



Pelco Video Server 3.11 Software House

C•CURE 9000 v2.9 Integration Guide

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Getting Started

What is in This Chapter?

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- [Supported Video Servers](#)
- [Feature List](#)
- [General Requirements](#)
- [Initial Steps](#)
- [Migrating to a New Version](#)
- [Server Installation](#)
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Definition of Terms

The following terms are used throughout this document:

- **Pelco Video Server:** A generic term used to represent video servers such as Pelco's VideoXpert®.
- **Pelco® VideoXpert:** A scalable video management solution, essentially consisting of three components: The Core, Media Gateway, and the Ops Center Client.

Supported Video Servers

VideoXpert

Pelco VideoXpert is comprised of powerful components that seamlessly work together to deliver state-of-the-art IP-based video management.

This integration is compatible with VideoXpert Pro and VideoXpert Enterprise version 3.11.

Feature List

The features of VideoXpert systems are listed in the table below.

Table 1: Feature List

Functionality	VideoXpert
Import cameras	YES
Add cameras manually	YES
View live video from Pelco cameras	YES
View playback from Pelco recorders ¹	YES
Text Overlay	NO

¹ Multicast playback is not supported.

Functionality	VideoXpert
Receive Video alarms (motion, analytics, physical/dry contact alarms)	Motion events only
Receive video loss (online/offline) events	YES
Export video	MKV format
Codec (H.264 and MPEG-4)	H.264 only
Stream Protocol (RTP/RTSP)	RTSP only
Take a JPEG snapshot of video	YES
Validate user credentials	YES
Log information and errors	YES
Pan-Tilt-Zoom operations	YES
Presets and patterns	YES
Video tours	YES
Support for audio	NO
Perform actions such as lock and record video on events	NO
Unicast/multicast communications	YES
VideoXpert aggregation	YES
Receive events from multiple Pelco Video Servers	YES
Manual recording	NO
16 Stream support	YES
Secondary/low bandwidth streaming for live video	NO

General Requirements

Hardware

The minimum hardware requirements for the client machine to use for completing the steps outlined in this document is specified in the C•CURE documentation.

NOTE: Virtual machines are not supported for streaming video from Pelco cameras.

Software

The software requirements for completing the steps outlined in this document are the following:

- Software House C•CURE 9000 v2.9 CU01
- Appropriate Windows operating system
- .NET Framework 4.8

The primary focus of this documentation is the integration of Pelco IP products with the C•CURE 9000.

NOTE: This documentation is not a replacement for general C•CURE 9000 documentation. It is highly recommended that you review the following documentation and become familiar with C•CURE 9000 concepts before proceeding:

- *C•CURE 9000 Bioscrypt Reader Reference Document*
- *C•CURE 9000 Hardware Configuration Guide*
- *C•CURE 9000 Reader Input Output Guide*
- *C•CURE 9000 Data Views Guide*
- *C•CURE 9000 Getting Started Guide*
- *C•CURE 9000 Installation and Upgrade Guide*
- *C•CURE 9000 Monitoring Station Guide*
- *C•CURE 9000 Personnel Configuration Guide*
- *C•CURE 9000 Software Configuration Guide*

The Software House documentation is available at their website (<http://www.swhouse.com/>) as well as in the C•CURE 9000 help menu, accessible by pressing the **F1** key.

Initial Steps

While this documentation covers a wide variety of tasks, only the tasks listed below are essential to having a successful base integration between Software House C•CURE 9000 and the Pelco Video Server.

NOTE: Before starting, ensure that:

- Every camera and encoder has both primary and secondary streams enabled, and configured to H.264.
- The user has admin privileges or is added to the Performance Monitor user group.

Video Folder

Adding a new Video Folder: Before you can add a Pelco Video Server or Pelco Video Cameras, you must first add a Video Folder to store them. You can use the default "CompanyName" folder, or you can provide a new folder name.

Pelco Video Server

Adding a Pelco Video Server: Connects your Pelco Video Server to the C•CURE 9000 and imports all Pelco Video Cameras associated with it into the C•CURE 9000.

Pelco Video Camera

Accessing a Pelco Video Camera's View: Allows you to take control of a successfully connected Pelco Video Camera, giving you access to its stream and controls.

Playback control for a Previously Recorded Stream: Details the steps needed to play back a specific portion of recorded streams.

Reconnecting the Camera: Demonstrates how to restore a connection from a Pelco Video Camera when you experience a loss of connection from a video stream.

Recording a Stream: Shows how to manually record the current stream from a Pelco Video Camera.

Migrating to a New Version of C•CURE

Procedure

1. Upgrade from C•CURE 9000 v2.x to C•CURE 9000 v2.9 CU01.
2. Download the Pelco-C•CURE 9000 Integration installer.
3. Follow the on-screen prompts to complete installation.
4. Run the *Server Configuration Application* and verify that the Pelco C•CURE Integration appears under the **Server Components** tab. Check **Enabled** and select **Start Service** to start the service. This step needs only to be done once. Subsequent reinstallations do not require restarting the service.

Server Installation

Before you begin

Any non-admin users must be added to the Windows "Performance Monitor Users" group.

You must also have administrator privileges for SQLEXPRESS for a proper installation.

Procedure

1. Download the Pelco C•CURE 9000 Integration installer.
2. Double-click the Pelco Software House C•CURE 9000 Integration installer to begin installation.
3. Follow the on-screen prompts to complete installation.
4. Run the `Server Configuration` application and verify that Pelco C•CURE Integration appears under the **Server Components** tab. Check **Enabled** and select **Start Service** to start the service. This step only needs to be done once. Subsequent reinstallations do not require restarting the service.
5. If the Pelco integration appears as **Unlicensed**, please contact Software House for a valid license to run the integration on the C•CURE server.
6. On-top upgrade is supported for upgrading the server components on a C•CURE 2.9 server.

Client Installation

Procedure

1. Download the Pelco C•CURE 9000 Integration installer.
2. Double-click the Pelco C•CURE 9000 Integration installer to begin installation.
3. Follow the on-screen prompts to complete installation.
4. On-top upgrade is supported for upgrading the client components on a C•CURE 2.9 client.

Video Folder

What is in This Chapter?

- [Overview](#)
- [Adding a Video Folder](#)
- [Editing a Video Folder](#)
- [Deleting a Video Folder](#)

Overview

Video Folders provide a way to organize everything in the C•CURE 9000 such as Pelco Video Servers and Pelco Video Cameras. C•CURE 9000 supports reorganizing Video Servers, Video Cameras, and other items by dragging and dropping these items from one Video Folder to another Video Folder.

NOTE: You cannot add a Pelco Video Server or a Pelco Video Camera until you add a Video Folder. You can use the default "CompanyName" folder, or you can provide a new folder name.

Essential Tasks

The following is a list of essential tasks related to the Video Folder:

- [Adding a Video Folder](#)

Other Tasks

The following is a list of other tasks related to the Video Folder:

- [Editing a Video Folder](#)
- [Deleting a Video Folder](#)

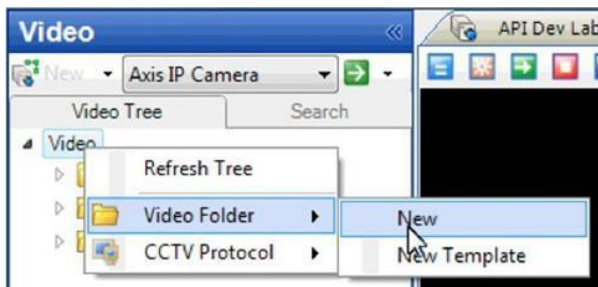
Adding a Video Folder

Before you begin

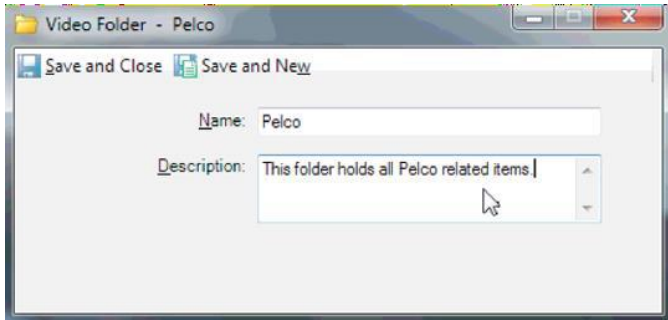
To add a new Video Folder, first ensure that the **Video Tree** tab is selected under the **Video** pane.

Procedure

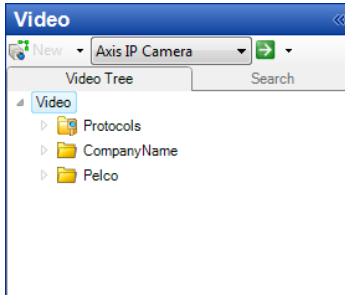
1. Right click the top **Video** item in the top left corner of the C•CURE 9000 and select **Video Folder > New**.



A **Video Folder** dialog box appears.



2. Fill in the **Name** and **Description** fields, then click **Save and Close**.

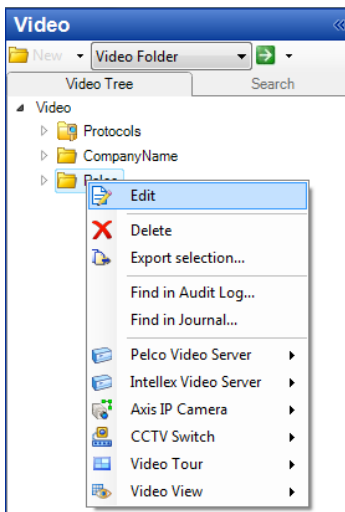


Your new Video Folder is visible.

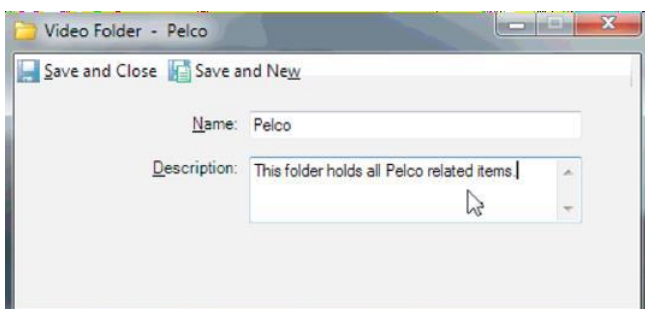
Editing a Video Folder

Procedure

1. To edit an existing Video Folder, right-click the desired Video Folder to edit. A menu appears. Click **Video Folder > Edit**.



A **Video Folder** dialog box appears.

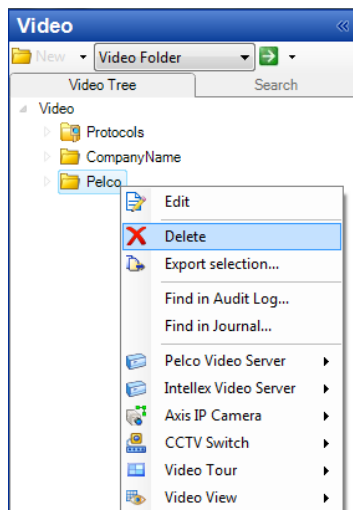


2. Change the **Name** and **Description** values as desired, then click **Save and Close** to save.

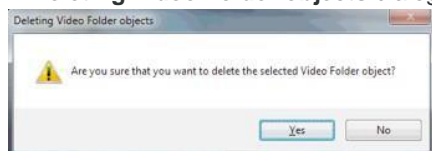
Deleting a Video Folder

Procedure

1. To delete an existing Video Folder, right-click the desired Video Folder to delete. A menu appears. Click **Video Folder > Delete**.

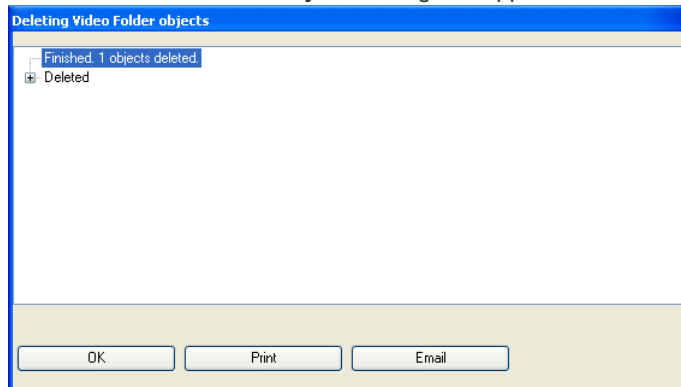


A **Deleting Video Folder objects** dialog box appears.



2. Click **Yes** to confirm deletion of the folder.

A **Deleted Video Folder objects** dialog box appears. Click **OK**.



Pelco Video Server

What is in This Chapter?

- [Overview](#)
- [Adding a Pelco Video Server](#)
- [Editing a Pelco Video Server](#)
- [Configuring Pelco Video Server State Images](#)
- [Restoring Default Pelco Video Server State Images](#)
- [Exporting Pelco Video Server Settings](#)

Overview

A Pelco Video Server is responsible for the following:

- Managing devices such as cameras, decoders, and NVRs, including administering rights and privileges.
- Storing device information, such as status
- Administering users, which includes permissions management
- Logging errors and alarms
- Security key management

Essential Tasks

The following is a list of essential tasks related to using the Pelco Video Server:

- [Adding a Pelco Video Server](#)
- [Pelco Video Server General Settings](#)
- [Pelco Video Server Alarm Settings](#)

Other Tasks

The following is a list of other tasks related to the Pelco Video Server:

- [Editing a Pelco Video Server](#)
- [Deleting a Pelco Video Server](#)
- [Configuring Pelco Video Server State Images](#)
- [Restoring Default Pelco Video Server State Images](#)
- [Exporting Pelco Video Server Settings](#)

Adding a Pelco Video Server

This section describes how to add a Pelco Video Server.

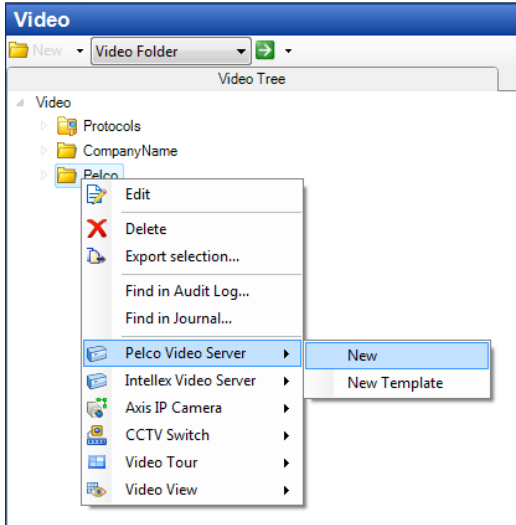
About this task

Start the Software House application and examine the **Video Tree** tab as shown in the image below.

Procedure

1. To add a Pelco Video Server, right-click the desired folder. In this example, the folder is **Pelco**.

A menu appears.



2. Select the **Pelco Video Server > New** menu item.

A **Pelco Video Server** dialog box appears. This dialog box contains forms regarding general Pelco Video Server configuration settings, as well as settings for alarms (for example, events).

 A screenshot of the "Pelco Video Server" dialog box. It has a title bar with "Pelco Video Server" and standard window controls. Below the title bar are two "Save and Close" buttons. The main area contains several fields:

- Name:** A text input field.
- Description:** A text area with a scroll bar.
- Enabled:** A checkbox.
- General** tab is selected, showing:
 - Server ID:** A "Server Type" dropdown menu and an "Import Cameras" button.
 - Online:** A checkbox and a "Connect" button.
 - Server Info:** A "Communication Port" dropdown menu (set to 443), and input fields for "User Name", "Password", "Re-enter Password", and "IP Address".

NOTE: When you add a Pelco Video Server the **Video Protocol** control within **Server ID** displays the type of system being connected.

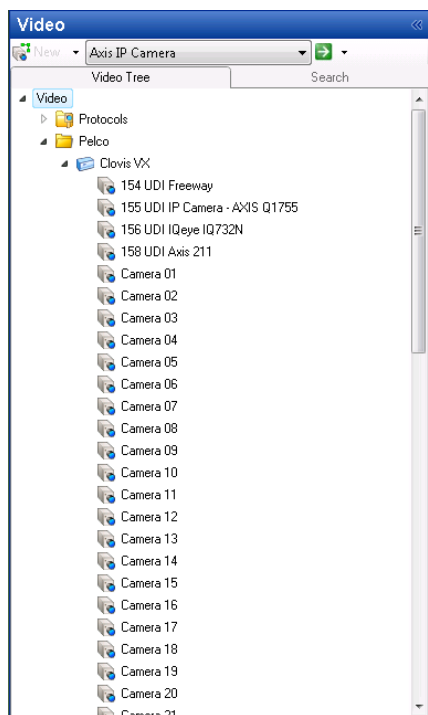
NOTE: The most frequently used tabs include **General Settings** and **State Images**. The **Alarms** tab is used to configure alarms.

Refer to [Pelco Video Server General Settings](#) for a detailed description of General Settings.

3. Click **Connect** to both verify the validity of your setting values, and to connect C•CURE 9000 to your Pelco Video Server. You must also select **Enable** for the video server to properly connect. If the Pelco Video Server has successfully connected, **Import Cameras** is active. If **Import Cameras** is not active, you must change the Pelco Video Server settings listed above to correct values.

4. If active, click **Import Cameras**.
The importation of video cameras begins. If the IP camera import was successful, a dialog box confirming success appears.
5. Click **Save and Close** on the top right of the dialog box to save.

You can view your Pelco Video Servers and the Pelco Video Cameras that are associated with it.

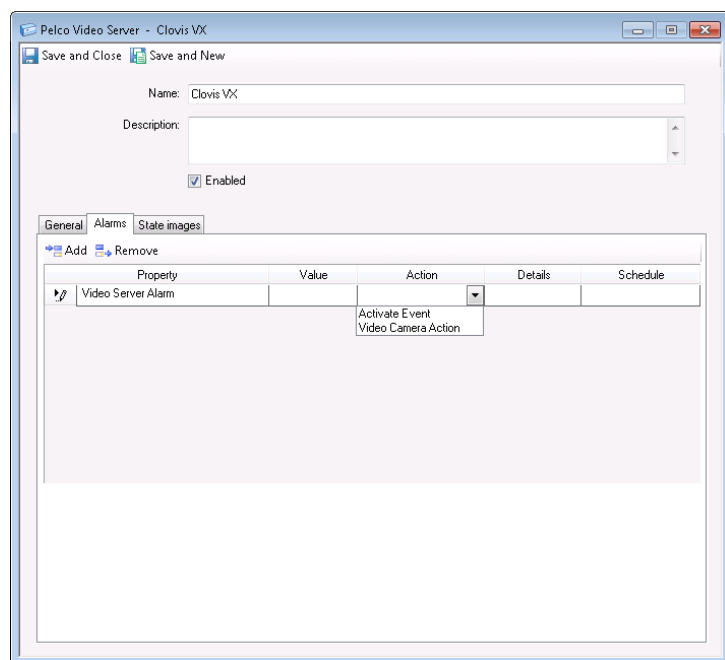


Pelco Video Server General Settings

The following describes the fields in **General Settings**:

Name	The Pelco Video Server's friendly name.
Description	A short description describing the Pelco Video Server.
Enabled	Must be checked for the Server or its cameras to be usable.
Communication Port	Port used to connect to the Pelco API.
Username	The user name for the Pelco Video Server authentication credentials.
Password	The desired password for use as Pelco Video Server authentication credentials.
Re-enter Password	The confirmation of desired password for use as Pelco Video Server authentication credentials.
IP Address	The Pelco Video Server's network location.

Pelco Video Server Alarm Settings



The **Property** field has the following possible options:

Video Server Alarm Denotes a general Pelco Video Server alarm.

Videoloss Denotes an alarm related to a loss of Video state.

NOTE: The Videoloss alarm needs to be enabled for the camera. Cameras which do not have this property enabled do not report anything.

There are several subtypes, as discussed below.

The **Value** field determines which alarm state for determining when the software performs a desired action. Alarms have two general states: triggered and normal (non-triggered). There are several options:

Online The Pelco Video Server is currently online and functioning properly.

Offline The Pelco Video Server is currently offline and not operational.

Normal The alarm's non-triggered state.

Motion A triggered event related to Pelco Motion alarm.

Analytics A triggered event related to Pelco Analytics. For example, the camera has detected that an object was removed from a particular area.

Alarm This option is not supported by VideoXpert.

The **Action** field determines the type of action to perform when the desired alarm state is reached. Possible options include the following:

Activate Event Activates a particular event. For further details, please refer to the [Activating an Event](#) topic.

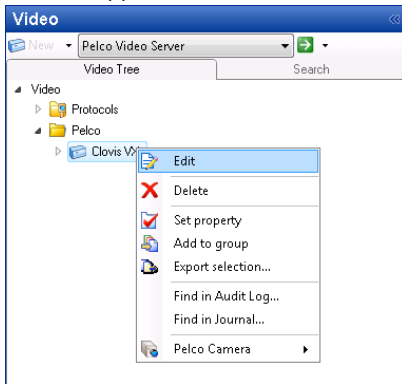
The **Schedule** field displays a drop-down list of pre-configured schedules. Use browse ... to select a Schedule that you want to associate with the alarm.

