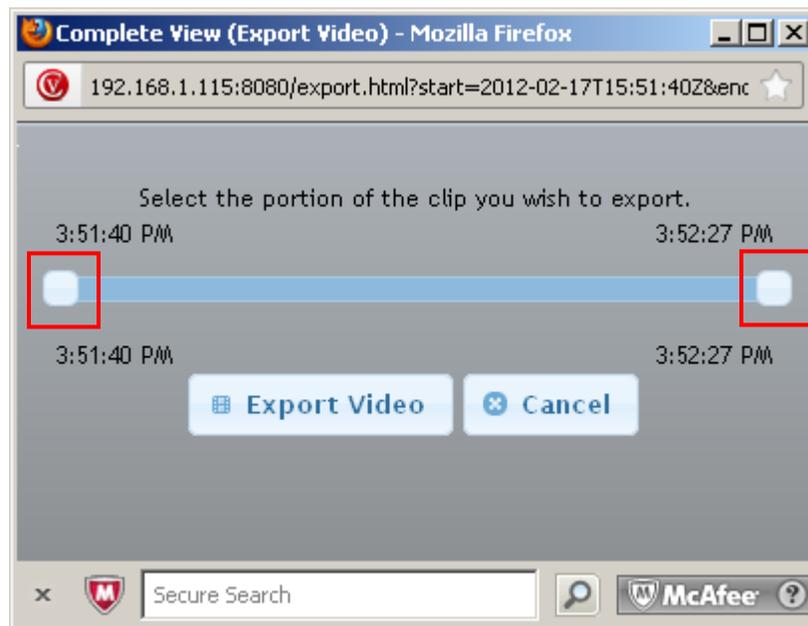
Exporting Still Images

You can easily export a single still image taken from the current position within the currently selected video event. The still image can be saved to your local disk as a JPEG or BMP file.

1. Switch to *Playback* mode.
2. Perform a [Date Search](#).
3. Review video events.
4. When you find an image that you wish to export, stop video playback.
5. Use the *Step Forward* and *Step Backward* buttons refine your selection.
6. When you have determined the exact image that you wish to export, from the bottom control panel, select *Take Snapshot.*
7. You will be presented with a Save As dialog box where you can choose the location and name of the destination file.
8. Snapshots are saved as JPEG files.
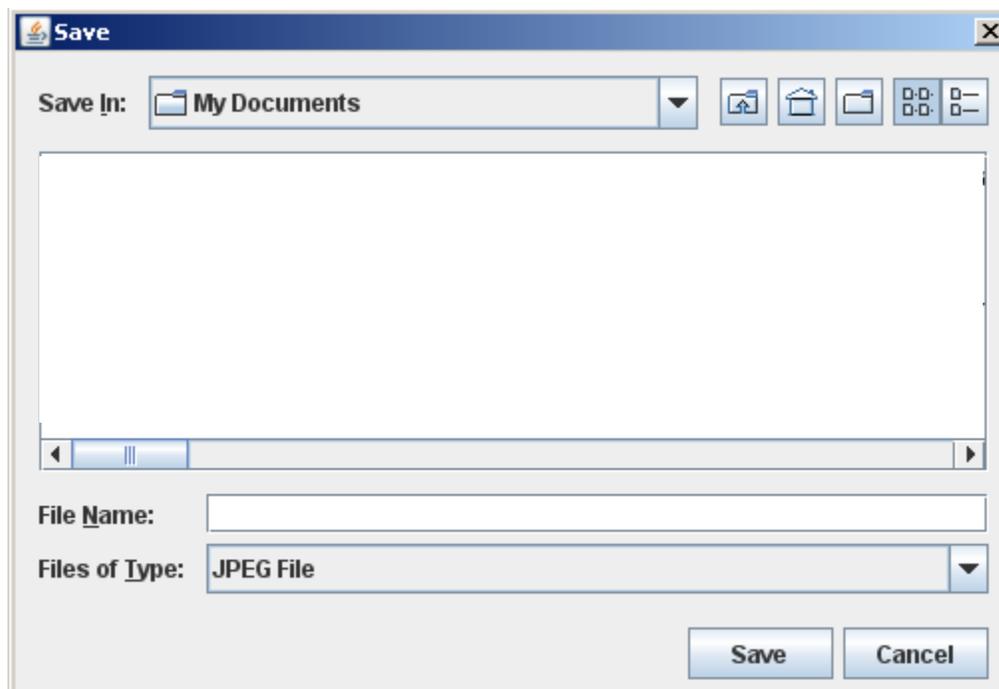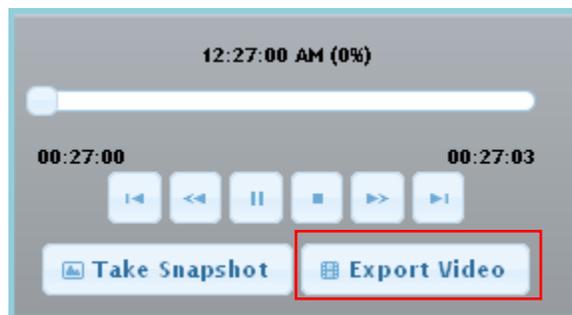
Troubleshooting

