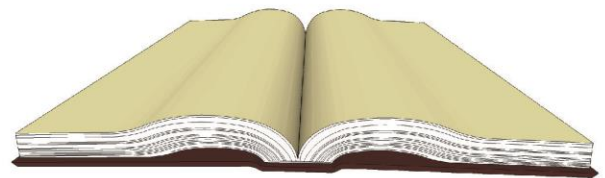


INTELLI-SITE



Documentation

Pelco Endura Video RTU Guide

Version 3.x

Intelli-Site

Security Management Software Pelco Endura Video RTU Guide

PC Software RTU Interface Guide
For Windows 7 SP1, 2008 R2 SP1, XP SP3 & 2003 SP2

Version 3.x
Copyright © 1999 – 2014 OSSI, LLC

Copyright

Copyright © 1999-2014 OSSI, LLC. All rights reserved.

Information in this document is subject to change without notice. The software described in this document is furnished under a license agreement or nondisclosure agreement. The software may be used or copied only in accordance with the terms of those agreements. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or any means electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's use without the written permission of OSSI, LLC.

OSSI, LLC
W228 N727 Westmound Dr.
Waukesha, WI 53186
TEL: 262-522-1870
FAX: 262-522-1872

Trademarks

Intelli-Site[®] is a registered trademark of OSSI, LLC. **Intelli-Site**[®] is registered in U.S. Patent & Trademark Office.

All other registered and unregistered trademarks are the sole property of their respective owners.

Table of Contents

Copyright	3
Trademarks	3
Table of Contents	4
Section 1 – Introduction	5
Overview	5
Technical Support Assistance	6
OSSI Headquarters.....	6
Technical Support	6
Important Note on Workstation Installation	7
Section 1 - Pelco Endura DVR Setup (Design Mode)	9
Adding DVR Nodes.....	9
Layout of the DVR Node	10
Configuring the DVR Node.....	11
Programming Examples for Run Mode.....	14
Section 2 –Pelco Endura DVR Mode	19
Using the DVR Mode	19
Using the Multi View Mode (Video Display Area).....	28
Main Video Controls.....	28

Section 1 – Introduction

This section describes the following:

- Overview
- Technical Support Assistance

Overview

The Pelco Endura Video RTU (Receiver/Transmitter Unit) is the Intelli-Site software representation of the Pelco Endura Video Recorder (DVR). For purposes of this document, the term RTU is synonymous with a Pelco Endura DVR.

Technical Support Assistance

OSSI Headquarters

W228 N727 Westmound Dr.
Waukesha, WI 53186 USA
Tel: 262-522-1870
Fax: 262-522-1872

Technical Support


Technical support is available via Telephone, Fax or Email. Contact OSSI Technical Support 8:00 AM to 5:00 PM Central Standard time. If calling after hours, please leave a detailed voice mail message, and someone will return your call as soon as possible.

E-Mail: support@ossi-usa.com

Fax: 262-522-1872 (Attention Technical Support)

Local: 262-522-1870

When calling, please be at the computer prepared to provide the following information:

- Product version number, found by selecting the **About**  button from the Intelli-Site Menu Application Bar.
- Product serial number used for registration.
- The type of computer being used including, operating system, processor type, speed, amount of memory, type of display, etc.
- Exact wording of any messages that appear on the screen.
- What was occurring when the problem was detected?
- What steps have been taken to reproduce the problem?