Editing a Pelco Video Server

Procedure

1. To edit an existing Pelco Video Server, right-click the desired server.

A menu appears.



2. Select the **Pelco Video Server > Edit** menu item.

A **Pelco Video Server** dialog box appears. This dialog box contains forms regarding general Pelco Video Server configuration settings, as well as settings for alarms (for example, events).

NOTE: The most frequently used tabs include **General Settings** and **State Images**. The **Alarms** tab is used to configure Pelco alarms.

Refer to [Pelco Video Server General Settings](#) for a detailed description of General Settings.

3. Make any necessary changes, then click **Connect** to both verify the validity of your setting values, and to connect C•CURE 9000 to your Pelco Video Server.

Though it is not required, you might want to re-import all Pelco Video Cameras that are associated with this Pelco Video Server. If you do not want to re-import all Pelco Video Cameras that are associated with this Pelco Video Server skip the rest of this topic and click **Save and Close** to save. To re-import all Pelco Video Cameras, complete the following steps.

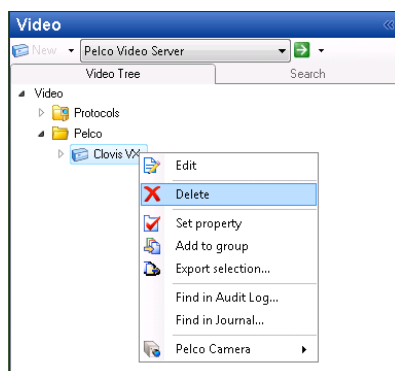
4. NOTE: If the Pelco Video Server has successfully connected, **Import Cameras** is active. If **Import Cameras** is not active, you must change the Pelco Video Server settings listed above to correct values.
Optional: If active, click **Import Cameras**.
The importation of video cameras begins. If the IP camera import was successful, a dialog box confirming success appears.
5. Click **Save and Close** on the top right of the dialog box to save.

You can view your Pelco Video Servers and all the Pelco Video Cameras that are associated with it.

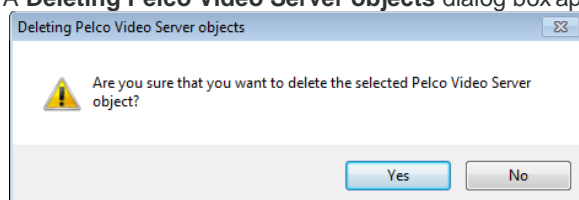
Deleting a Pelco Video Server

Procedure

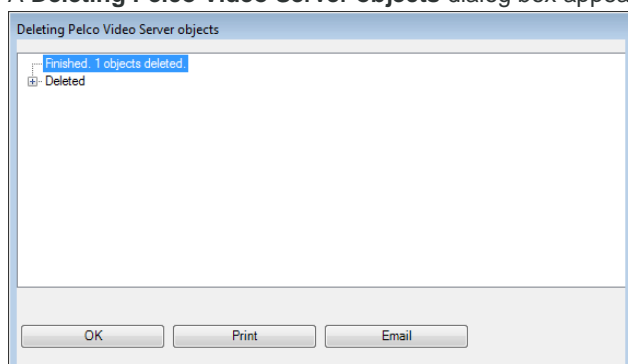
1. To delete an existing Pelco Video Server, right-click the desired Pelco Video Server to delete. A menu appears. Click the **Pelco Video Server > Delete** menu item.



A **Deleting Pelco Video Server objects** dialog box appears:



2. Click **Yes** to confirm deletion of the folder. A **Deleting Pelco Video Server objects** dialog box appears. Click **OK**.



Configuring Pelco Video Server State Images

About this task

Pelco Video Server state images are icons that represent a particular Pelco Video Server state. The following are Pelco Video Server states:

Unknown	The current state of the Pelco Video Server is unknown. It can be either online or offline.
Online	The Pelco Video Server is currently online and functioning properly.
Offline	The Pelco Video Server is currently offline and not operational.

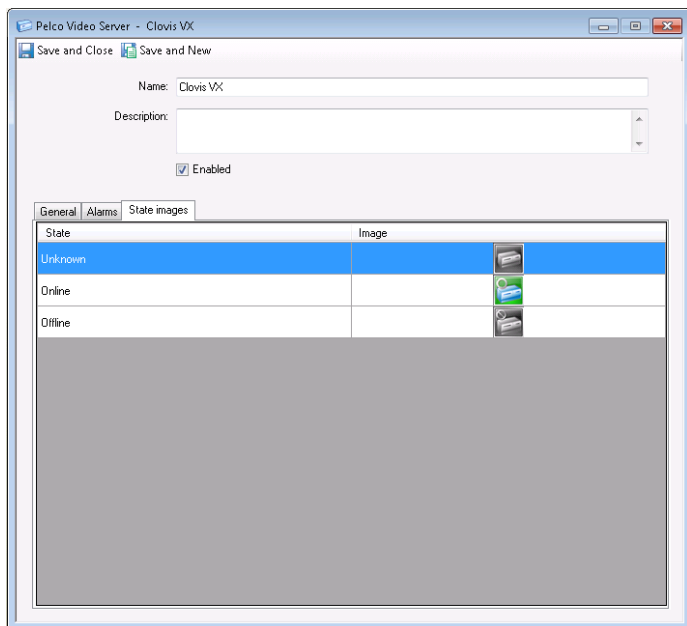
Procedure

1. Click the **State Images** tab.

NOTE: You cannot add or remove states. Moreover, you cannot modify a state (for example, changing its name) except for

Pelco VideoServer

- changing its associated icon.
- To change a state's icon, double-click the icon to change, to bring up a file browser dialog.
- Then browse and click the replacement icon.

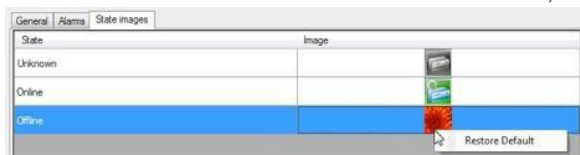


- Click **Save and Close** to save.

Restoring Default Pelco Video Server State Images

Procedure

- To restore the original default state image, right-click the desired state image to restore. A small menu appears with a single menu item: **Restore Default**.
- Click **Restore Default**. Then click **Save and Close**, to save.



Exporting Pelco Video Server Settings

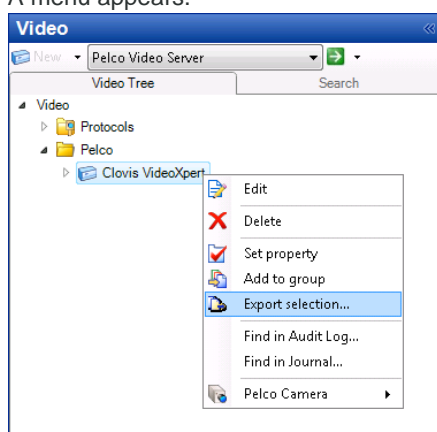
About this task

In certain situations, you might want to export your Pelco Video Server settings into an XML text file. This section describes how to export Pelco Video Server settings.

Procedure

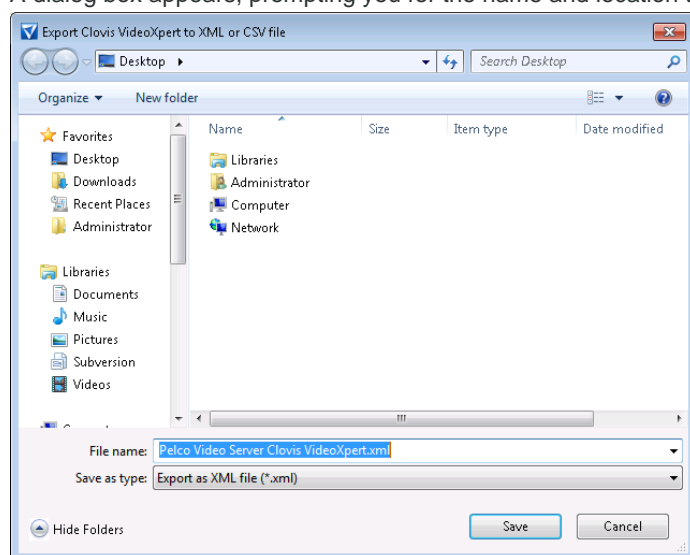
1. Right-click the desired Pelco Video Server to backup.

A menu appears.



2. Click **Pelco Video Server > Export selection...**

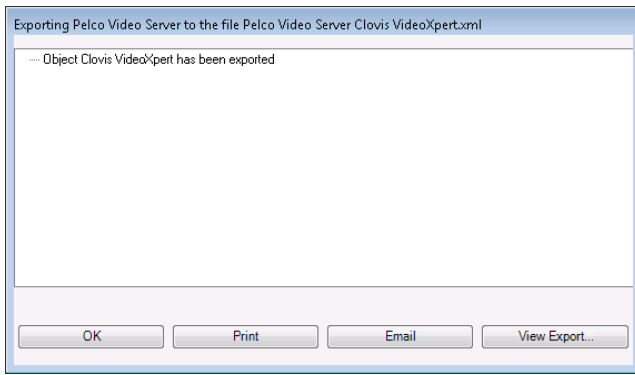
A dialog box appears, prompting you for the name and location to save the XML file.



3. Click **Save** to save the file.

A dialog box appears indicating whether the export was successful.

Pelco VideoServer



4. Click **OK** to close this dialog.

Pelco Video Camera

What is in This Chapter?

- [Overview](#)
- [Adding a Pelco Video Camera](#)
- [Editing a Pelco Video Camera](#)
- [Deleting Pelco Video Cameras](#)
- [Pelco Video Camera Alarms / Events](#)
- [Updating Pelco Video Camera State Images](#)
- [Restoring Pelco Video Camera State Images](#)
- [Accessing a Pelco Video Camera's View](#)
- [Showing Overlays](#)
- [Taking a Snapshot of the Current Video Frame](#)
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- [Displaying Detected Motion](#)
- [Displaying Analytics](#)
- [Exporting Pelco Video Camera Settings](#)
- [Finding a Camera in the Audit Log](#)
- [Finding a Camera in the Journal](#)

Overview

A Pelco Video Camera describes Pelco IP Video products such as IP cameras and encoders.

Essential Tasks

The following is a list of essential tasks related to using the Pelco Video Server:

- **Adding a Pelco Video Camera:** Adding a camera can be done in one of two ways:
 - Using the **Import Camera** tool in the Pelco Video Server's **General Settings** dialog box. For details please refer to either [Adding a Pelco Video Server](#) or [Editing a Pelco Video Server](#) topics.
 - Adding a single camera at a time, as described in the [Adding a Pelco Video Camera](#) topic.
- [Editing Pelco Video Camera General Settings](#)
- **Controlling a Pelco Video Camera:**
 - [Accessing a Pelco Video Camera's View](#)
 - [Showing Overlays](#)
 - [Taking a Snapshot of the Current Video Frame](#)

- **Playback Controls for a Previously Recorded Stream:**
- Fast Forward
- Reverse
- Play
- Pause
- Stop
- Exporting a Stream
- Reconnecting the Camera
- Panning and Tilting
- Controlling Zoom

Other Tasks

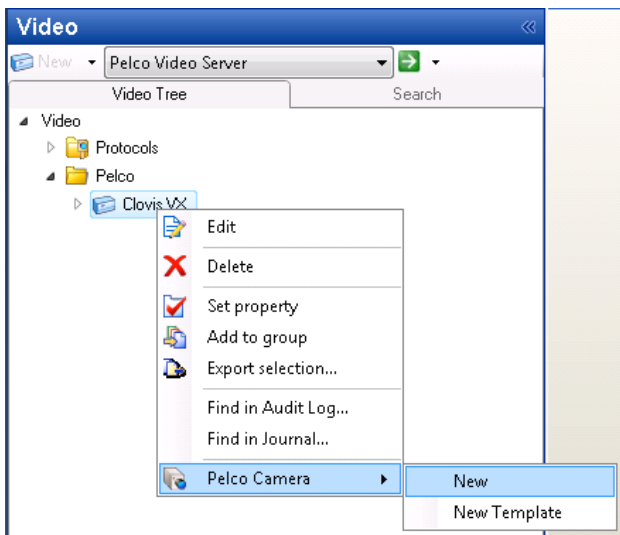
The following is a list of other tasks related to a Pelco Video Server:

- [Adding an Alarm](#)
- [Editing an Alarm](#)
- [Deleting an Alarm](#)

Adding a Pelco Video Camera

Procedure

1. To add a Pelco camera, right-click the desired Pelco Video Server, which in this example is **VideoXpert System**. A menu appears.



2. Select the **Pelco Video Camera > New** menu item.
A **Pelco Video Camera** dialog box appears. This dialog box contains forms regarding general Pelco Video Camera configuration settings. Refer to [Pelco Video Camera General Settings](#) for a detailed description of General Settings.
3. Click **Import**.
If successful, you should be able to view a stream as well as other information pertinent to the camera like its name and description.
4. Click **Save and Close** to save the changes.
You can view the newly added camera item.

Pelco Video Camera General Settings

Pelco Camera - Camera 01

Save and Close Save and New

Name: Camera 01

Description: Cam38

Enabled

General Alarms State images

Camera Number: 1056 Camera Type: Dome 10.221.224.80:0 Import

Audio

Mode: Unicast Multicast

Stream Settings

Video Quality: High Bandwidth Low Bandwidth

Details	High Bandwidth Stream	Low Bandwidth Stream
Compression:		
Resolution:	0 x 0	0 x 0
Frame Rate:	0	0

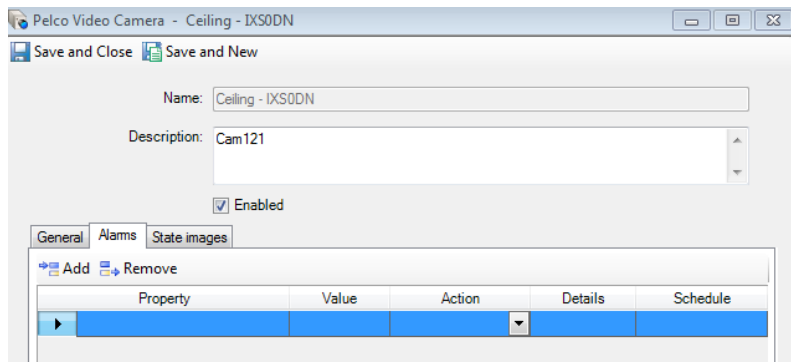
The following describes the fields in **General Settings**:

NOTE: These settings only apply in the context of C•CURE 9000. You can still use the camera elsewhere, even if it is disabled here.

Name	The friendly name for the Pelco Video Camera.
Description	A short description that provides details on the Pelco Video Camera. It is also possible to edit the description after the camera has been added.
Enabled	If checked, the Pelco Video Camera is enabled and operational. If unchecked, the Pelco Video Camera is disabled and not operational.

Camera Type	Describes the type of Pelco Video Camera. This field is automatically detected when initially adding the Pelco Video Camera.
Camera Number	The camera number is an arbitrary number assigned to a camera in Pelco Video Server as a way of identifying it. NOTE: Camera numbers are optional, but for the Pelco / C•CURE 9000 integration every camera must have a number other than "0". Every number must also be unique. When a camera is imported, either individually or using the Import Cameras feature from the SM screen, the camera number is used to identify the camera and retrieve its information.
Mode	Determines Unicast vs. Multicast
Video Quality	Determines High Bandwidth vs. Low Bandwidth

Pelco Video Camera Alarm Settings



The **Property** field has the following possible options:

Video Camera Alarm	Denotes a general Pelco Video Camera alarm.
Videoloss	Denotes an alarm related to a loss of Video state.

NOTE: The Videoloss alarm needs to be enabled for the camera. Cameras which do not have this enabled do not report anything.

There are several subtypes, as discussed below.

The **Value** field determines which alarm state for determining when this software performs a desired action. Alarms have two general states: triggered and normal (non-triggered). There are several options:

Normal	The alarm's non-triggered state.
Motion	A triggered event related to Pelco's Motion Detection service, indicating that the camera has detected motion in one of the zones of interest.
Analytics	A triggered event related to Pelco Analytics. For example, the camera has detected that an object was removed from a particular area.
Alarm	A triggered event related to a physical or virtual alarm, such as a physical on/off switch connected to the camera.

The **Action** field determines the type of action to perform when the desired alarm state is reached. Possible options include following:

Activate Event	Activates a particular event. For further details, please refer to the Activating an Event topic.
Video Camera Action	Triggers a specific camera action. For further details, please refer to the Triggering a Video Camera Action topic.

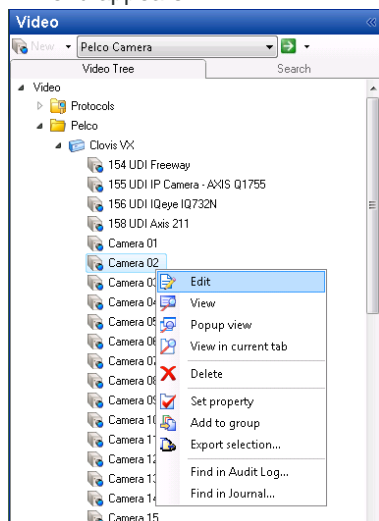
The **Schedule** field displays a drop-down list of pre-configured schedules. Use browse ... to select a Schedule that you want to associate with the alarm.

Editing a Pelco Video Camera

Procedure

1. To edit an existing Pelco Video Camera, right-click the desired camera.

A menu appears.

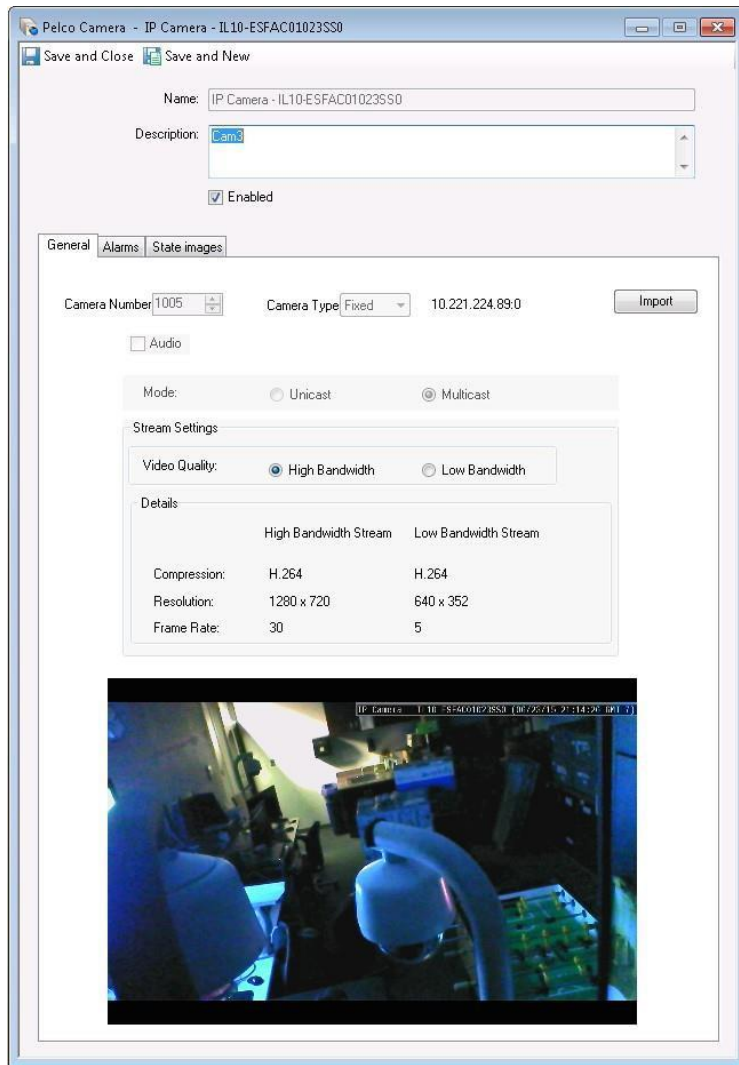


2. Select the **Pelco Video Camera > Edit** menu item.

A **Pelco Video Camera** dialog box appears. This dialog box contains forms regarding general Pelco Video Camera configuration settings. Refer to [Pelco Video Camera General Settings](#) for a detailed description of General Settings.

3. Optionally, click **Update Port**.

If successful, you can view a stream as well as other information pertinent to the camera like its name and description.