When accessing the Web Client with Microsoft Internet Explorer it may be necessary to modify some operating system and/or Java settings to access the web client and optimize performance.

> **Note:** Setting changes only apply when accessing the Web Client with IE 8 & 9. When access the Web Client with Chrome or FireFox browsers these settings do not need to be changed.

Configuring for Web Client access on Windows 7 using Internet Explorer v8 or v9

1. In Internet Explorer, click Tools -> Internet Options -> Security
2. Click 'Custom level…'
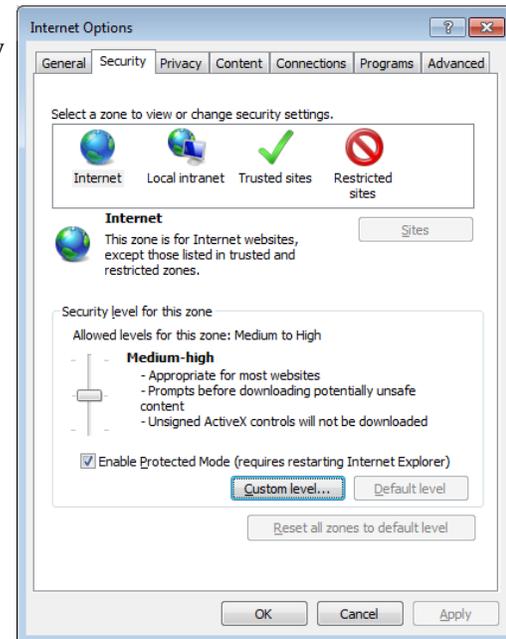
3. Under the 'ActiveX Controls and plug-ins' heading set 'Allow ActiveX Filtering to 'Disable'
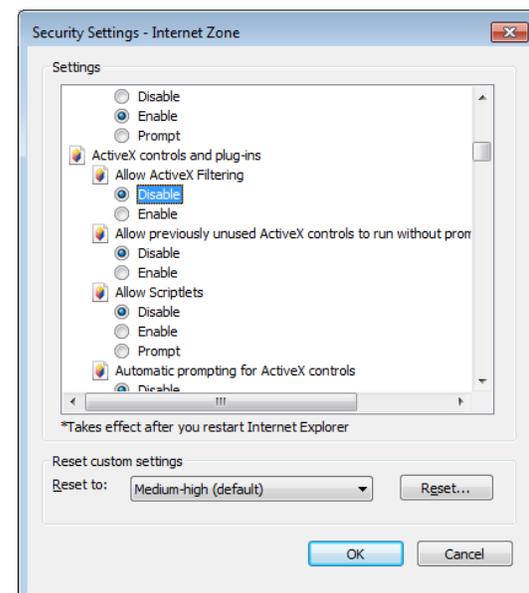
In addition to the above setting change in Internet Explorer, it is necessary to change a setting in Java based on which version of Windows 7 is used.