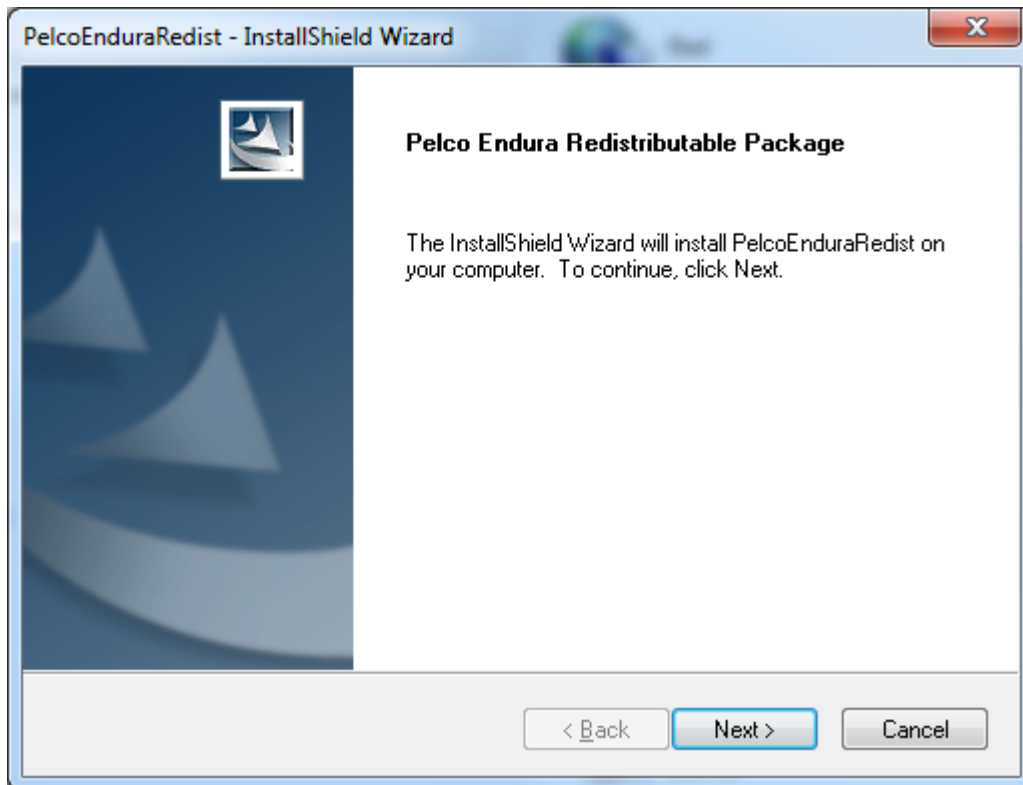
Important Note on Workstation Installation

The computer running the Pelco Endura Video driver must have a DirectX 9.0 compatible dedicated video graphics card.

Also, a separate installer, PelcoEnduraRedist, must be installed before using the Pelco Endura Video driver. It may be installed either before or after Intelli-Site. This installer can be downloaded directly from the following location:

<http://ossi-usa.com/Public/PelcoEnduraRedist.exe>

Keep the default values when running the PelcoEnduraRedist.exe. Click 'Next', and 'Finish' when displayed:



When the DirectX portion of the installer appears, select ‘Yes’ to accept the terms and then continue by clicking ‘Next’:

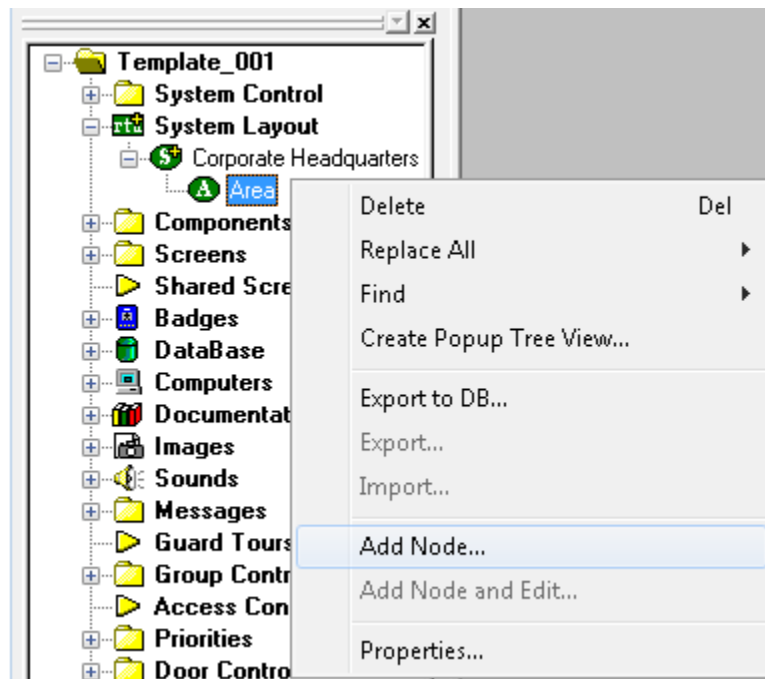


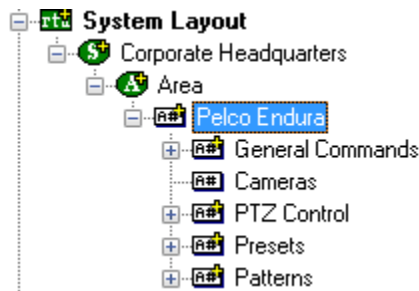
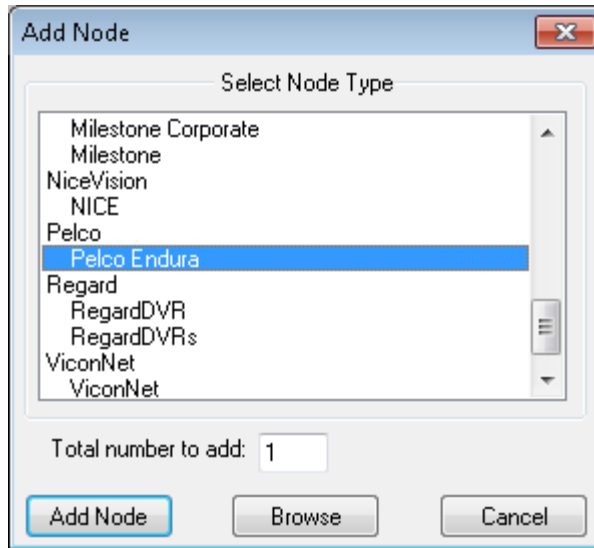
Section 1 - Pelco Endura DVR Setup (Design Mode)

This section discusses the setup of Pelco Endura DVRs in the project in Graphic Design mode.

Adding DVR Nodes

Select 'Add Node...' on an 'Area' node. Then select the 'Pelco Endura' entry:





Layout of the DVR Node

1. 'General Commands'- Contains a single command, 'Disconnect'. This command is used to stop video currently displayed.
2. 'Cameras'- Contains all the cameras available for viewing from this DVR.

Pelco Endura - Cameras Camera 01

General Protocol Node Settings | Notes/Comments

Name: Camera 01

Access Level: Level 1

Domain: 105

Node Type: Camera

Address: 1|uuid:4192874e-36c5-401d-ac78-245695d2b11

Protocol: 10-40000,10-20000

These values represent the Pan and Tilt speed ranges. The format is pan min-pan max,tilt min-tilt max. The default values are for a Spectra IV Color Dome. Other defaults are listed below:

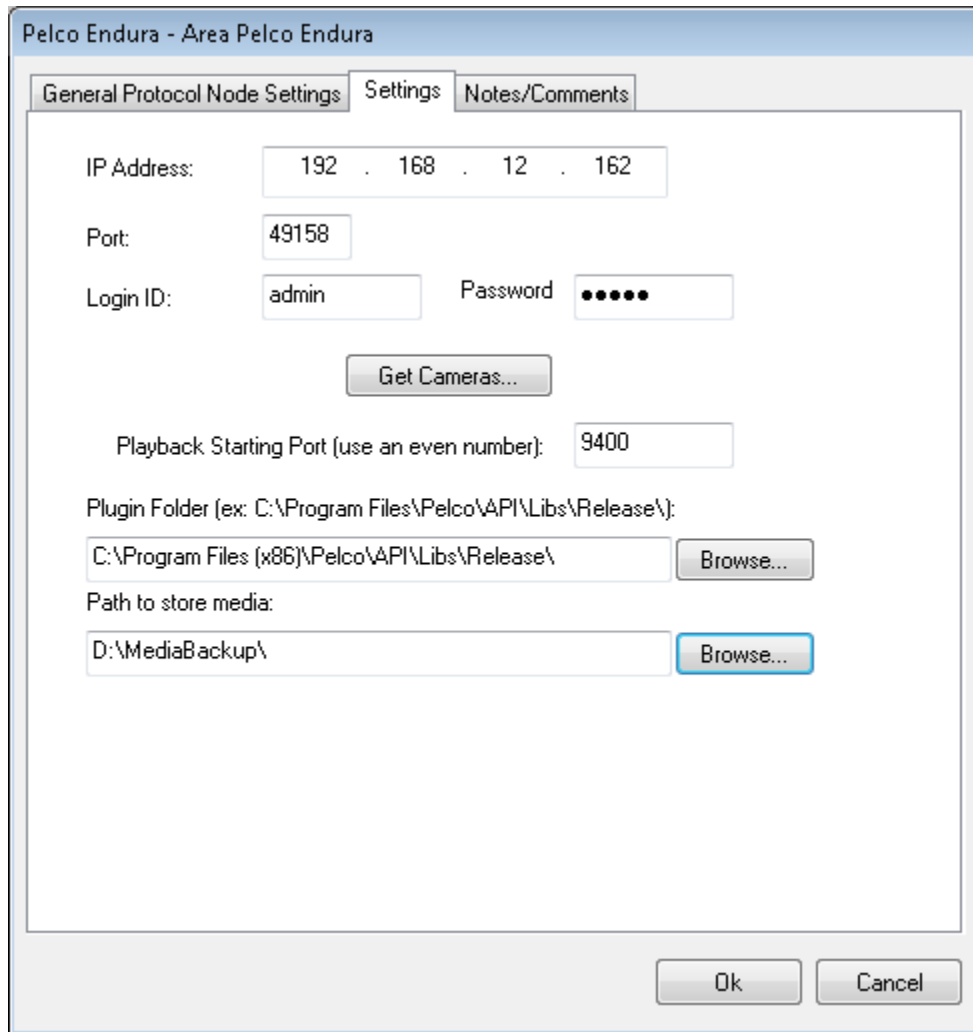
Velocity Rotation Limits				
model	min x	max x	min y	max y
IP3701	N/A	N/A	N/A	N/A
Spectra IV IP Color	10	40000	10	20000
Spectra IV IP Day Night	10	15000	10	4000
Spectra Mini	40	14000	70	8000

3. 'PTZ Control'- Contains all the Pan, Tilt, Zoom, Focus, Iris and PTZ Speed commands.
4. 'Presets'- These nodes can be used as commands to move a controllable (PTZ) camera to preset positions.
5. 'Patterns'- These nodes can be used to run pre-configured patterns (e.g. tours) on controllable (PTZ) cameras.

Configuring the DVR Node

After a DVR node has been added it needs to be configured. This is accomplished by Rick-Clicking and editing the properties of the DVR node:

1. 'General Protocol Node Setting' Tab allows you to adjust the following properties:
 - a. Change the name of the DVR.
 - b. Select the Access Level.
 - c. The Domain is system-selected and fixed.
 - d. The Node Type is General - Do not change.
 - e. The Address field - Do not change.
 - f. The Protocol field - Do not change.
2. 'Settings' Tab is where the settings for the DVR unit are specified:



- a. IP Address: enter the IP address of the DVR.
- b. Port: enter the network port used
- c. Login ID and Password: The credentials needed to log into the Endura system.
- d. Playback Starting Port- Enter an even number. If unsure, keep the default 9400. This is the port used for RTP streaming of recording video. Typically, this port only needs to be changed if UDP port 9400 is already in use by another application.
 - e. Plugin Folder: This is the folder that contains the support files needed to run the Endura driver. The default and typical location is "C:\Program Files \Pelco\API\Libs\Release\".
- f. Path to store media- This is the folder where both snapshots and recordings taken of live and recorded video will be stored.
- g. Get Cameras: After configuring all the other settings, select this button so that all available cameras for this DVR are automatically added to the project. This step can be performed later, as more cameras are added.