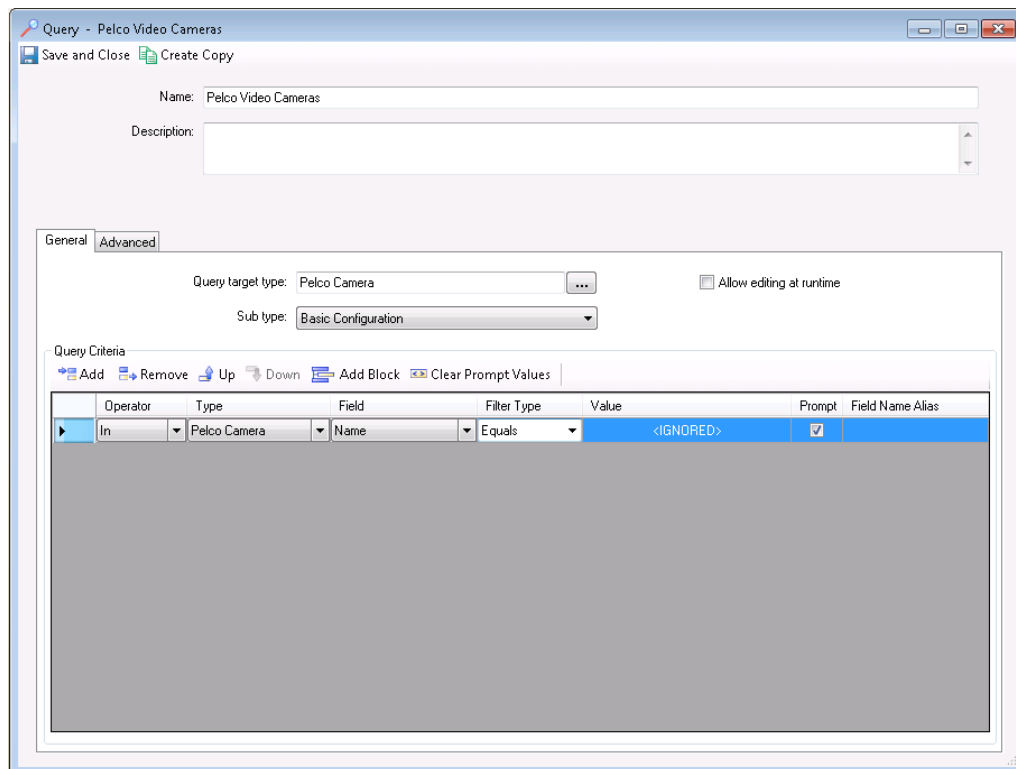
4. Click **Save and Close** to save.

Deleting Pelco Video Cameras

To delete one camera, right-click the camera and select delete. To delete multiple cameras, follow this procedure.

Procedure

1. Create a query from within Data Views and filter for Pelco Video Cameras. For more information on creating queries, refer to [Queries](#) section.



2. Run the query.

A list of Pelco cameras appears.

Drag columns to group by here

Name	Description
154 UDI Freeway	Cam2
IP Camera - IL10-ESFAC010235S0	Cam3
IP Camera - IDE10DN-ACLQS13	Cam4
CLOVIS-DS - Arecont Vision1	Cam5
IP Camera - IXE20C-ABKYV5	Cam6
IP Camera - IX30DN-ABEXDR6	Cam7
CLOVIS-DS - IP Camera - IDE10DN-ACLQS14	Cam8
CLOVIS-DS - IP Camera - IL10-ESFAC010235S0	Cam9
156 UDI IQeye IQ732N	Cam10
CLOVIS-DS - IP Camera - D5118-ABYBDJ4	Cam11
IP Camera - D5118-ABYBDJ4	Cam12
CLOVIS-DS - IP Camera SpectralV-IP-AAXBVF9	Cam13
CLOVIS-DS - IP Camera - IXE20DN-PO-AAPLPK2	Cam14
Camera-1 - IP Encoder - NET5404T-ACAN719	Cam15
CLOVIS-DS - IP Camera - IDE20DN-ACJZKY4	Cam16
CLOVIS-DS - Camera-1 - IP Encoder - NET5404T-ACAN719	Cam17

3. Select multiple cameras from the query results. Then right-click and **Delete**.

Drag columns to group by here	
Name	Description
154 UDI Freeway	Cam2
IP Camera - IL10-ESFAC01023SS0	Cam3
IP Camera - IDE10DN-ACLQS13	Cam4
CLOVIS-DS - Arecont Vision1	Cam5
IP Camera - IXE20C-ABKYYV5	Cam6
IP Camera - IX30DN-ABEXDR6	Cam7
CLOVIS-DS - IP Camera - IDE10DN-ACLQS14	Cam8
CLOVIS-DS - IP Camera - IL10-ESFAC01023SS0	Cam9
156 UDI IQeye IQ732N	Cam10
CLOVIS-DS - IP Camera - D5118-ABYBDJ4	Cam11
IP Camera - D5118-ABYBDJ4	Cam12
CLOVIS-DS - IP Camera SpectralV-IP-AAXBVF9	Cam13
CLOVIS-DS - IP Camera - IXE20DN-PD-AAPLPK2	Cam14
Camera-1 - IP Encoder - NET5404T-ACAN719	Cam15
CLOVIS-DS - IP Camera - IDE20DN-ACJZKY4	Cam16
CLOVIS-DS - Camera-1 - IP Encoder - NET5404T-ACAN719	Cam17

Popup view

Delete

Set property

Add to group

Export selection...

Pelco Video Camera Alarms / Events

Overview

This topic contains details regarding alarm (event) configuration for Pelco Video Cameras. Pelco Video Server alarms are essentially XML formatted messages triggered by a Pelco Video Server, when some particular criteria is met. Specifically, the Pelco Video Server, acting as an event provider, sends these events and alarms to its subscribers such as software like C•CURE 9000.

NOTE: Alarms for the Online / Offline status of Pelco Video Cameras are supported.

- The Pelco Video Server notices disconnected cameras only at the next poll interval (Device Advertisements Renew Interval, normally set to 30 minutes). As it can take the Pelco Video Server up to 30 minutes to detect a disconnected or powered off camera, a delay of that amount of time can result.
- The SWH poll period must also be considered, but it is much shorter (normally set to one minute).

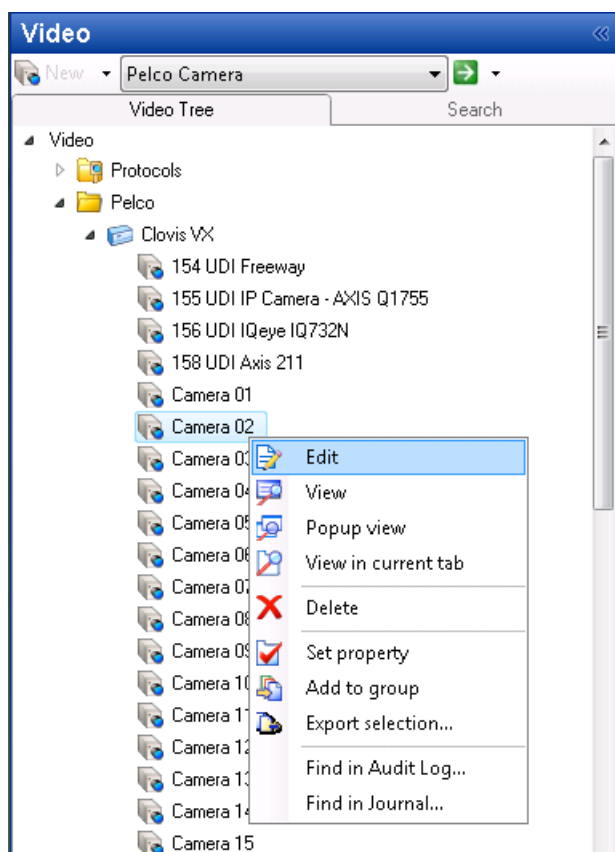
Adding an Alarm

This section describes how to add a Pelco Video Camera alarm.

Procedure

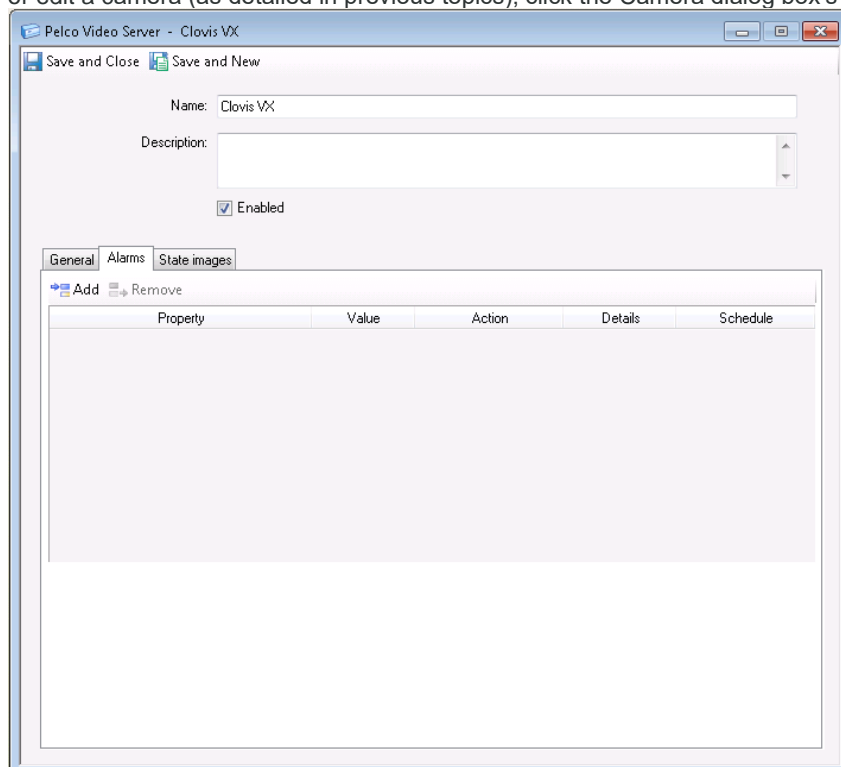
1. Right-click the desired Pelco Video Camera to edit.

A menu appears.



2. Select the **Pelco Video Camera > Edit** menu item.

A dialog box appears containing settings relevant to the camera being edited. Assuming you have already started to either add or edit a camera (as detailed in previous topics), click the Camera dialog box's **Alarms** tab.



- To start adding a new alarm for a Pelco Video Camera, click **Add**.

A new and empty row appears.

- Start configuring the new alarm by selecting its **Property** field.

The **Property** field has the following possible options:

Video Camera Alarm Denotes a general Pelco Video Camera alarm.

Videoloss Denotes an alarm related to a loss of Video state.

NOTE: The Videoloss alarm needs to be enabled for the camera. Cameras which do not have this property enabled do not report anything.

There are several subtypes, as discussed below.

- Click the **Value** field.

The **Value** field determines which alarm state for determining when to perform a desired action. Alarms have two general states: triggered and normal (non-triggered). There are several options:

Normal The alarm's non-triggered state.

Motion A triggered event related to Pelco's Motion Detection service, indicating that the camera has detected motion in one of the zones of interest.

Analytics A triggered event related to Pelco Analytics. For example, the camera has detected that an object was removed from a particular area.

Alarm A triggered event related to a physical or virtual alarm, such as a physical on/off switch connected to the camera.

- Click the **Action** field.

The **Action** field determines the type of action to perform when the desired alarm state is reached. Possible options include following:

Activate Event Activates a particular event.

Video Camera Action Triggers a specific camera action.

- Click on the **Schedule** field, which displays a drop-down list of pre-configured schedules. Use browse ... to select a Schedule that you want to associate with the alarm.

Activating an Event

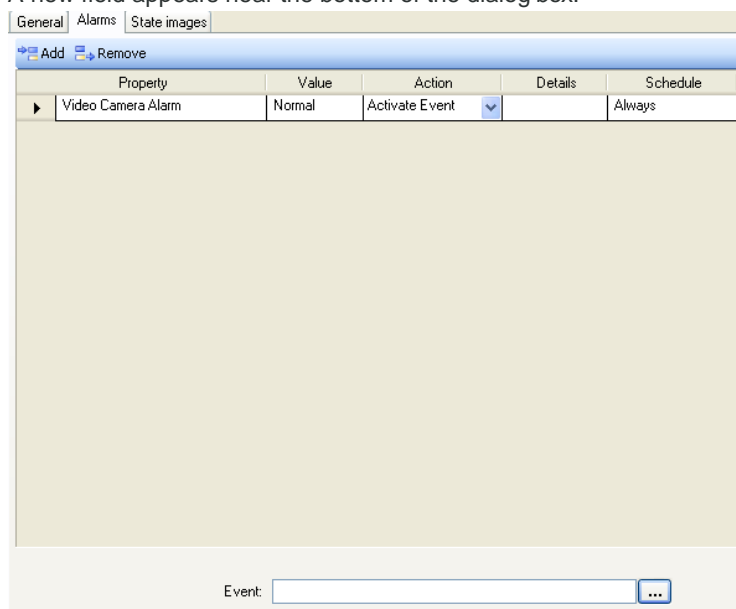
About this task

After you have created custom events in the Configuration pane, Activating an Event provides the ability to choose one of your custom events to trigger when a camera alarm comes in. For example, you might create an event called "Camera 3 Motion Detected," then set up motion alarms from Camera 3 to trigger this event.

Procedure

- Select the **Activate Event** option in the **Action** field.

A new field appears near the bottom of the dialog box.



2. Click the **Event** field
A new window appears containing a list of your custom events. Additionally, there can be several default events to choose from:
 - **Audit Log Backup Event:** Audit the backup log
 - **Journal Log Backup Event:** Journal the backup log
 - **Remove Report Results:** Removing the obsolete results of the report
3. Double-click the desired event.

Triggering a Video Camera Action

About this task

If you selected the **Video Camera Action** option in the **Action** field, new **Server** and **Camera** fields appears near the bottom of the dialog box.

Property	Value	Action	Details	Schedule
Video Camera Alarm	Normal	Video Camera A		Always

Camera Action Type

Server: ...

Camera: ...

Procedure

1. Determine the Pelco Video Camera that to perform the action. Click on the **Server** field.
A list of added Pelco Video Servers appears.
2. Select the desired Pelco Video Server by double-clicking it.
The selected Pelco Video Server appears in the **Server** field.
3. Click the **Camera** field.
A list of added Pelco Video Cameras appears.
4. Select the desired Pelco Video Camera by double-clicking it.
The selected Pelco Video Camera appears.
5. Configure the type of action to perform. Click the **Action Type** tab.

Camera Action Type

Action Type: Record Camera

Pre Alarm Time: 1 : 5 mm:ss

Post Alarm Time: 1 : 5 mm:ss

You can view settings that configure the action to perform.

6. Select from one of several actions to perform from the **Action Type** field.

The following are valid **Action Type** values:

- **Record Camera**: Begin recording the camera's live stream
- **Camera Preset Command**: Use one of the camera's pre-existing presets
- **Camera Pattern Command**: Use one of the camera's pre-existing patterns

7. Configure both the **Pre alarm Time** and **Post alarm Time** fields.

NOTE: Pre alarm time and Post alarm time only apply to the Record Camera action.

The pre-alarm and post-alarm times settings notify the Pelco Video Server that the duration encompassing the time when the alarm triggered, is very important. For example, if an alarm was triggered at 12:30:00, a pre-alarm time of one minute five seconds and a post-alarm time of one minute five seconds would mark duration from 12:28:55 to 12:31:05 as very important. This situation has multiple consequences, including: if the Pelco Video Server needed to clear old recorded Video for more space to provide room for new incoming recorded Video; recorded Videos marked as important would either be deleted last from the delete queue or they would not be deleted at all.

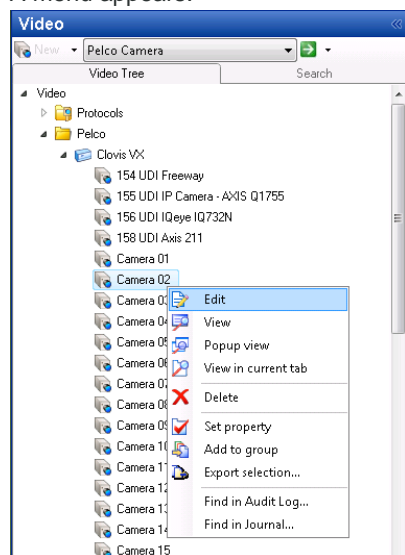
8. Click **Save and Close** in the top left portion of the dialog box to save changes to the camera.

Editing an Alarm

Procedure

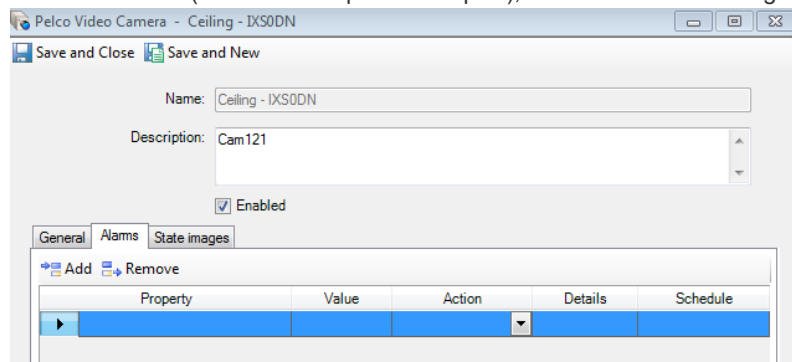
1. To begin editing an existing Pelco Video Camera alarm, right-click the desired Pelco Video Camera to edit.

A menu appears.



2. Select the **Pelco Video Camera > Edit** menu item.

A dialog box appears containing settings relevant to the camera being edited. Assuming you have already started to either add or edit a camera (as detailed in previous topics), click the Camera dialog box's **Alarms** tab.



3. To start editing an existing alarm for a Pelco Video Camera, click the desired alarm to edit.
NOTE: All the fields for a given alarm type must be filled in before you can save the camera's settings.

4. Start configuring the alarm by selecting its **Property** field.

The **Property** field has the following possible options:

Video Camera Alarm Denotes a general Pelco Video Camera alarm.

Videoloss Denotes an alarm related to a loss of Video state.

NOTE: The Videoloss alarm needs to be enabled for the camera. Cameras which do not have this enabled do not report anything.

There are several subtypes, as discussed below.

5. Click the **Value** field.

The **Value** field determines which alarm state for determining when this software performs a desired action. Alarms have two general states: triggered and normal (non-triggered). There are several options:

Normal The alarm's non-triggered state.

Motion	A triggered event related to Pelco's Motion Detection service, indicating that the camera has detected motion in one of the zones of interest.
Analytics	A triggered event related to Pelco Analytics. For example, the camera has detected that an object was removed from a particular area.
Alarm	A triggered event related to a physical or virtual alarm, such as a physical on/off switch connected to the camera.

6. Click the **Action** field.

The **Action** field determines the type of action to perform when the desired alarm state is reached. Possible options include following:

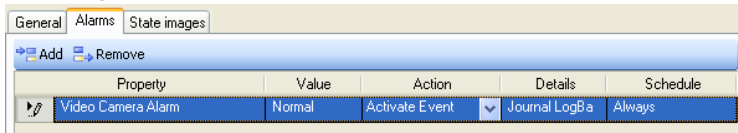
Activate Event	Activates a particular event.
Video Camera Action	Triggers a specific camera action.

7. Click the **Schedule** field, which displays a drop-down list of pre-configured schedules. Use browse ... to select a Schedule that you want to associate with the alarm.

Deleting an Alarm

Procedure

1. To remove an existing alarm, select the entire row of the alarm you want to delete using the row selector at the left-hand side of the dialog box.



2. Click **Remove** to remove the alarm.
3. Click **Save and Close** to save.

Updating Pelco Video Camera State Images

About this task

Pelco Video Camera state images are icons that represent a particular Pelco Video Camera state. The following are Pelco Video Camera states:

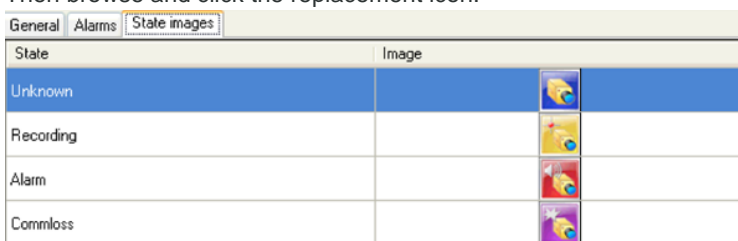
- **Unknown:** The current state of the Pelco Video Camera is unknown.
- **Recording:** The Pelco Video Camera is currently online and functioning properly.
- **Alarm:** A manual, or high-priority, recording.
- **Commloss:** Communication with the Pelco Video Camera has been lost.

Procedure

1. Click the **State Images** tab.

NOTE: You cannot add or remove states. Moreover, you cannot modify a state (for example, changing its name) except for changing its associated icon.

2. To change a state's icon, double-click the icon to change, to bring up a file browser dialog.
3. Then browse and click the replacement icon.