For users of Windows 7 32 Bit edition

1. Open Windows Control Panel, double click 'Java' to open the 'Java Control Panel'
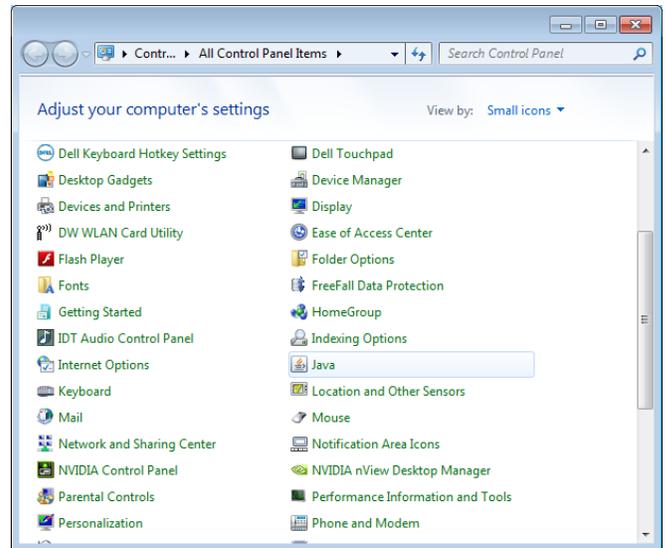
2. Click the 'Advanced' tab. Under 'Java Plug-in' check 'Enable the next-generation Java Plug-in (requires browser restart)'
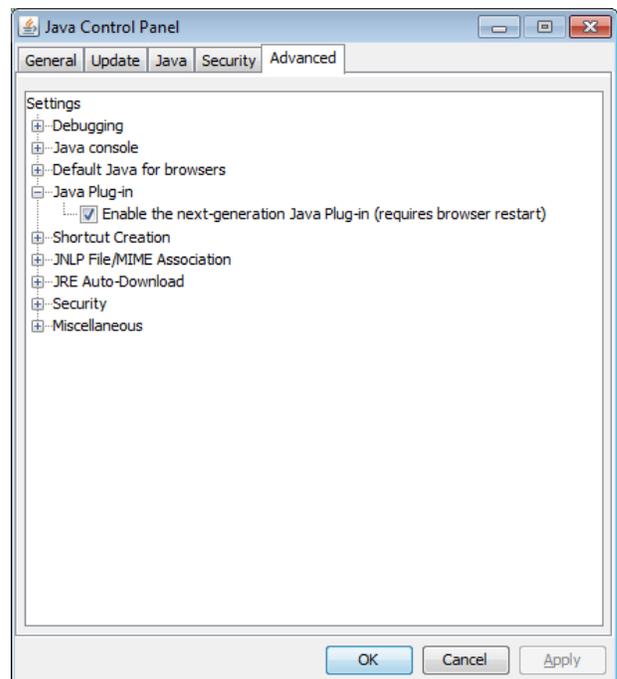
For users of Windows 7 64 Bit edition

1. Open Windows Control Panel, double click 'Java' to open the 'Java Control Panel'
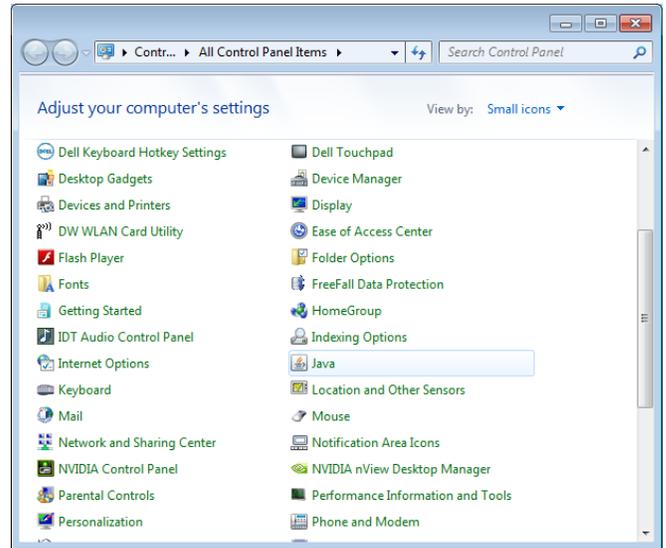
2. Click the 'Advanced' tab. Under 'Java Plug-in' uncheck 'Enable the next-generation Java Plug-in (requires browser restart)'
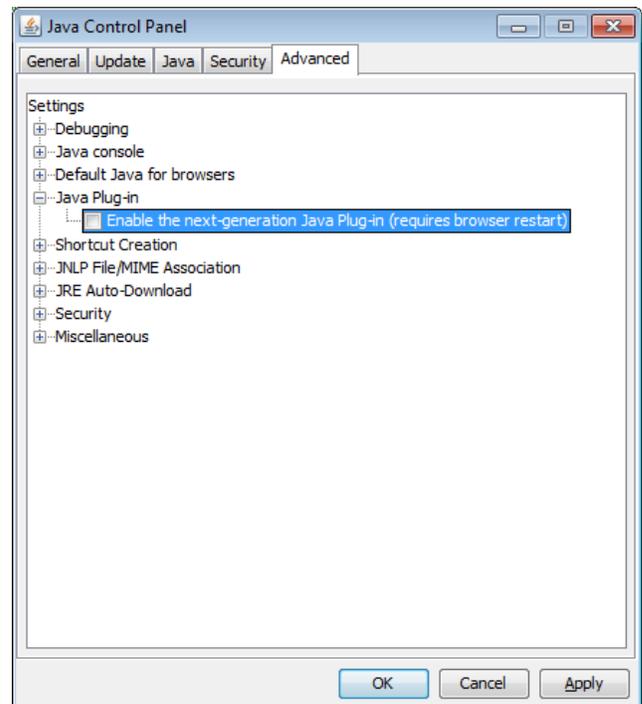
Configuring for Web Client access on Windows Server 2008 using Internet Explorer v8 or v9