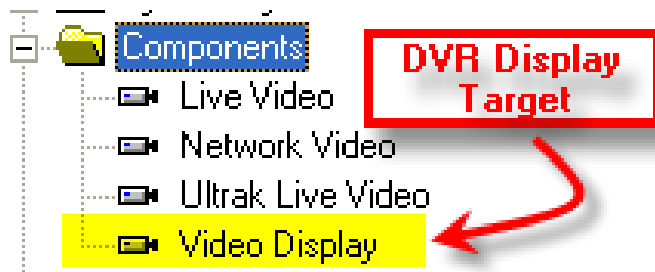
Programming Examples for Run Mode

After a DVR node has been configured in the design tree you can use elements of the DVR node for a variety of Run Mode applications. The following Section details some examples of DVR applications that can be programmed for Run Mode:

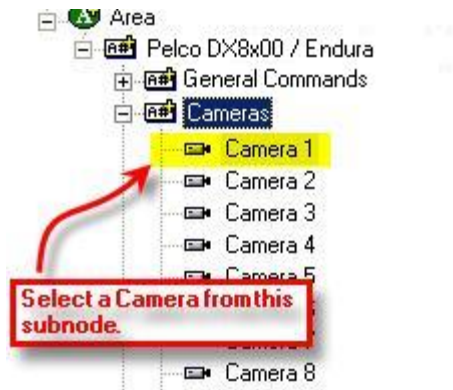
1. Live Video Display and Control Programming Example

The following programming example will detail the steps necessary to create a video display object and various controls that will allow video switching on a Run Mode Screen.

Step 1 – In Design Mode, Drag-and-Drop a Video Display object, from the Components Node in the Tree, onto the Screen. The Video Display object is always used as the display target for Bosch video. There is no limit to the number of Video Display objects that can be on any one screen. When dropped, the Video Display Object will automatically size to 320X240 but can be resized to fit your needs.