4. Click **Save and Close** to save.

Restoring Pelco Video Camera State Images

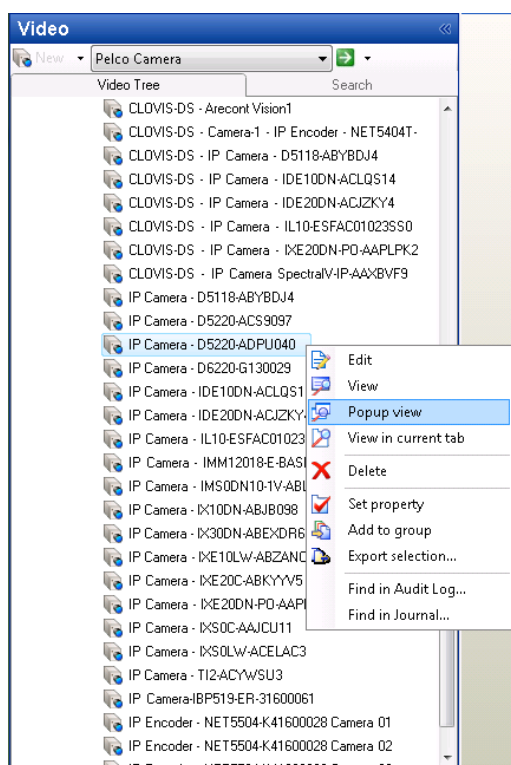
Procedure

1. To restore the original default state image, right-click the desired state image to restore. A small menu appears with a single menu item: **Restore Default**.
2. Click the **Restore Default** menu item. Then click **Save and Close**, to save your change.

Accessing a Pelco Video Camera's View

Procedure

1. To manage and view a live stream, right-click the desired device.
2. Select one of the following menu options:
 - **View:** Opens the video stream in a new tab in the main window
 - **Popup view:** Opens the stream in a separate popup window
 - **View in current tab:** Switches the current tab in the main window to the selected camera

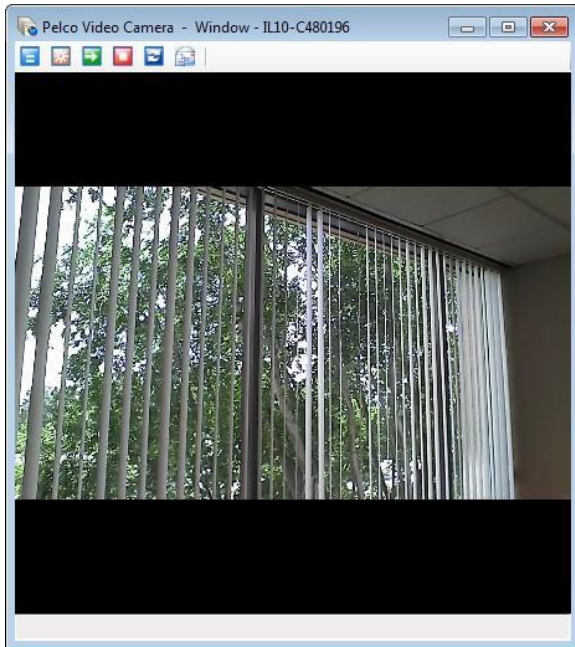


NOTE:

You must set the primary/secondary streams manually.

For Sarix platform devices, the secondary stream cannot be MJPEG.

Regardless of the type of view chosen, you view a Video stream as well as related controls.



The Pelco Video Camera's view window has the following controls:

- **Show overlay:** Shows overlays of the camera name, timestamp, and current playback speed, in addition to any text overlays that have been configured on the camera itself.
- **Take a Snapshot:** Creates a JPEG snapshot of the stream's current frame
- **Playback Recorded Stream:** Displays controls for playing back previously recorded portions of this stream.
- **Record a Stream:** Begins recording the current live stream (not supported)
- **Reconnect Camera:** Initiates a new connection to that camera if the camera connection has been lost.
- **Take a Snapshot and Email:** Creates a JPEG snapshot and sends the snapshot to the desired email recipients.

Showing Overlays

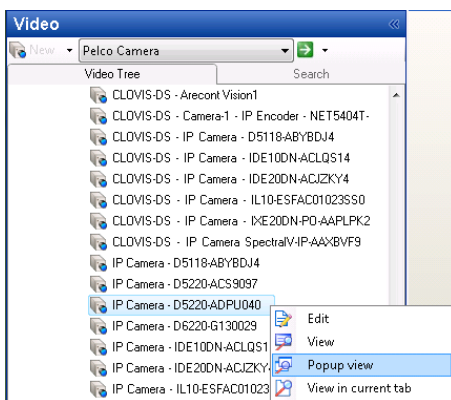
About this task

Before you can display the existing overlays for a Pelco Video Camera's currently displayed stream, you must open the Pelco Video Camera's view.

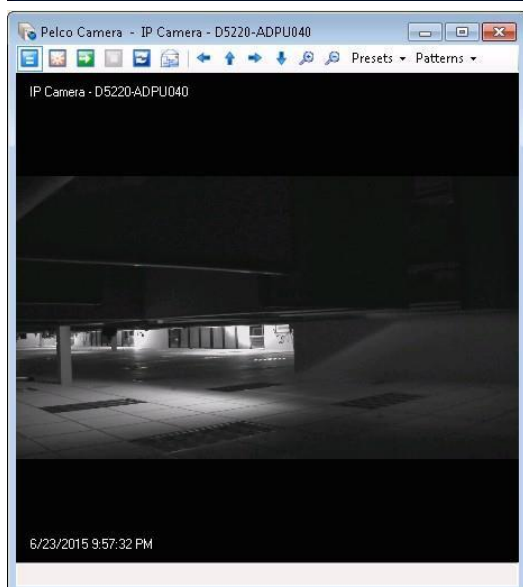
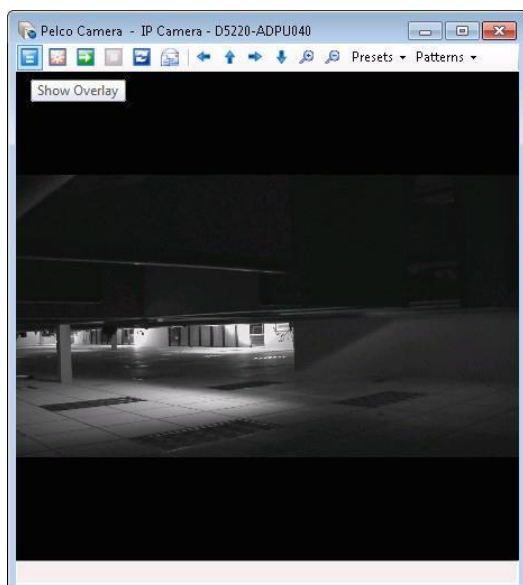
Procedure

1. Select one of the following menu options:

- **View:** Opens the video stream in a new tab in the main window
- **Popup view:** Opens the stream in a separate popup window
- **View in current tab:** Switches the current tab in the main window to the selected camera



2. To display a stream's existing overlays, click **Show Overlay** as shown below.



3. To hide overlays, click **Show Overlay** again.

Taking a Snapshot of the Current Video Frame

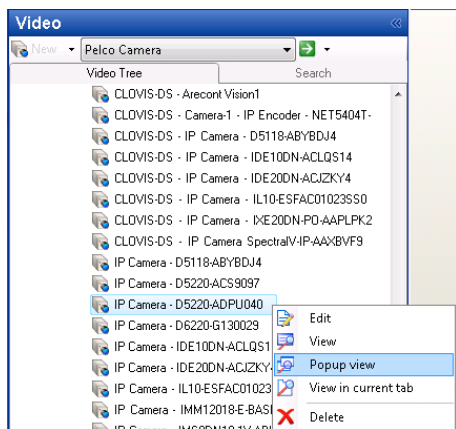
About this task

Before you can save a snapshot of the Pelco Video Camera's currently displayed stream, you must open the Pelco Video Camera's view.

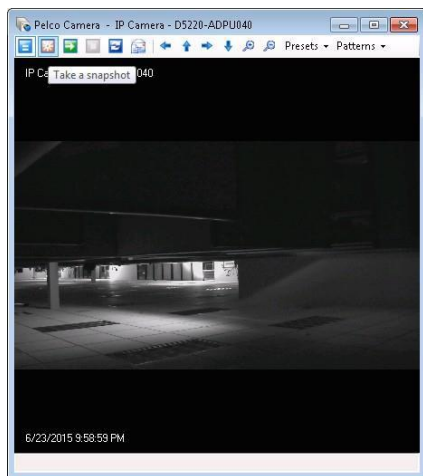
Procedure

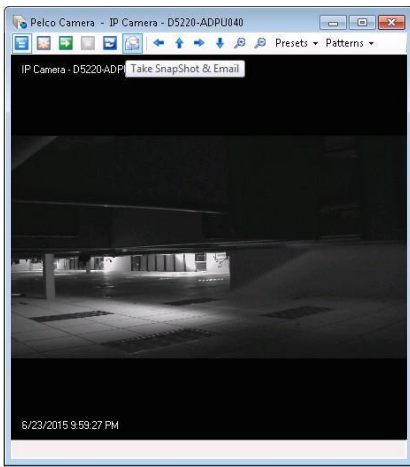
1. Select one of the following menu options:

- **View:** Opens the video stream in a new tab in the main window
- **Popup view:** Opens the stream in a separate popup window
- **View in current tab:** Switches the current tab in the main window to the selected camera



2. To create a snapshot of the Video frame, click either **Take a Snapshot**, which saves a single snapshot to the computer, or **Take a Snapshot and Email**, which saves a snapshot and sends that snapshot to the desired email recipients.





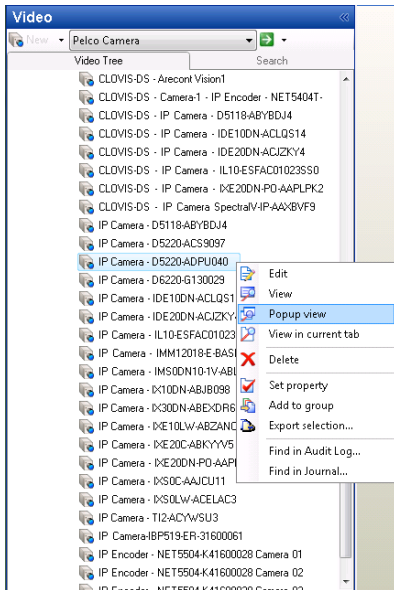
Playback control for a Previously Recorded Stream

About this task

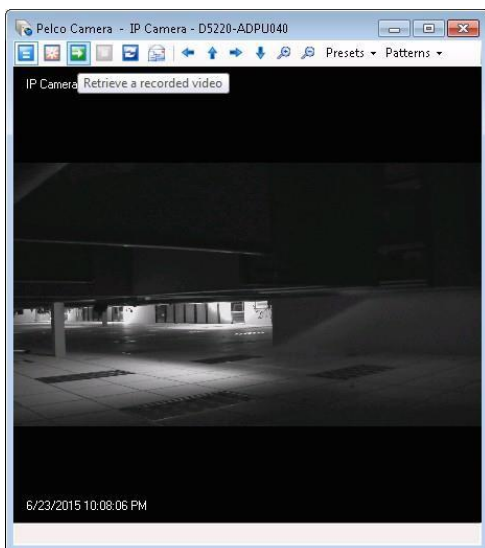
Before you can control a Pelco Video Camera's playback for recorded streams, you must open the Pelco Video Camera's view.

Procedure

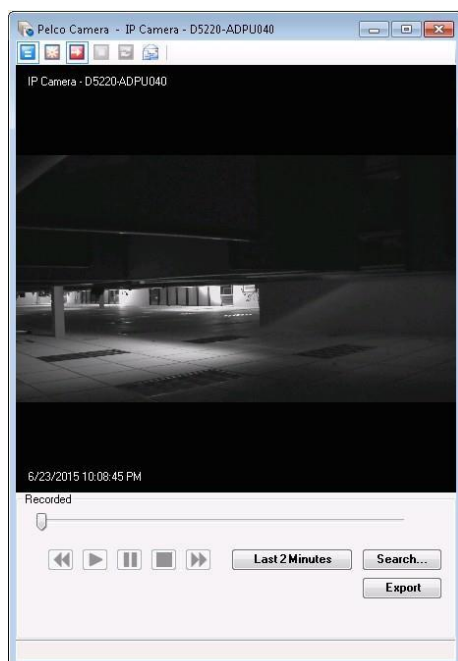
1. Select one of the following menu options:
 - **View:** Opens the video stream in a new tab in the main window
 - **Popup view:** Opens the stream in a separate popup window
 - **View in current tab:** Switches the current tab in the main window to the selected camera



Click the **Retrieve a recorded video** button at the top of the stream window.



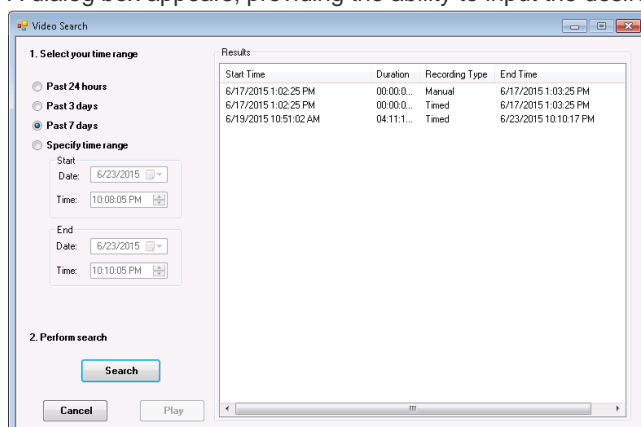
Controls appear near the bottom of the stream window.



NOTE: When the fast forward or fast reverse buttons are clicked, the video plays back faster for each successive click. Speeds are 2X, 4X, 8X, 16X, 60X, and 120X.

2. Click **Search**.

A dialog box appears, providing the ability to input the desired time range of recorded Video to retrieve.



3. Select your time range to filter recorded Video, either by choosing a pre-set span or by entering your own custom date and time span. Click **Search**.

If results are available, they appear in the results pane in the right side of the dialog.

4. To play a selection, select an item and then click **Play** or double-click the clip in the results list to play it.

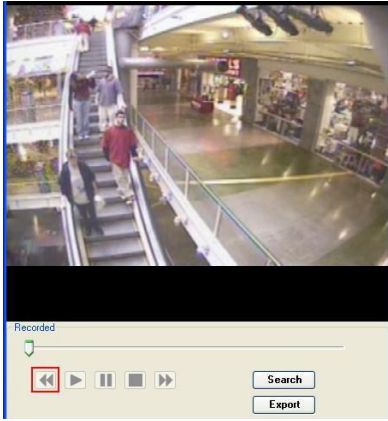
Reverse Playback Control

Before you begin

This topic assumes that you have already completed the steps outlined in the [Playback control for a Previously Recorded Stream](#) topic.

Procedure

To control reverse playback of a selection, select an item and then click **Reverse**.



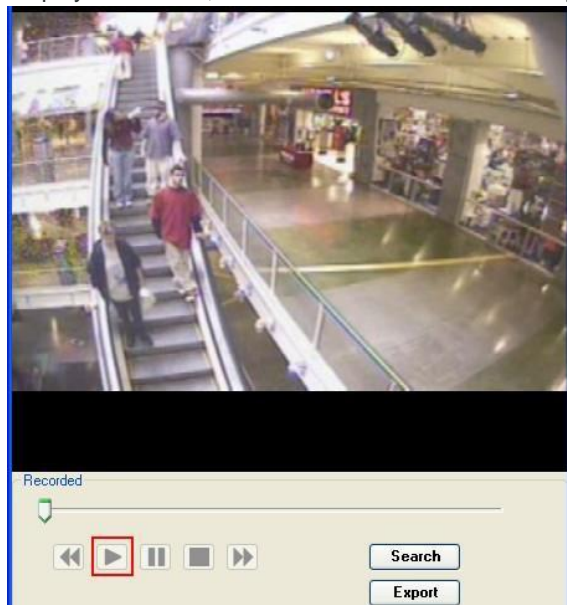
Forward Playback Control

Before you begin

This topic assumes that you have already completed the steps outlined in the [Playback control for a Previously Recorded Stream](#) topic.

Procedure

To play a selection, select an item and then click **Play** or double-click the clip in the results list to play it.



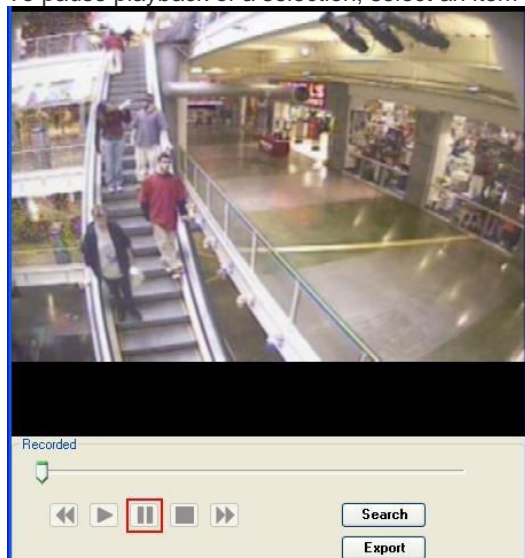
Pause Playback Control

Before you begin

This topic assumes that you have already completed the steps outlined in the [Playback control for a Previously Recorded Stream](#) topic.

Procedure

To pause playback of a selection, select an item and then click **Pause**.



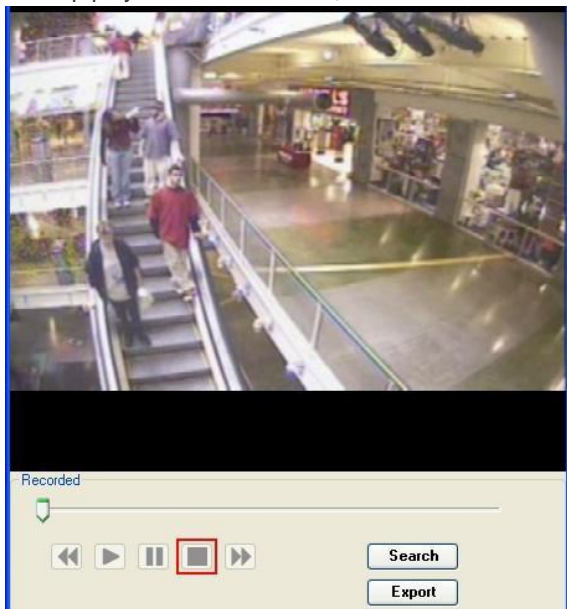
Stop Playback Control

Before you begin

This topic assumes that you have already completed the steps outlined in the [Playback control for a Previously Recorded Stream](#) topic.

Procedure

To stop playback of a selection, select an item and then click **Stop**.



Fast Forward Playback Control

Before you begin

This topic assumes that you have already completed the steps outlined in the [Playback control for a Previously Recorded Stream](#) topic. This section describes how to fast forward playback of a selection.

Procedure

Select an item and then click **Fast Forward**.



Exporting a Stream

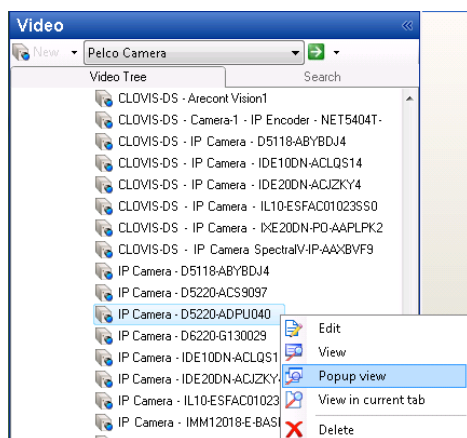
About this task

NOTE: The **Pelco Video Camera > Export selection...** menu exports an XML file containing information about the camera and its current settings; it does not export video.

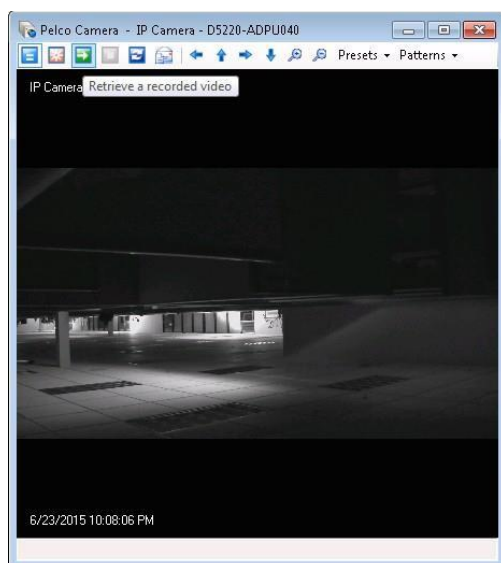
Procedure

1. To export video, open the camera for viewing. Right click the desired camera.

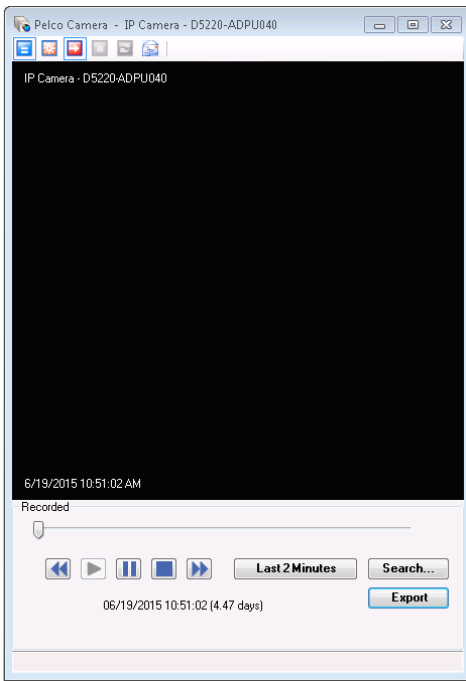
A menu appears.