1. Under Administrative Tools open Server Manager.
2. Click 'Configure Internet Explorer Enhanced Security Configuration.
3. Disable Internet Explorer Enhanced Security Configuration for both Administrations and Users.
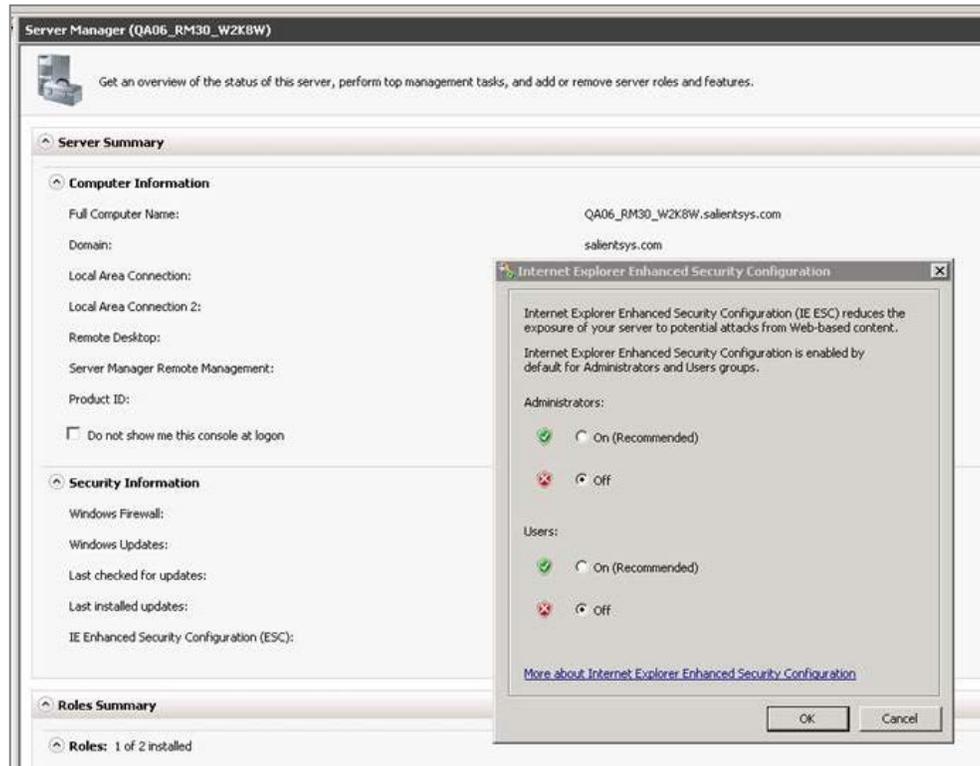
4. Open Internet Explorer and click Tools -> Internet Options -> Security -> Trusted Sites