2. Click the **Retrieve a recorded video** button at the top of the stream window.

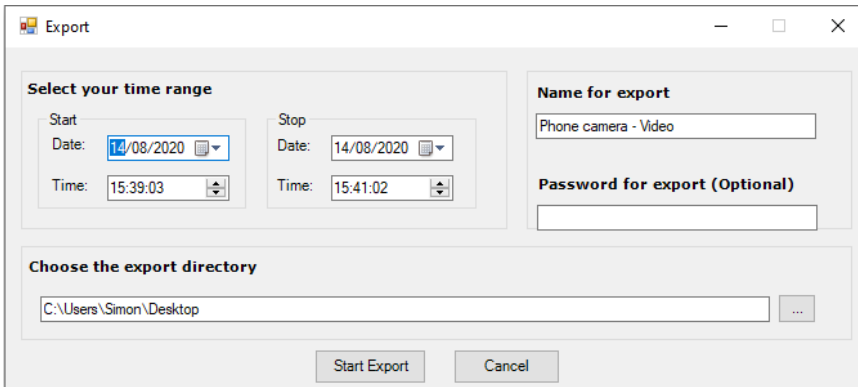


Controls appear near the bottom of the stream window.



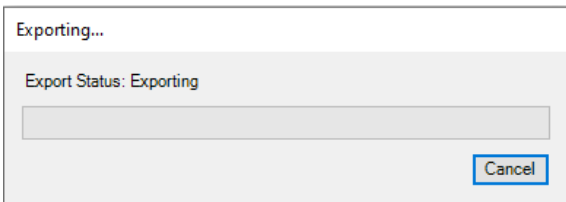
3. Click **Export**.

NOTE: The export dialog box form is initialized with a default clip two minutes long ending one minute before the current system time.

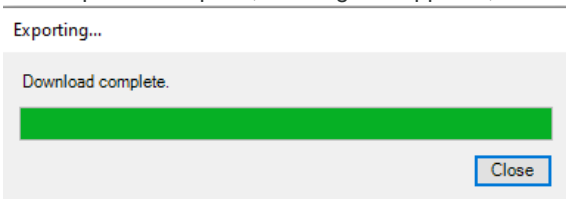


- 4. Choose the location where to place the exported file.
- 5. Click **Start Export** to begin exporting the recorded file.

An export status window appears, showing a progress bar.



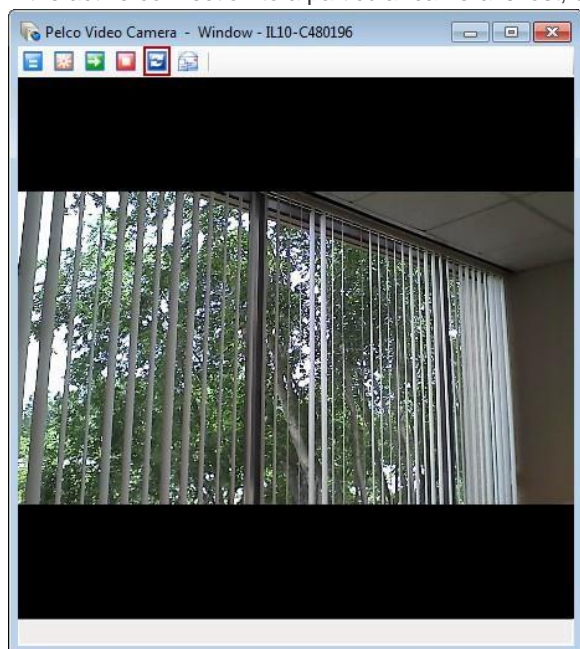
When the export is complete, a dialog box appears, informing you whether the export was successful or not.



Reconnecting the Camera

Procedure

If the active connection to a particular camera is lost, click **Reconnect Camera** to initiate a new connection for that camera.



Panning and Tilting

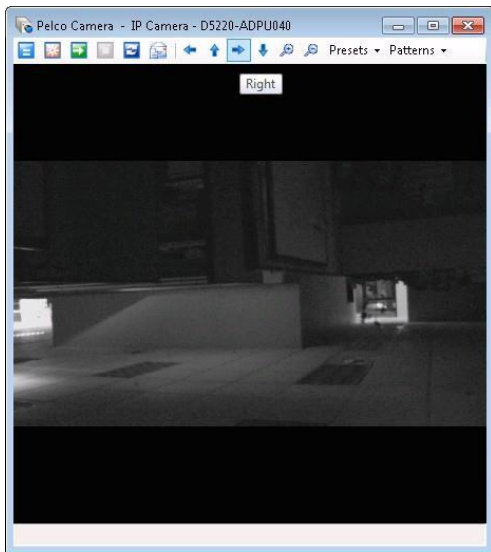
About this task

NOTE: Pan and tilt controls only apply for Pelco Video Cameras that support PTZ functionality. If the Pelco Video Camera does not support PTZ, then PTZ controls are not visible in the Pelco Video Camera view window. This section describes how to control an IP camera's panning and tilting functionality,

Before you can control a Pelco Video Camera's panning and tilting, you must open the Pelco Video Camera's view.

Procedure

1. Select one of the following menu options:
 - **View**: Opens the video stream in a new tab in the main window
 - **Popup view**: Opens the stream in a separate popup window
 - **View in current tab**: Switches the current tab in the main window to the selected camera
2. Click the corresponding direction arrows near the top portion of the view window for a particular camera. The camera continues moving in the direction specified for up to 15 seconds, or until the direction arrow is clicked.



Controlling Zoom

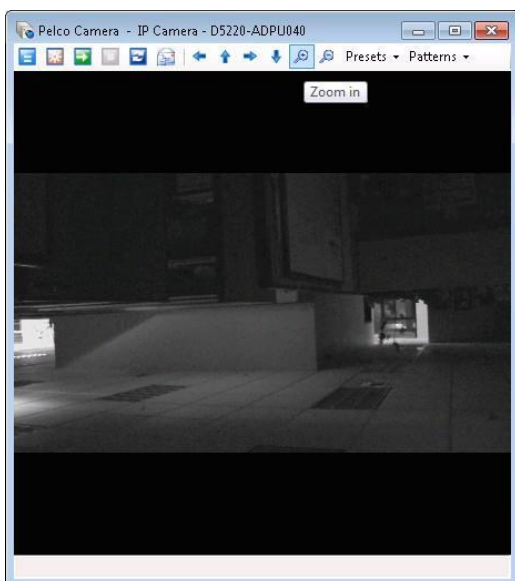
About this task

NOTE: Zoom controls only apply for Pelco Video Cameras that support Zoom functionality. If the Pelco Video Camera does not support Zoom, then Zoom controls are not visible in the Pelco Video Camera view dialog.

Before you can control a Pelco Video Camera's zoom, you must open the Pelco Video Camera's view.

Procedure

1. Select one of the following menu options:
 - **View:** Opens the video stream in a new tab in the main window
 - **Popup view:** Opens the stream in a separate popup window
 - **View in current tab:** Switches the current tab in the main window to the selected camera
2. To control a IP camera's zoom functionality, use the control buttons in the top right portion of the view window. The icon with the plus (+) represent zooming in, while the icon with the minus (-) represents zooming out.



Presets

A preset is a script that supports users saving a camera's position, zoom, and other settings (such as autoiris and autofocus), collectively as a "bookmark". Users can save multiple presets per camera. For example if a user monitoring several specific points using the same camera, the user can set one preset for the main entrance with a moderate zoom value, and the user can set another preset for a vulnerable window, lying some ways from the main entrance, with a higher zoom value and a specific position.

Executing a Preset

About this task

NOTE: Not all Pelco Video Cameras support presets. This feature might or might not be available for your IP camera.

Before you can activate a Pelco Video Camera's preset, you must open the Pelco Video Camera's view.

Procedure

1. Select one of the following menu options:
 - **View:** Opens the video stream in a new tab in the main window
 - **Popup view:** Opens the stream in a separate popup window
 - **View in current tab:** Switches the current tab in the main window to the selected camera
2. Select the **Presets** drop-down. A list of configured presets appears

Patterns

A pattern is a set of memorized, repeating series of pan, tilt, and zoom movements that can be recalled by a device. The number of patterns that can be recorded and activated is dependent on the device.

Activating a Pattern

About this task

NOTE: Not all Pelco Video Cameras support patterns. This feature might or might not be available for your IP camera.

Before you can activate a Pelco Video Camera's pattern, you must open the Pelco Video Camera's view.

Procedure

1. Select one of the following menu options:
 - **View:** Opens the video stream in a new tab in the main window
 - **Popup view:** Opens the stream in a separate popup window
 - **View in current tab:** Switches the current tab in the main window to the selected camera
2. Select the Patterns drop-down. A list of configured patterns appears.

Exporting Pelco Video Camera Settings

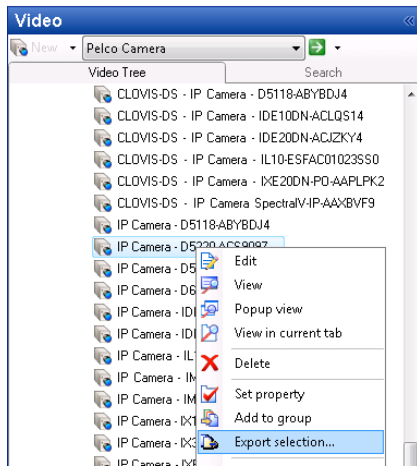
About this task

In certain situations, you might want to export your Pelco Video Camera settings into an XML text file. This section describes how to export Pelco Video Camera settings.

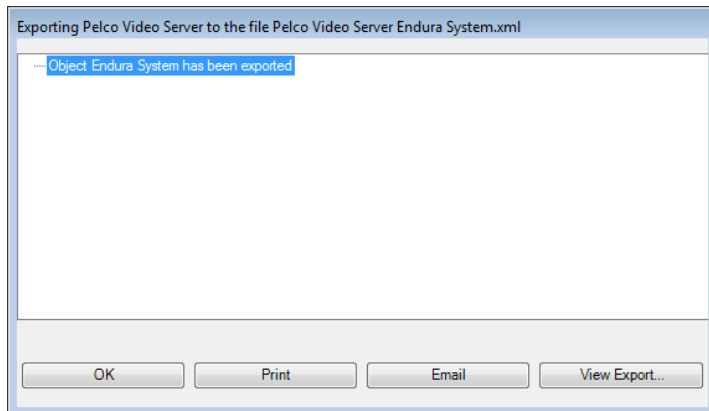
Procedure

1. Right-click the desired Pelco Video Camera to backup.

A menu appears.



2. Click the **Pelco Video Camera > Export selection...** menu item.
A dialog box appears, prompting you to determine where to save the XML text file, as well as its name.
3. Click **Save**.



A dialog box appears indicating whether the changes were successful.

4. Click **OK** to close this dialog.

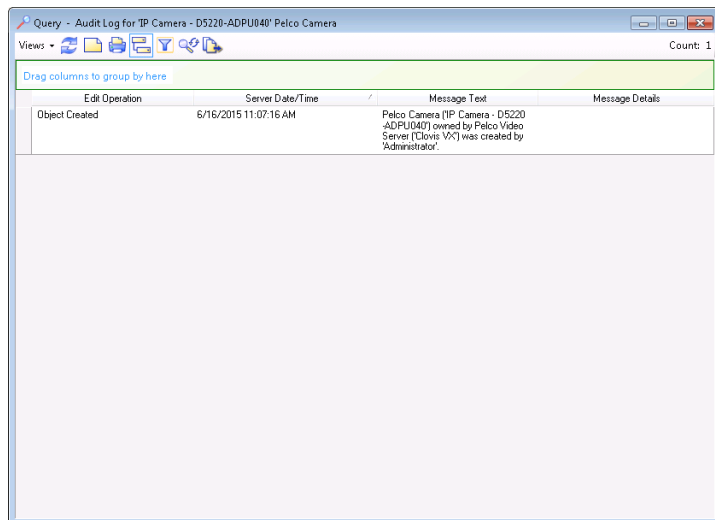
Finding a Camera in the Audit Log

About this task

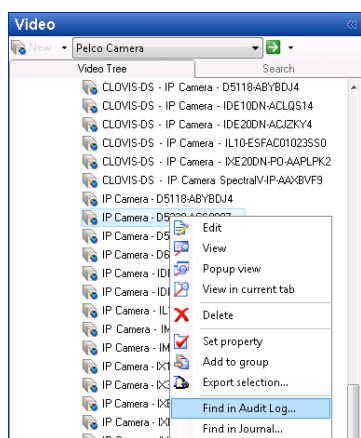
All configuration changes are recorded to an Audit Log. This section describes how to view an Audit Log.

Procedure

1. Right-click the desired Pelco Video Server.

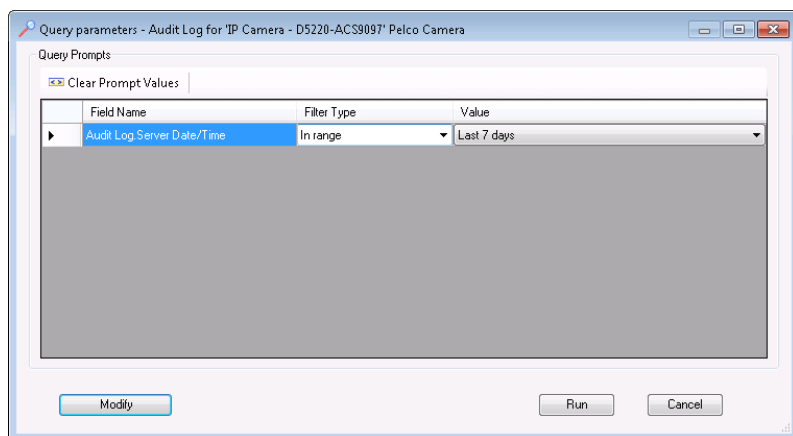


A menu appears.



2. Click the **Pelco Video Server > Find in Audit Log...** menu item.

A dialog box appears.



3. To view the log, click **Run**

The log appears.

Finding a Camera in the Journal

About this task

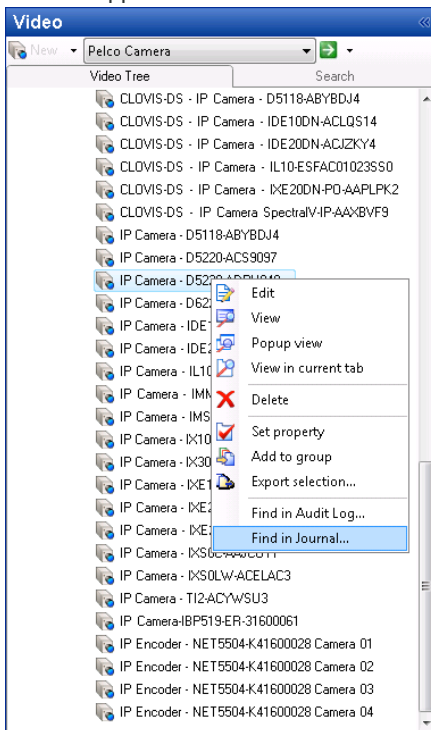
The C•CURE journal contains the following types of logged messages

- ObjectChangeState
- Communication Loss
- Motion
- Analytics
- Alarms
- Offline/Online
- Video Loss

Procedure

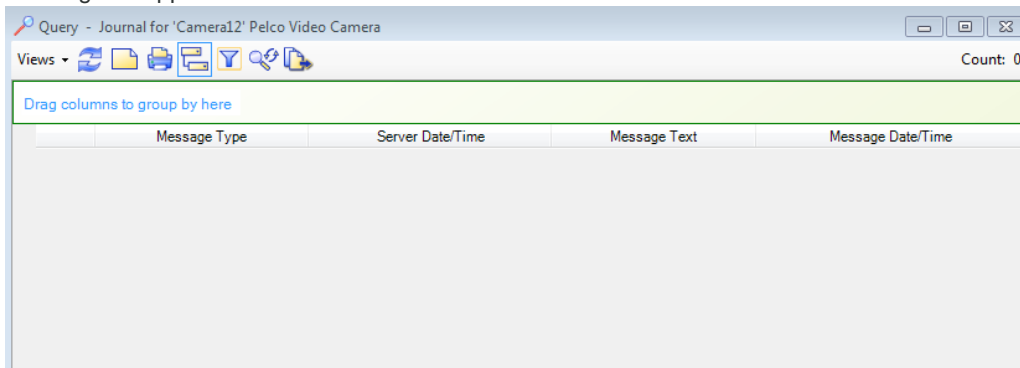
1. To view the Journal Log, right-click the desired Pelco Video Server.

A menu appears.



2. Click the **Pelco Video Server > Find in Journal...** menu item.
3. On the Query Parameters dialog, click **Run**.

A dialog box appears.



Video View

What is in This Chapter?

- [Overview](#)
- [Creating a Video View](#)
- [Editing a Video View](#)
- [Accessing a Video View](#)

Overview

Video Views are a layout of one or more Pelco Video Camera Video stream views. A Video View provides security operators the ability to look at more than one Pelco Video Camera view simultaneously.

NOTE: The integration plays 16 streams on a typical computer. You can play more streams, but a warning occurs when processor utilization reaches 60%. After this warning you can continue playing videos.

Essential Tasks

- [Creating a Video View](#)
- [Editing an Existing Video View](#)
- [Accessing a Video View](#)

Creating a Video View

About this task

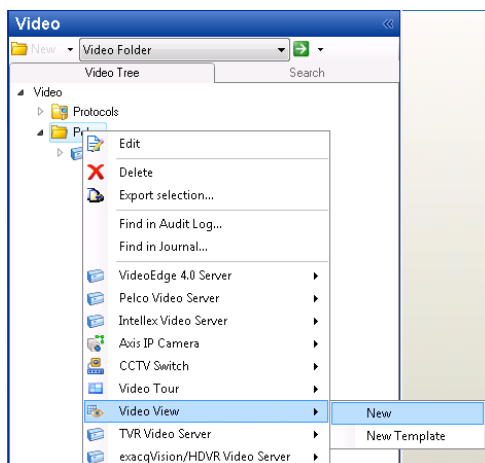
NOTE:

For Sarix platform devices, the secondary stream cannot be MJPEG.

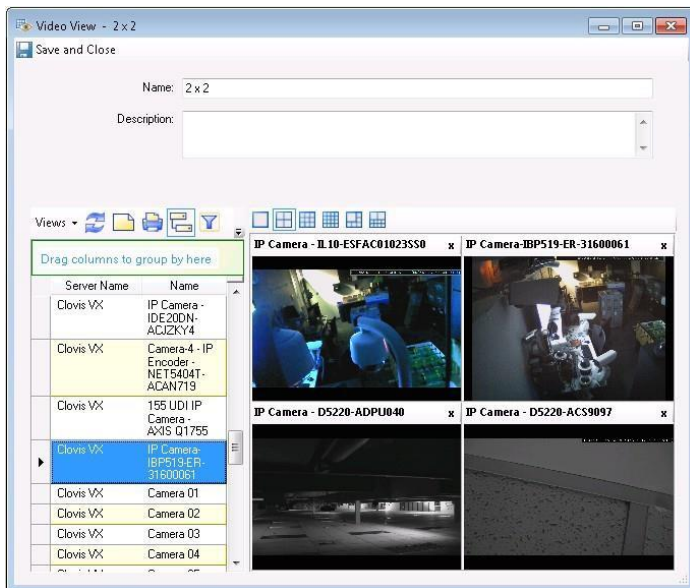
To create a new Video View, you must have already successfully added one or more Pelco Video Cameras.

Procedure

1. If you have already added one or more Video Views, create a new Video View by right-clicking the **Views** sub-folder, and select the **New** menu item. If you have not created any Video Views, right-click the video folder (Pelco, in this case), move the mouse cursor over Video View, then click **New** from the submenu that appears.



A **Video View** dialog box appears.



- Enter the Video View's name and description, then select the layout. You have the following options for the layout:
 - **1x1**: A Video View with only a single Pelco Video Camera stream.
 - **2x2**: A Video View with four Pelco Video Camera streams.
 - **3x3**: A Video View with nine Pelco Video Camera streams.
 - **4x4**: A Video View with sixteen Pelco Video Camera streams.
 - **1x5**: A Video View with six Pelco Video Camera streams.
 - **2x8**: A Video View with ten Pelco Video Camera streams.
- Drag the desired Pelco Video Cameras to display into their respective spots on the Video View layout.

Editing a Video View

About this task

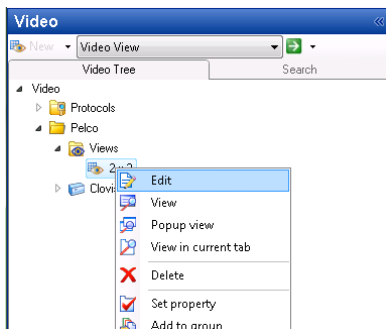
NOTE:

For Sarix platform devices, the secondary stream cannot be MJPEG.

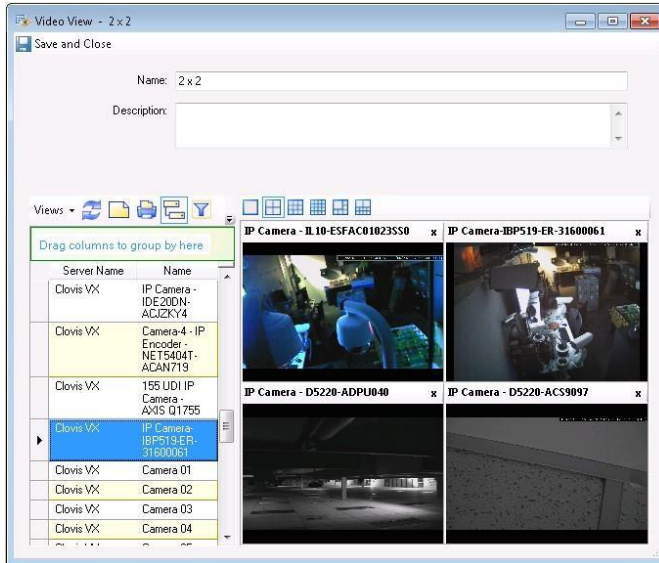
To create a new Video View, you must have already successfully added one or more Pelco Video Cameras. For details, please refer to the [Pelco Video Camera](#) section.

Procedure

- To edit an existing Video View, right-click the Video View to edit and select the **Edit** menu item.



A **Video View** dialog box appears.



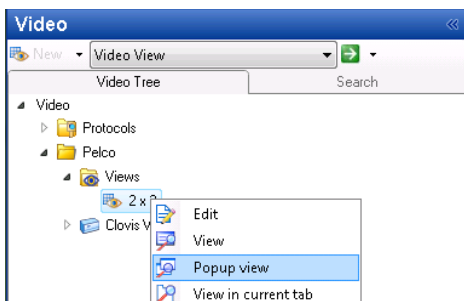
2. Enter the Video View's name and description, then select the layout. You have the following options for the layout:
 - **1x1**: A Video View with only a single Pelco Video Camera stream.
 - **2x2**: A Video View with four Pelco Video Camera streams.
 - **3x3**: A Video View with nine Pelco Video Camera streams.
 - **4x4**: A Video View with sixteen Pelco Video Camera streams.
 - **1x5**: A Video View with six Pelco Video Camera streams.
 - **2x8**: A Video View with ten Pelco Video Camera streams.
3. Drag the desired Pelco Video Cameras to display into their respective spots on the Video View layout.

Accessing a Video View

Procedure

To view an existing Video View, right-click the Video View to display its menu. Select one of the following menu options:

- **View**: Opens the video stream in a new tab in the main window
- **Popup view**: Opens the stream in a separate popup window
- **View in current tab**: Switches the current tab in the main window to the selected camera



Video View

The Video View is visible.



Video Tour

What is in This Chapter?

- [Overview](#)
- [Creating a Video Tour](#)
- [Editing a Video Tour](#)
- [Activating a Video Tour](#)

Overview

A Video Tour is a collection of Video Views, in which each Video View being shown has an allotted set of time. It is essentially a "slide show" of live Video Tours. You can also activate patterns or presets as part of the Video Tour.

Essential Tasks

- [Creating a Video Tour](#)
- [Editing a Video Tour](#)
- [Activating a Video Tour](#)

Creating a Video Tour

About this task

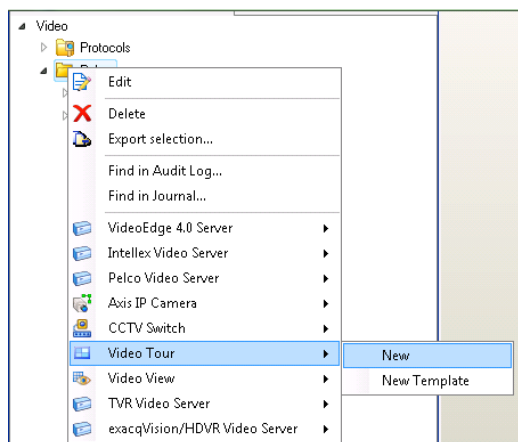
NOTE:

A Video Tour requires one or more Video Views.

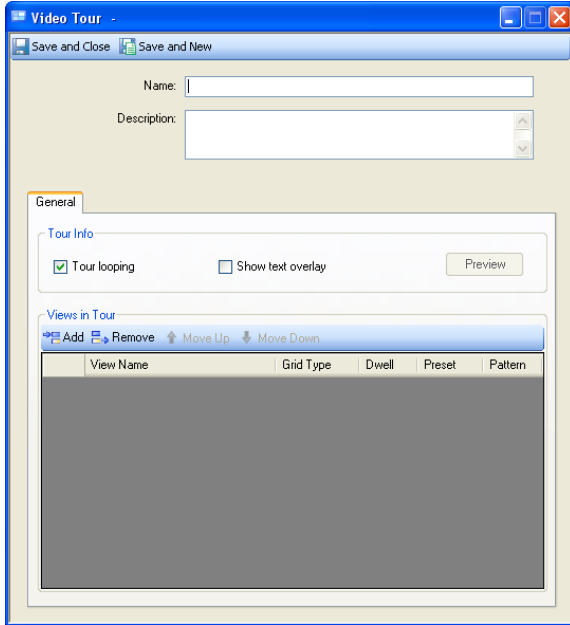
To create a new Video Tour, you must have already successfully added one or more Pelco Video Cameras. For details, please refer to the [Video View](#) section.

Procedure

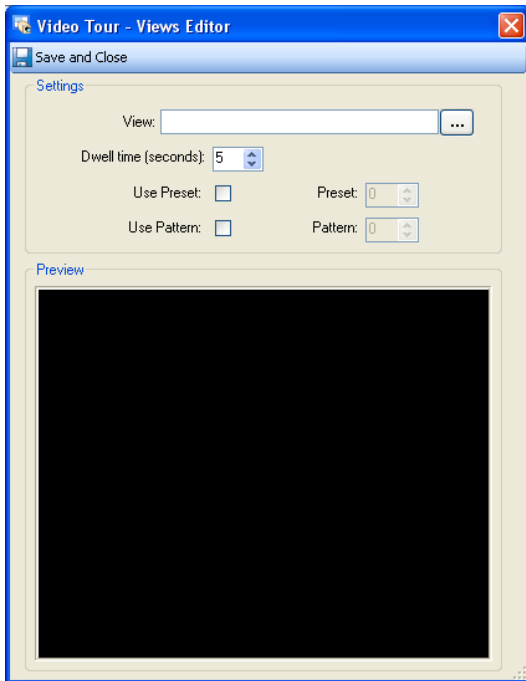
1. If you have already added one or more Video Tours, create a new Video Tour by right-clicking the **Tours** sub-folder, and select the **New** menu item. If you have not created any Video Tours, right-click the video folder (Pelco, in this case), move the mouse cursor over Video Tour, then click **New** from the submenu that appears.



A **Video Tour** dialog box appears.



- Enter the Video Tour's name and description. Mark the **Tour looping** check box if you want the Tour to run continuously without stopping. Mark the **Show text overlay** check box to display to display the camera name and timestamp overlays for each camera.



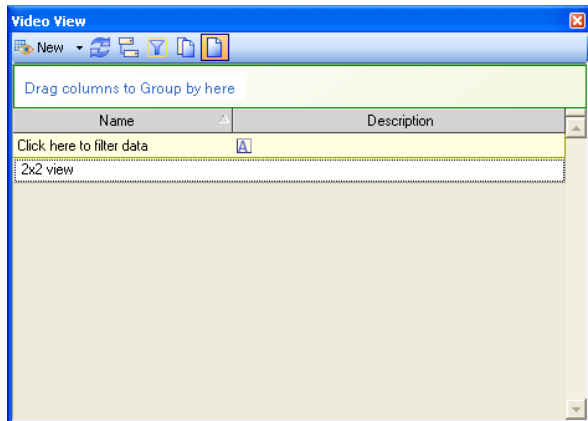
- Click **Add**.
A new Video View dialog box appears.
- Choose the desired view by clicking browse ... next to the **View** field.
- Set the desired amount of time to display the Video View in the **Dwell time** field.
- Mark the **Use Preset** check box to activate an existing preset, then select the desired preset to activate. Mark the **Use Pattern** check box to activate an existing pattern, then select the desired pattern to activate.

NOTE: You can only use a preset or pattern if your view has exactly one camera in it, and that camera is a PTZ camera.

Another dialog box appears listing available Video Views.

- Double-click Video Views to add them to the Video Tour. When you have finished adding Video Views to the Video Tour, click

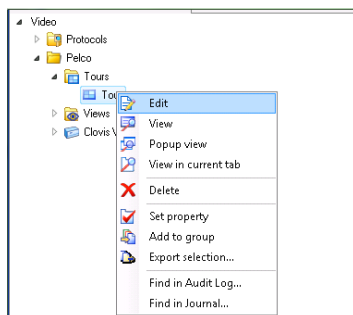
Save and Close. Your Video Tour is visible under the **Tours** folder.



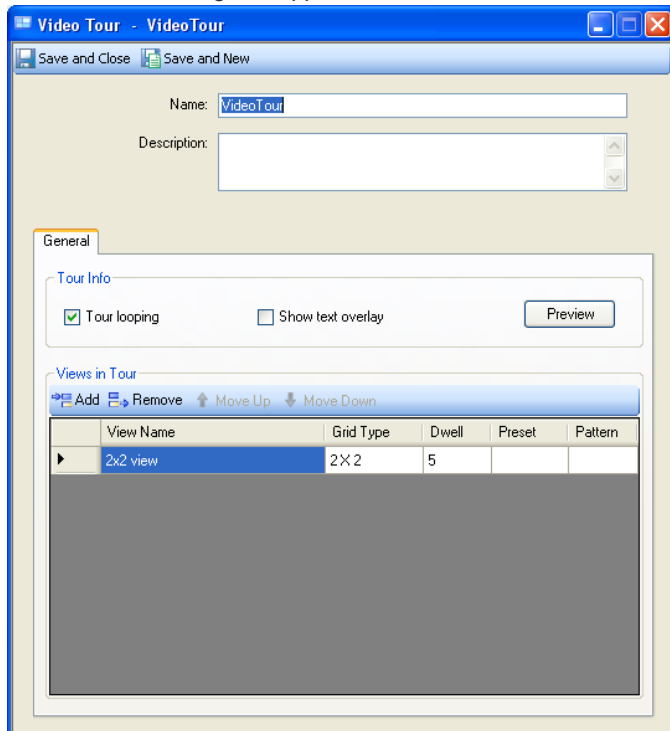
Editing a Video Tour

Procedure

1. To edit an existing Video Tour, right-click it, and then click the **Edit** menu item.



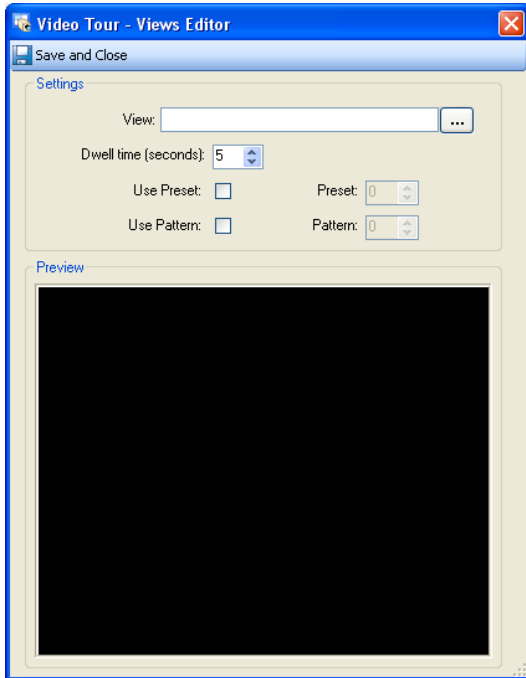
A **Video Tour** dialog box appears.



2. Enter the Video Tour's name and description. Mark the **Tour looping** check box if you want the Tour to run continuously without stopping. Mark the **Show text overlay** check box to display the camera name and timestamp overlays for each camera.

3. Select an added Video View and click **Remove** to remove them from the Video Tour, or you can edit an existing Video View item by double-clicking it. You can also click **Add** to add a new Video View item to the tour.

Regardless of whether you add a Video View item or edit an existing Video View item, a Video View dialog box appears.

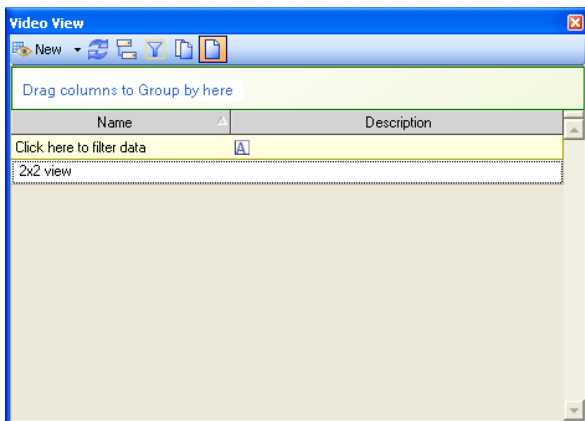


4. Choose the desired view by clicking browse ... next to the **View** field.
5. Set the desired amount of time to display the Video View in the **Dwell time** field.
6. Mark the **Use Preset** check box to activate an existing preset, then select the desired preset to activate. Mark the **Use Pattern** check box to activate an existing pattern, then select the desired pattern to activate.

NOTE: You can only use a preset or pattern if your view has exactly one camera in it, and that camera is a PTZ camera.

Another dialog box appears listing available Video Views.

7. Double-click Video Views to add them to the Video Tour. When you have finished adding Video Views to the Video Tour, click **Save and close**. Your Video Tour is visible under the **Tours** folder.

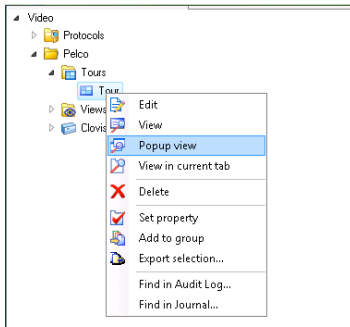


Activating a Video Tour

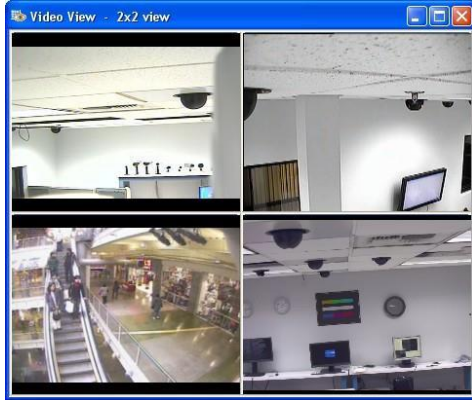
Procedure

To view an existing Video Tour, right-click the Video Tour to display its menu. Select one of the following menu options:

- **View:** Opens the video stream in a new tab in the main window
- **Popup view:** Opens the stream in a separate popup window
- **View in current tab:** Switches the current tab in the main window to the selected camera



The Video Tour is active.



Data Views

What is in This Chapter?

- [Overview](#)
- [Queries](#)
- [Reports](#)
- [Dynamic View](#)
- [Application Layouts](#)
- [Maps](#)

Overview

Data Views support running specific queries and reports, as well as provides custom views of the system.

Essential Tasks

- [Queries](#)
- [Reports](#)
- [Dynamic Views](#)
- [Application Layouts](#)
- [Maps](#)

Queries

About this task

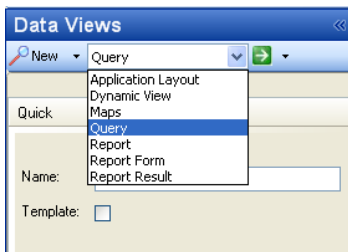
Queries support setting up any number of system queries to obtain specific information about Pelco Video Cameras or Video Servers.

Procedure

- 1 To begin creating a Query, log in to the `Administration Workstation` application.
- 2 Select the **Data Views** menu

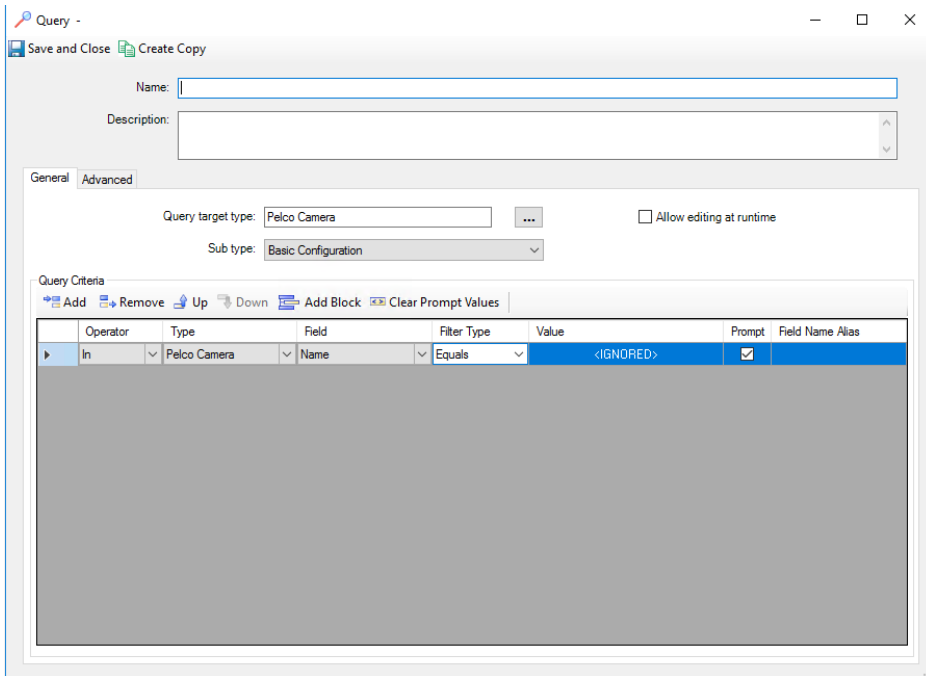


- 3 Select **Query** from the drop-down menu in the upper left corner of the window.



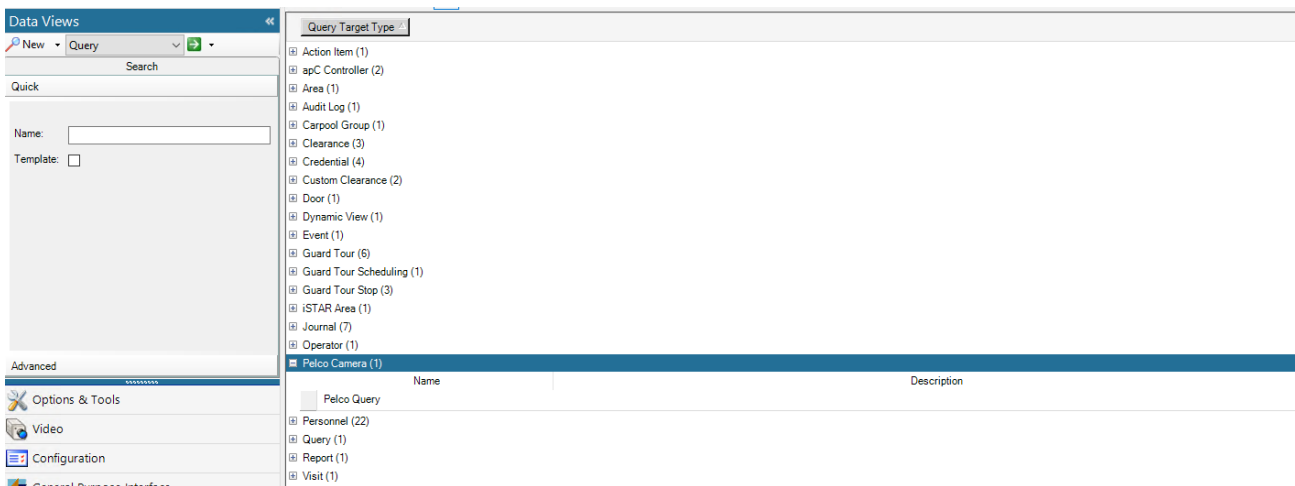
- 4 Click **New** to create a new query.

A dialog box appears.



- 5 Create a unique query **Name**. In the **Query Target** field, select: Pelco Camera and select the Basic Configuration **Sub Type**.
- 6 Add any additional query criteria, by clicking **Add** and selecting the appropriate values. When finished, click **Save and Close**.
- 7 Next to the **Query** drop-down in the upper left, click the **green arrow**.

A list of queries appears.