![Salient Systems logo] SALIENT SYSTEMS
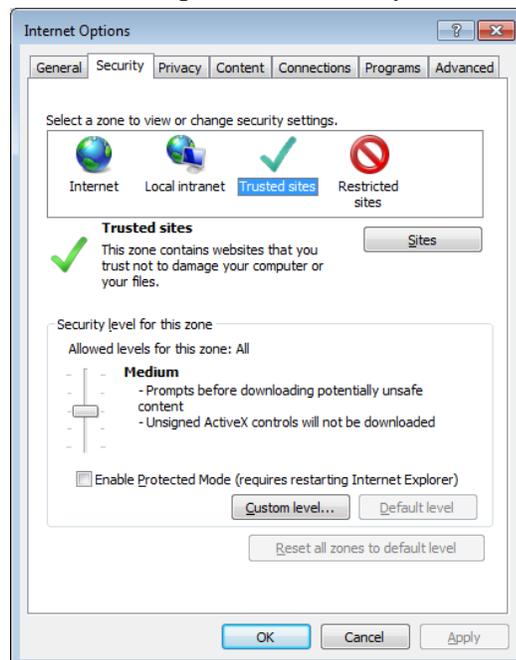
5. Click Sites
6. Enter the URL of the CompleteView Web Client and click 'Add' to add the CompleteView Web Client to the list of Trusted Sites.
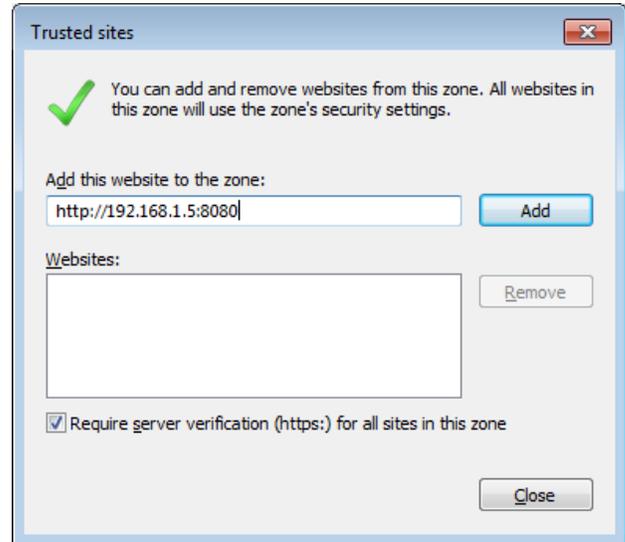
> **Note:**   For users of Internet Explorer 9 on Windows Server 2008, you should also 'Disable ActiveX Filtering' in Internet Explorer's security settings.

1. In Internet Explorer, click Tools -> Internet Options -> Security
2. Click 'Custom level…'

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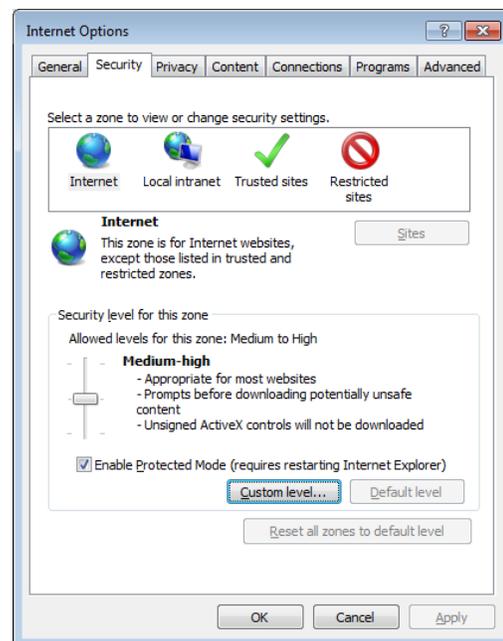
3. Under the 'ActiveX Controls and plug-ins' heading set 'Allow ActiveX Filtering to 'Disable'

Additional Resources

Visit the Salient website, www.salientsys.com, for additional support and CompleteView training:

- **Manuals & Documentation** (www.salientsys.com/support/manuals-documentationx/) – Includes Administrator's Manual, Client User Manuals (including Video, Alarm and Web clients), *How To* Guides and Tips.

- **Online Tech Support** (www.salientsys.com/elearning) – Get quick access to online tech support modules that cover the most frequently asked product questions, such as "Adding and Moving IP Camera Licenses."

- **Salient University eLearning** (http://salientsys.latitudelearning.com) – A convenient way to get trained on CompleteView. Register online for access to interactive, user training modules covering the Video, Alarm, Mapping and Web clients.

- **Classroom Training** (www.salientsys.com/training) – Traditional, classroom training is available throughout the United States. Please visit the Salient website for training calendar, agenda and registration.

Salient Systems
10801 N. MoPac Expy.
Building 3, Suite 700
Austin, TX 78759
512.617.4800
512.617.4801 Fax
www.salientsys.com