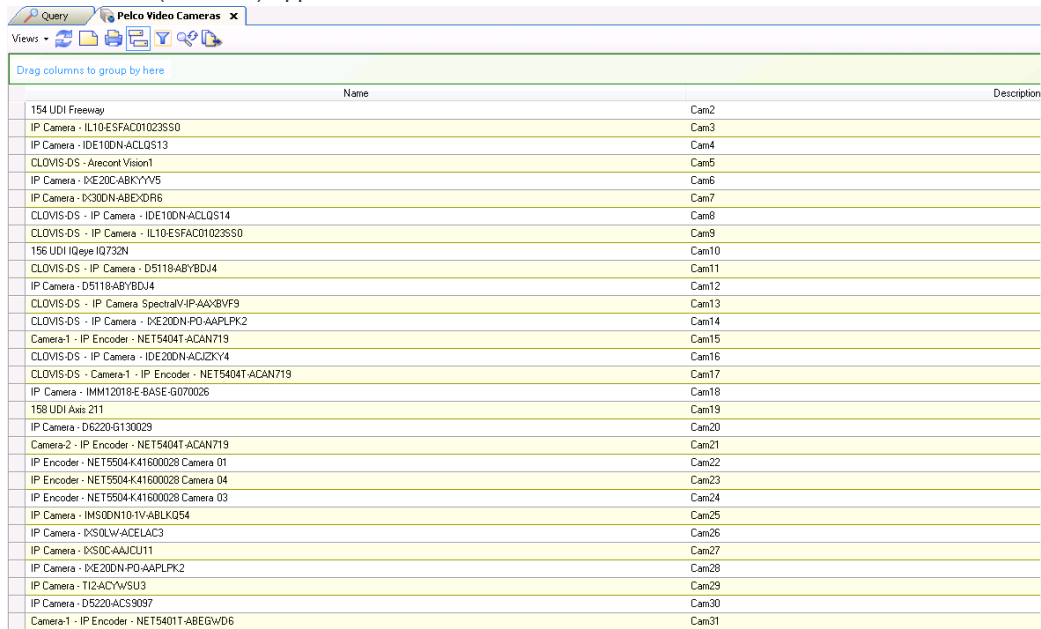


- 8 Double-click your desired query. A dialog box appears from which you can run or modify the query. You can also right-click a particular query to **Edit**, **View** and **Delete** the query.

A dialog box appears.

9 Click **Run** to run the query.

A list of items (cameras) appears.



Name	Description
154 UDI Freeway	Cam2
IP Camera - IL10ESFAC01023S50	Cam3
IP Camera - IDE100N-ACLOQ513	Cam4
CLOVIS-DS - Arecont Vision1	Cam5
IP Camera - IXE20C-ABKYV5	Cam6
IP Camera - IX300N-ABEIXDR6	Cam7
CLOVIS-DS - IP Camera - IDE100N-ACLOQ514	Cam8
CLOVIS-DS - IP Camera - IL10ESFAC01023S50	Cam9
156 UDI IQeye IQ732N	Cam10
CLOVIS-DS - IP Camera - D5118-ABY8DJ4	Cam11
IP Camera - D5118-ABY8DJ4	Cam12
CLOVIS-DS - IP Camera SpectralV-IP-AAV8VVF9	Cam13
CLOVIS-DS - IP Camera - IXE200N-PO-AAPLPK2	Cam14
Camera-1 - IP Encoder - NET5404T-ACAN719	Cam15
CLOVIS-DS - IP Camera - IDE200N-ACIZKY4	Cam16
CLOVIS-DS - Camera-1 - IP Encoder - NET5404T-ACAN719	Cam17
IP Camera - IMM12018-E-BASE-G070026	Cam18
158 UDI Axis 211	Cam19
IP Camera - D6220-G130029	Cam20
Camera-2 - IP Encoder - NET5404T-ACAN719	Cam21
IP Encoder - NET5904-K41600028 Camera 01	Cam22
IP Encoder - NET5904-K41600028 Camera 04	Cam23
IP Encoder - NET5904-K41600028 Camera 03	Cam24
IP Camera - IMS00N10-IV-ABLKQ54	Cam25
IP Camera - IXS0LW-ACELAC3	Cam26
IP Camera - IXS0C-AAJCU11	Cam27
IP Camera - IXE200N-PO-AAPLPK2	Cam28
IP Camera - TI2-ACYVWSU3	Cam29
IP Camera - D5220-ACSG9097	Cam30
Camera-1 - IP Encoder - NET5401T-ABEGW/D6	Cam31

10 Optional: From the **Query Results**, you can right-click a specific camera and perform specific operations.

Reports

About this task

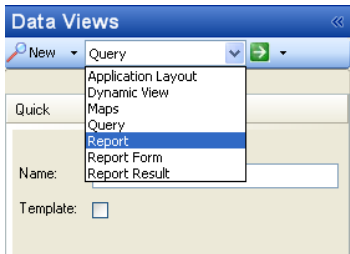
Reports support the generation of specific reports based on existing queries. For information on creating a query, refer to [Queries](#). This section describes how to create a Report.

Procedure

- 1 Log in to the Administration Workstation application.
- 2 Select the **Data Views** menu

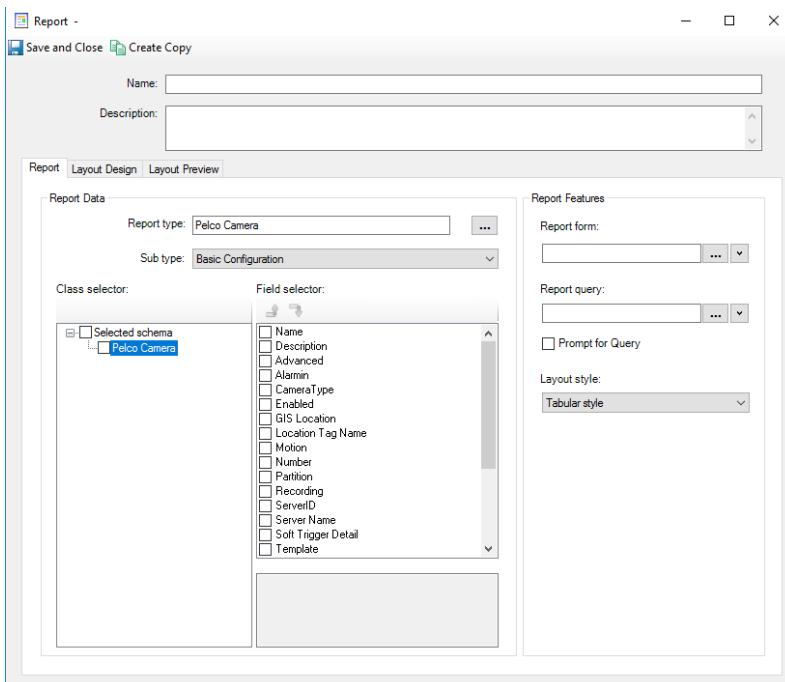


- 3 Select **Report** from the drop-down menu in the upper left corner of the window.



- 4 Click **New** to create a new report.

A dialog box appears.



- 5 Create a unique Report **Name**.
- 6 In the **Report** tab, in the **Report Type** field, select: `Pelco Camera`. Select which type of report you want in the **Report Data...** field.

Data Views

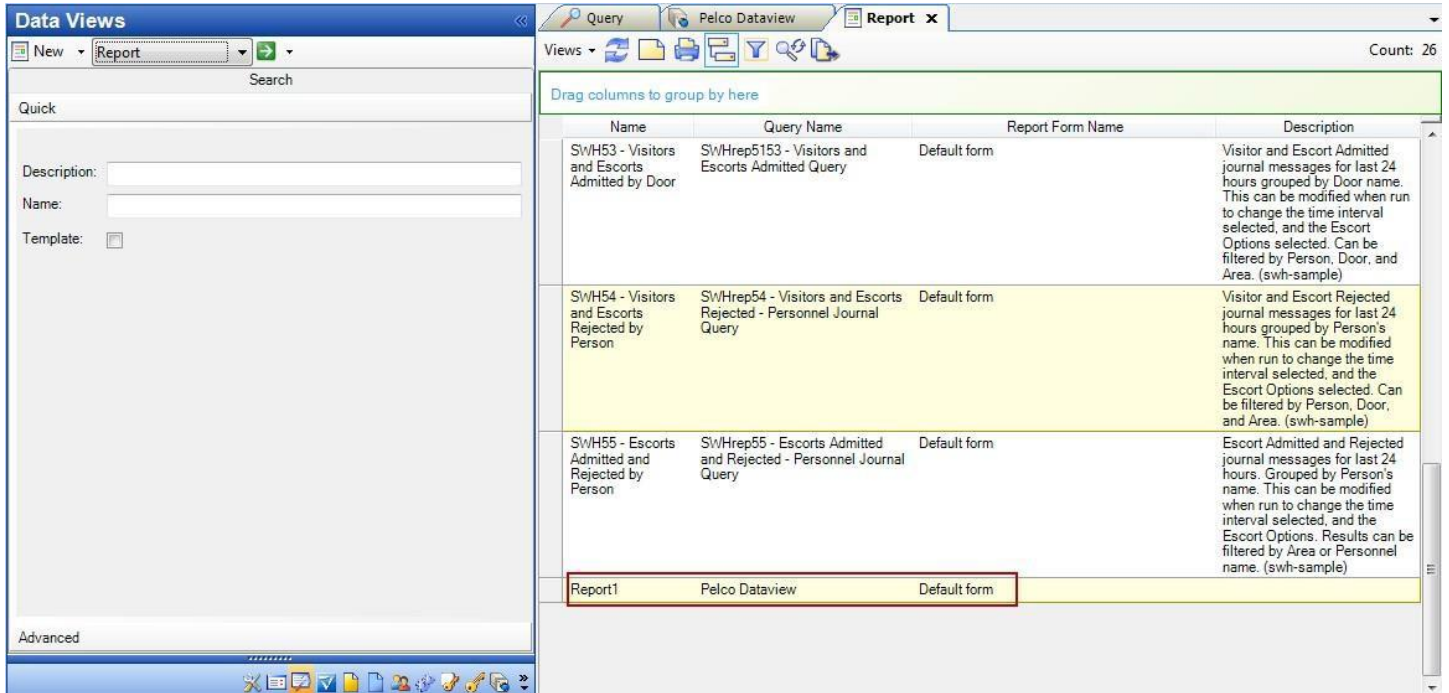
7 In the **Class Selector** or **Field Selector** fields, select any additional desired fields to be included in the report.

The **Report Features** dialog box appears.

8 In the **Report Features** dialog, select the appropriate **Form** and **Query** to use. Click **Save and Close**.

9 Next to the **Report** drop-down in the upper left, click the **green arrow**.

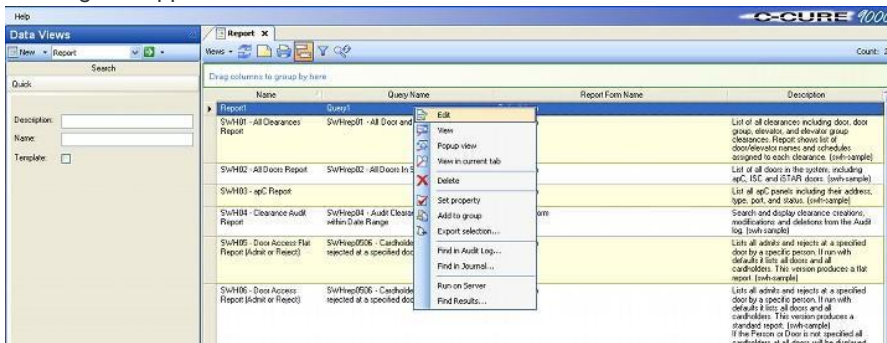
A list of Reports appears.



10 Double-click your desired Report.

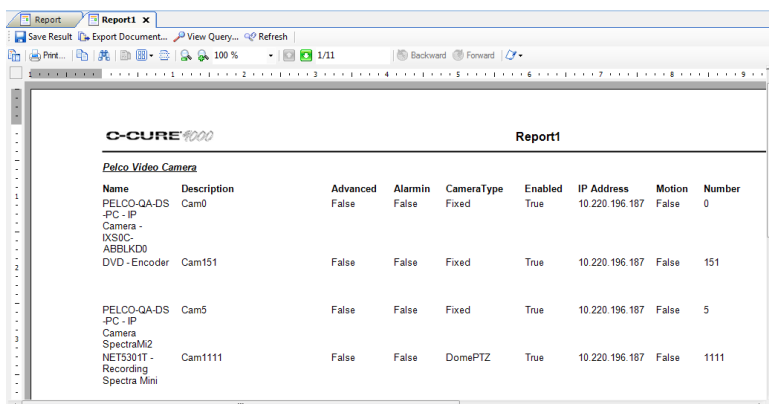
You can also right-click a particular Report to **Edit**, **View** and **Delete** it.

A dialog box appears.



11 Click **Run** to run the report.

The report displays.



- 12 Optional: From the **Report Results**, you can right-click a specific camera and perform specific operations
- 13 Optional: From the **Report Results** dialog, you can **Export** the report in a variety of output formats.

Name	Description	Advanced	Alarmin	CameraType	Enabled	IP Address	Motion	Number
PELCO-QA-DS -PC -IP Camera - KVSIC- ABBLKDD	Cam0	False	False	Fixed	True	10.220.196.187	False	0
DVD - Encoder	Cam151	False	False	Fixed	True	10.220.196.187	False	151
PELCO-QA-DS -PC -IP Camera SpectraM2	Cam5	False	False	Fixed	True	10.220.196.187	False	5
NETS391T - Recording Spectra Mini	Cam1111	False	False	DomePTZ	True	10.220.196.187	False	1111

Dynamic View

About this task

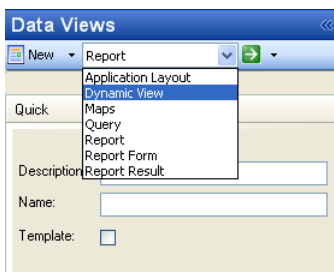
Dynamic Views support the generation of specific views based on existing queries. For information on creating a query, refer to [Queries](#). This section describes how to create a Dynamic View.

Procedure

- 1 Log in to the Administration Workstation application.
- 2 Select the **Data Views** menu



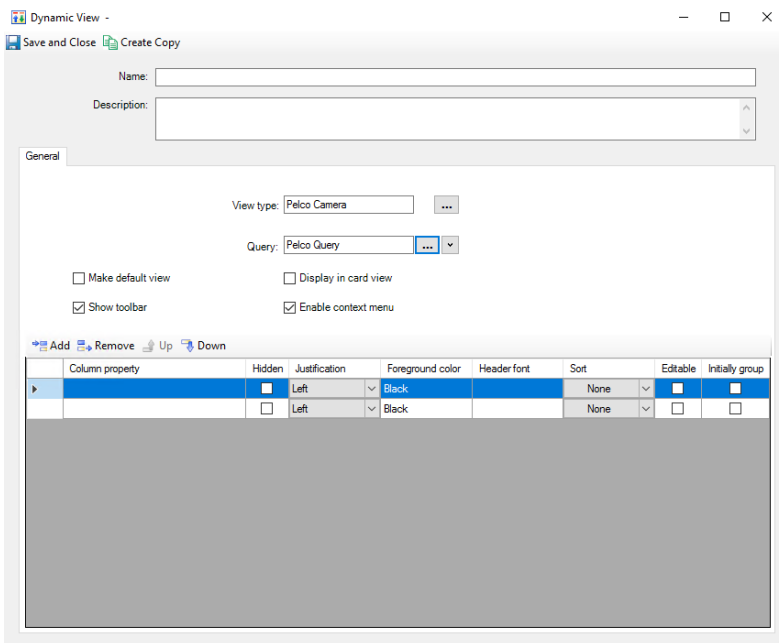
- 3 Select **Dynamic View** from the drop-down menu in the upper left corner of the window.



- 4 Click **New** to create a new Dynamic View.

A dialog box appears.

Data Views



- 5 Create a unique Dynamic View **Name**.
- 6 In the **Dynamic View** tab, in the **View Type** field, select: Pelco Camera. Select which type of query to run in the **Query** field.
- 7 To add a specific property, click **Add**.

NOTE: It is recommended to add the Name property at a minimum.

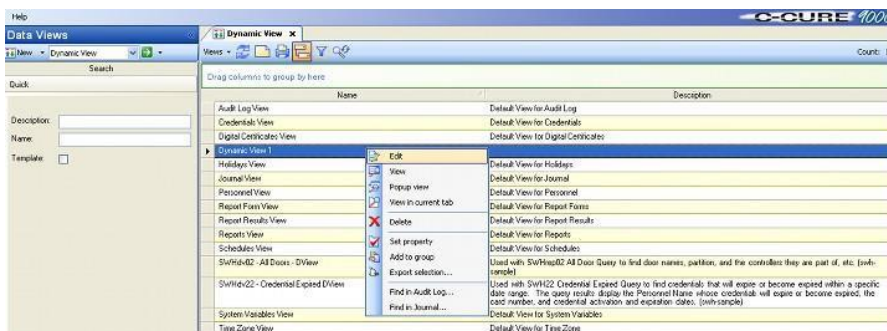
- 8 Click **Save and Close**.
- 9 Next to the **Dynamic View** drop-down in the upper left, click the **green arrow**.

A list of Dynamic Views will appear.



- 10 Double-click your desired Dynamic View.
You can also right-click a particular Dynamic View to **Edit**, **View** and **Delete** it.

A dialog box appears.



- 11 Click **Run** to run the Dynamic View.

The Dynamic View appears.

Name	Description
154 UDI Freeway	Cam2
IP Camera - IL10E3FACD102355D	Cam3
IP Camera - IDE10DNACLQ513	Cam4
CLOVIS-DS - Access Point	Cam5
IP Camera - DE20CABKYVY5	Cam6
IP Camera - K30DNABD3DR6	Cam7
CLOVIS-DS - IP Camera - IDE10DNACLQ514	Cam8
CLOVIS-DS - IP Camera - IL10E3FACD102355D	Cam9
156 UDI IQeye I0732N	Cam10
CLOVIS-DS - IP Camera - D511848YB0J4	Cam11
IP Camera - D511848YB0J4	Cam12
CLOVIS-DS - IP Camera Spectral/IP-6608V9	Cam13
CLOVIS-DS - IP Camera - DE20DNPD4APLK2	Cam14
Camera1 - IP Encoder - NET5404T ACAN719	Cam15
CLOVIS-DS - IP Camera - IDE20DNACJ2Y4	Cam16
CLOVIS-DS - Camera1 - IP Encoder - NET5404T ACAN719	Cam17
IP Camera - BM112019E 843E G07026	Cam18
158 UDI Awd 211	Cam19
IP Camera - D620-G13029	Cam20
Camera2 - IP Encoder - NET5404T ACAN719	Cam21
IP Encoder - NET15504-K41600028 Camera 01	Cam22
IP Encoder - NET15504-K41600028 Camera 04	Cam23
IP Encoder - NET15504-K41600028 Camera 03	Cam24
IP Camera - IM520V10-VYABUJK294	Cam25
IP Camera - D520V-ACEJALC3	Cam26
IP Camera - D500-AAJCU11	Cam27
IP Camera - DE20DNPD4APLK2	Cam28
IP Camera - T12ACVYVUJ3	Cam29
IP Camera - D520AC39957	Cam30
Camera1 - IP Encoder - NET5401T ABE0W06	Cam31
IP Camera - D520ACPLU040	Cam32
Camera3 - IP Encoder - NET5404T ACAN719	Cam33
IP Camera - IDE20DNACJ2Y4	Cam34
Camera4 - IP Encoder - NET5404T ACAN719	Cam35
155 UDI IP Camera - A205 Q1795	Cam36
IP Camera-IP519-EH-3160061	Cam37
Camera 01	Cam38
Camera 02	Cam39
Camera 03	Cam40
Camera 04	Cam41
Camera 05	Cam42

- Optional: From the **Dynamic View Results**, you can right-click a specific camera and perform specific operations

Application Layouts

About this task

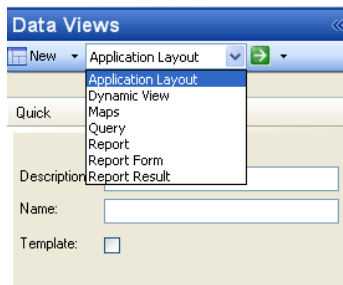
Application Layouts support customization of layouts and how items appear in the application. This section describes how to create an Application Layout.

Procedure

- Log in to the Administration Workstation application.
- Select the **Data Views** menu

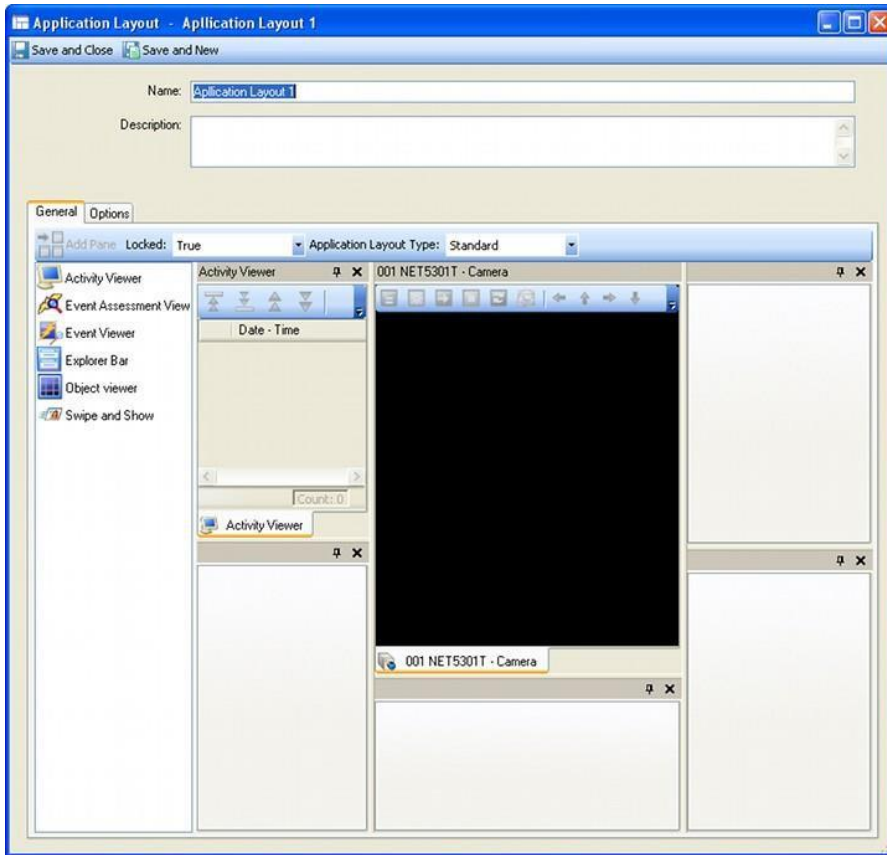


- Select **Application Layout** from the drop-down menu in the upper left corner of the window.



- Click **New** to create a new Application Layout.

A dialog box appears.

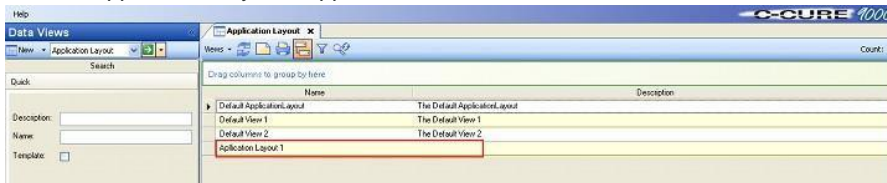


- Drag the desired features into the appropriate frames in the Application Layout window.

NOTE: There is a limit of six panes per Application Layout. Once the limit is reached, **Add Pane** is disabled until you delete one of the existing panes. To delete a pane, click the **X** in the upper right corner of the pane.

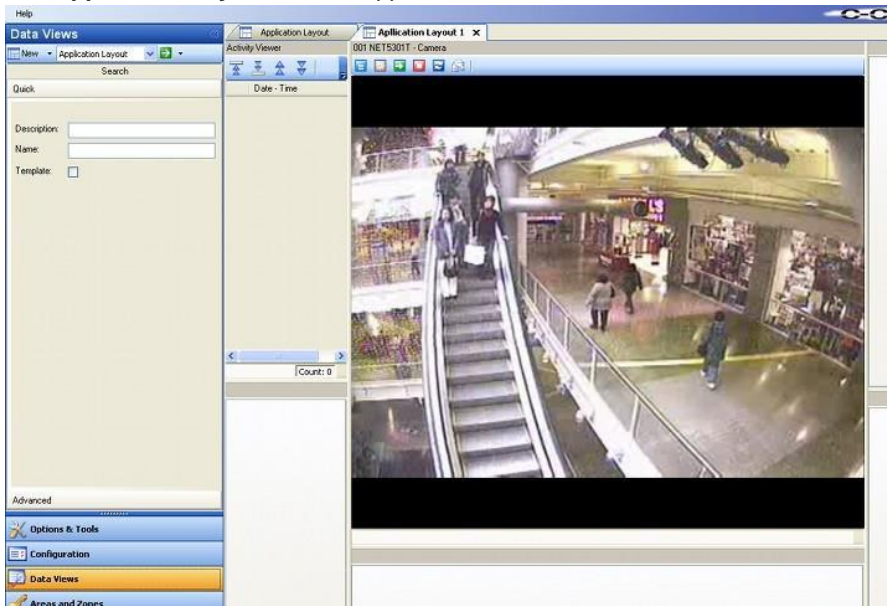
- When finished, click **Save and Close** to save the Application Layout.
- Next to the **Application Layout** drop-down in the upper left, click the **green arrow**.

A list of Application Layouts appears.



- 8 Double-click your desired Application Layout.
You can also right-click a particular Application Layout to **Edit**, **View** and **Delete** it.

The **Application Layout** window appears.



Maps

About this task

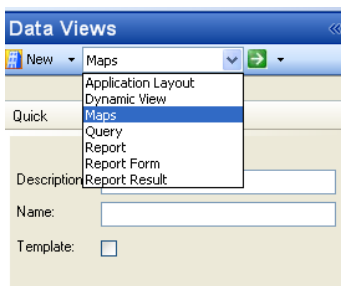
Maps can lay out the camera icons on a visual diagram to more easily view all of the cameras for a particular location.

Procedure

- 1 To begin creating a Map, log in to the Administration Workstation application.
- 2 Select the **Data Views** menu



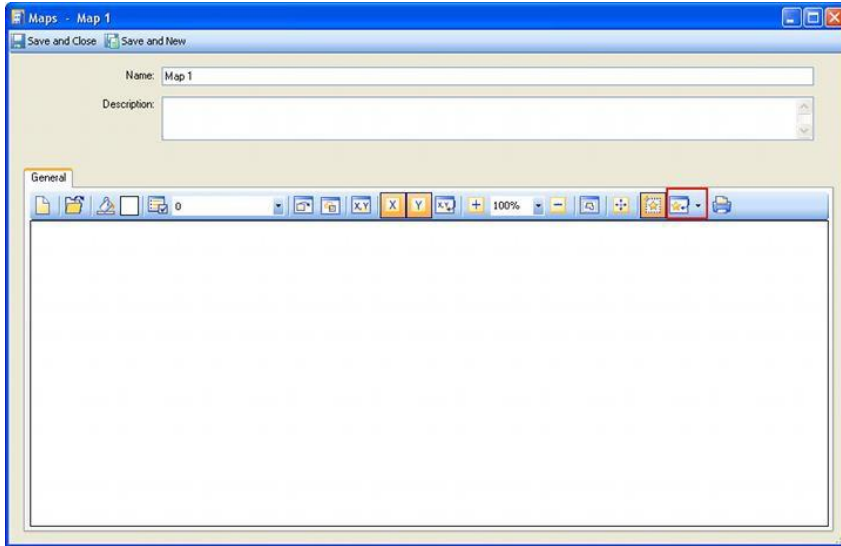
- 3 Select **Maps** from the drop-down menu in the upper left corner of the window.



- 4 Click **New** to create a new Map.

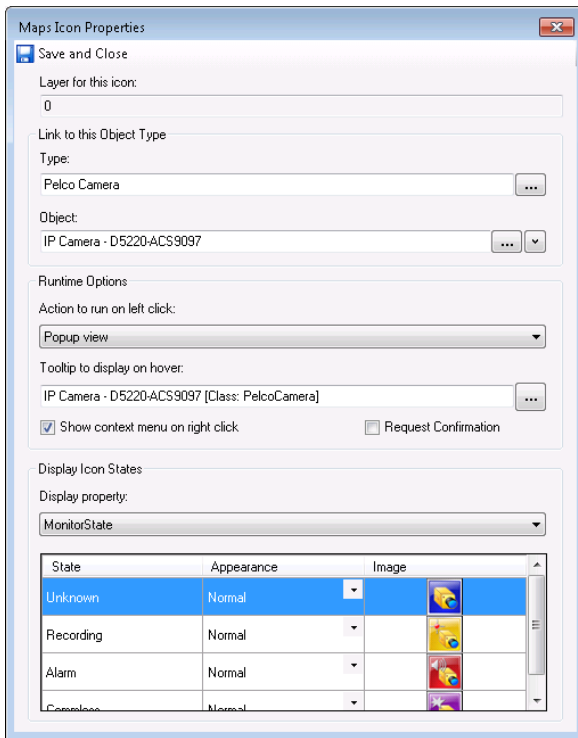
Data Views

A dialog box appears.



- 5 Create a unique Map **Name**.
- 6 In the **General** tab, click **Add** to add an icon to the map.

A dialog box appears to set the Map icon properties.



- 7 Select **Type...** and input Pelco Camera.
- 8 For the **Object...** select the desired camera.
A dialog box with camera specific properties appears.
- 9 Modify any camera properties as appropriate. When finished, click **Save and Close**.
The icon displays on the map.

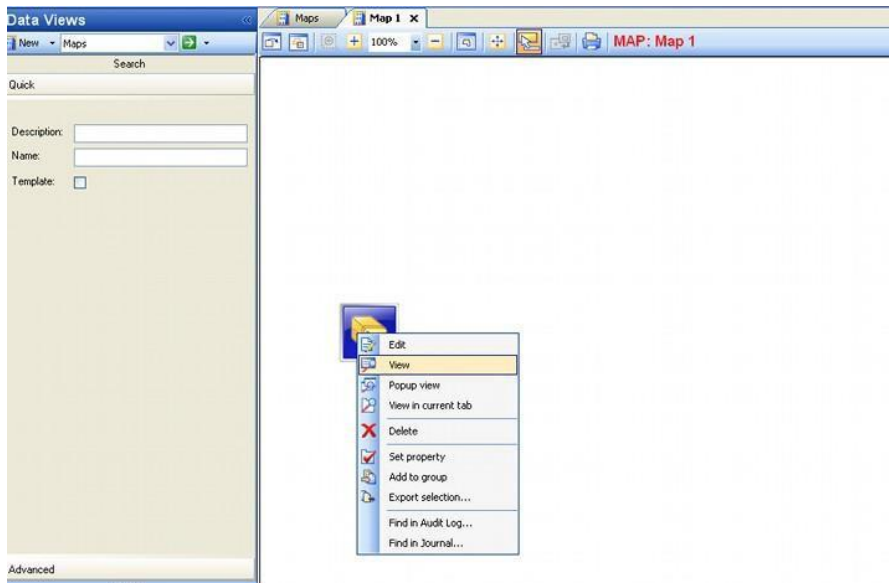
- 10 Right click the camera icon and click **Save Icon**. Repeat these steps to **Add** additional cameras as desired.
- 11 Click **Save and Close** to save the Map.
- 12 Next to the **Maps** drop-down in the upper left, click the **green arrow**.

A list of Maps appears.



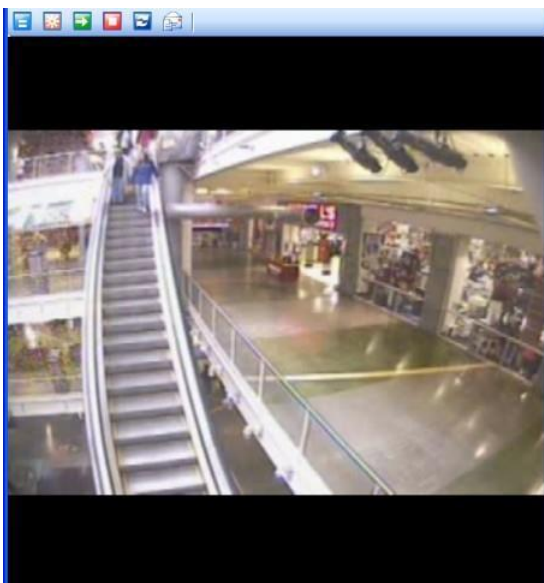
- 13 Right click your desired Map and select **View**.
You can also right-click a particular Map to **Edit**, **View** and **Delete** it.

The Map view appears.



- 14 Optional: Hover over a specific **Map Icon** to display details about the camera. Right click the **Map Icon** and click **View** to view video from the camera.

The Video View is visible.



Configuration

What is in This Chapter?

- [Events](#)
- [Linking a Camera to an Event](#)

Events

About this task

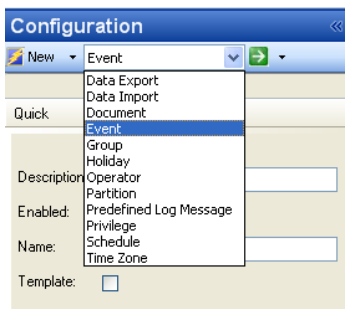
Events support the creation of custom triggers for alarms that can be associated with specific cameras. For details on linking an event to a camera, refer to [Linking a Camera to an Event](#). This section describes how to create an Event.

Procedure

- 1 Log in to the Administration Workstation application.
- 2 Select the **Configuration** menu

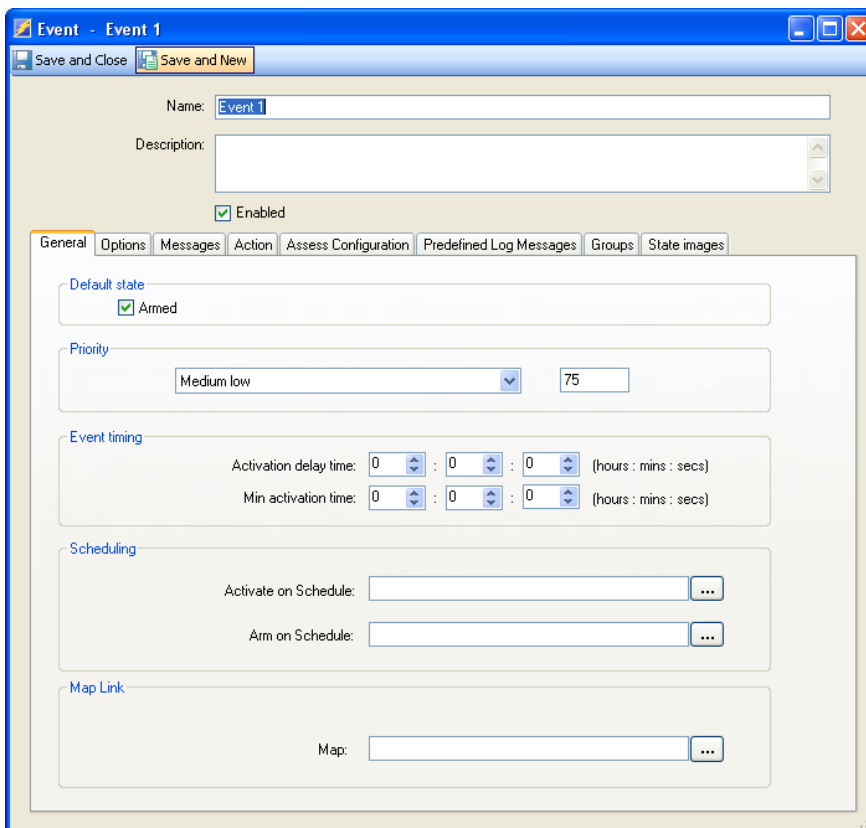


- 3 Select **Events** from the drop-down menu in the upper left corner of the window.



- 4 Click **New** to create a new Event.

A dialog box appears.



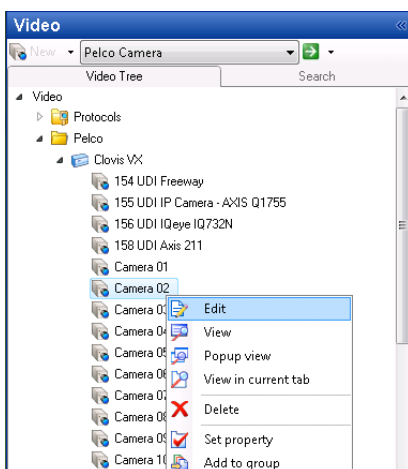
- 5 Create a unique Event **Name**.
- 6 Click the **Enabled** check box.
- 7 In the **General** tab, set the **Default State** as *Armed*. Set the desired **Priority**.
- 8 In the **Event Timings** field, configure the **activation delay** and **min activation time** as appropriate.
- 9 Assign the appropriate Scheduling frequency for the event.
- 10 Optional: If available, link an existing map to the event using the **Map Link**....
- 11 Click **Save and Close**.

Linking a Camera to an Event

Procedure

1. To link a camera to an Event, right-click the desired camera.

A menu appears.

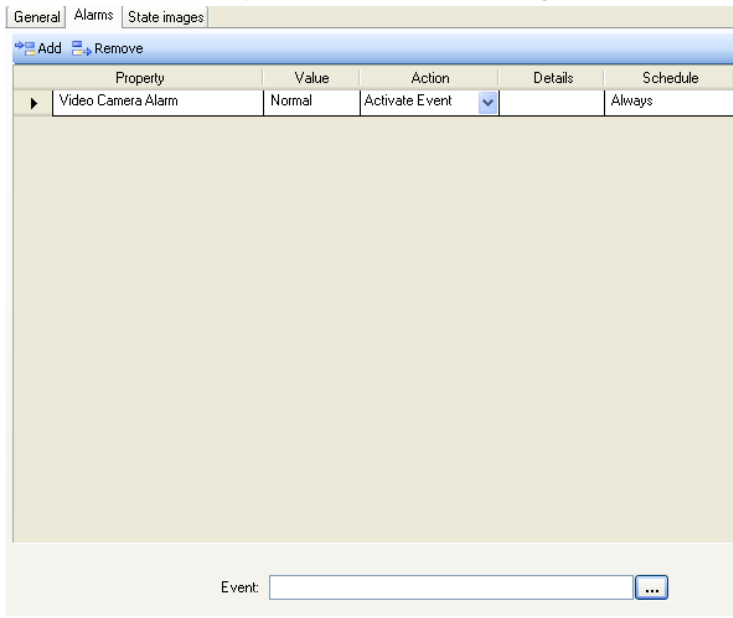


2. Select the **Pelco Video Camera > Edit** menu item.

A **Pelco Video Camera** dialog box appears. This dialog box contains forms regarding general Pelco Video Camera configuration settings. Refer to [Pelco Video Camera General Settings](#) for a detailed description of General Settings.

3. In the **Alarms** tab, click **Add**.
4. For the Video Camera Alarm property, set Value to `Normal`. For the Action, select `Activate Event`.

The `Event` field displays at the bottom of the dialog.



5. Select the custom event that you have created earlier.
For details on creating events, refer to [Events](#).
6. Click **Save and Close** to save.

Logging

About this task

Logging can be configured using the `LoggingSetup` utility. Settings that can be configured include location of the log files, max size for the log files, and the log levels Verbose, Info, Warning and Error.

NOTE: Logging must be run by an administrative account.

For Windows Server 2008, the following debug log files are generated at run time:

- `\Application Data\Pelco\SoftwareHouse\Logging\PelcoSDK.log`
- `\Application Data\Pelco\SoftwareHouse\Logging\SWH Client.log`
- `\Application Data\Pelco\SoftwareHouse\Logging\SWH Server.log`

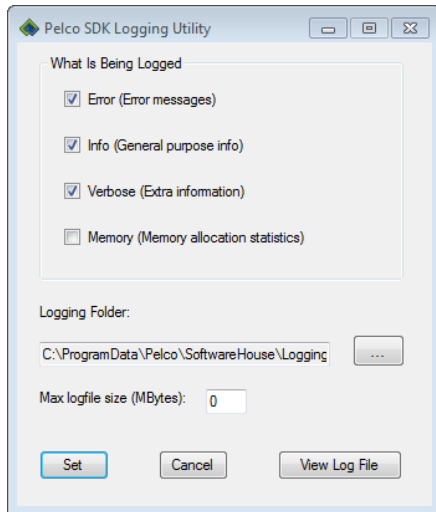
For Windows 7/8, the following debug log files are generated at run time:

- `\ProgramData\Pelco\SoftwareHouse\Logging\PelcoSDK.log`
- `\ProgramData\Pelco\SoftwareHouse\Logging\SWH Client.log`
- `\ProgramData\Pelco\SoftwareHouse\Logging\SWH Server.log`

Procedure

- 1 To configure logging, run the `LoggingSetup` application in the `\Application Data\Pelco\SoftwareHouse\Logging` folder. For Windows 7/8, the application is located in `\Program Files (x86)\Tyco\Pelco\Logging`.
- 2 Select the items that you want to log, as well as the folder where the logs are stored and the max logfile size.
- 3 Click `Set` to save the settings.
- 4 To view the current log, run the `LoggingSetup` application in the `\Application Data\Pelco\SoftwareHouse\Logging`

(or \ProgramData\Pelco\SoftwareHouse\Logging for Windows 7/8) folder. Click **View Log File**.



NOTE: The maximum log size is 50 MB. Any settings over that value are reset back to the default 50MB restriction. Usually, logging is off (no items checked) unless technical support asks for logging information when tracing issues.

In the Logging dialog box, the following settings are available:

Error	Logs error messages. Errors are usually the most important log entry.
Info	The next level of severity below Error.
Verbose	Logs actions that occur often and are not normally logged. Choosing this setting can cause the <code>logfile</code> to fill quickly.
Memory	Logs memory allocation statistics. Memory is usually left unselected

Choose with Confidence.

Pelco

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