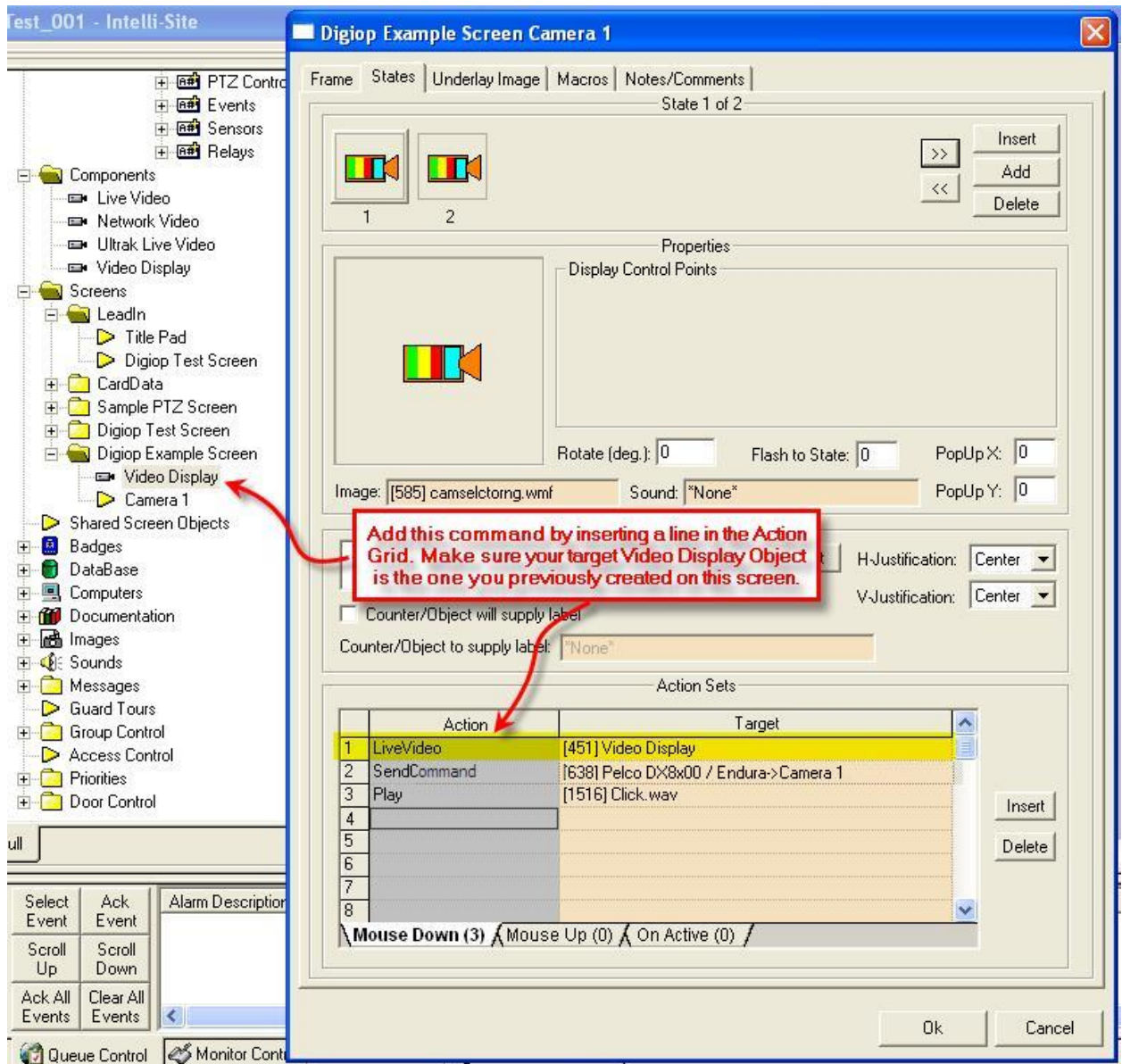
Step 2 – Drag-and-Drop a Camera from the Change Cameras subnode of the DVR onto the tree. This will automatically create a camera screen object. Use the Default settings when prompted by the wizard.



At this point your screen should look something like this:



Step 3 - In order to send the video, called by the Camera object, to the Video Display object created in Step 1, you will have to modify the properties of the Camera Object by adding a LiveVideo command before the SendCommand for the Camera as follows:



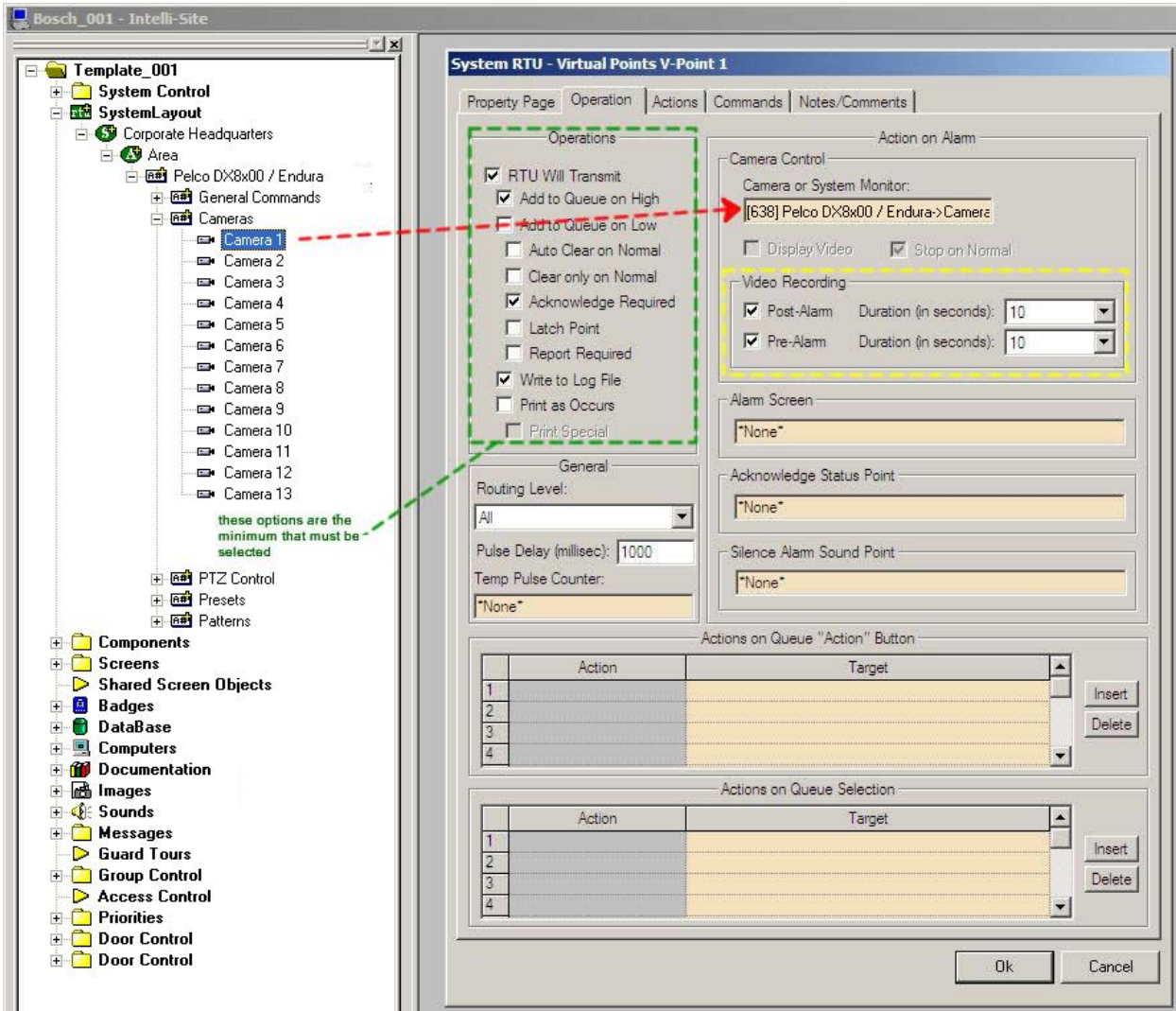
Note: If a camera is PTZ capable, clicking on a region in the video display object will move the camera

2. Alarm-Related DVR Video-On-Demand Programming Example

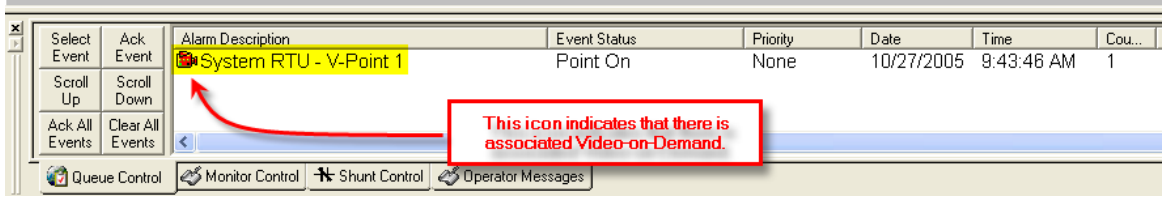
The following example will detail the steps necessary to program an alarm-point relationship to a Camera object for Video-on-Demand functionality.

When an alarm point is activated, pre-and post-alarm recorded video is “tagged” for automated recall during alarm acknowledgement.

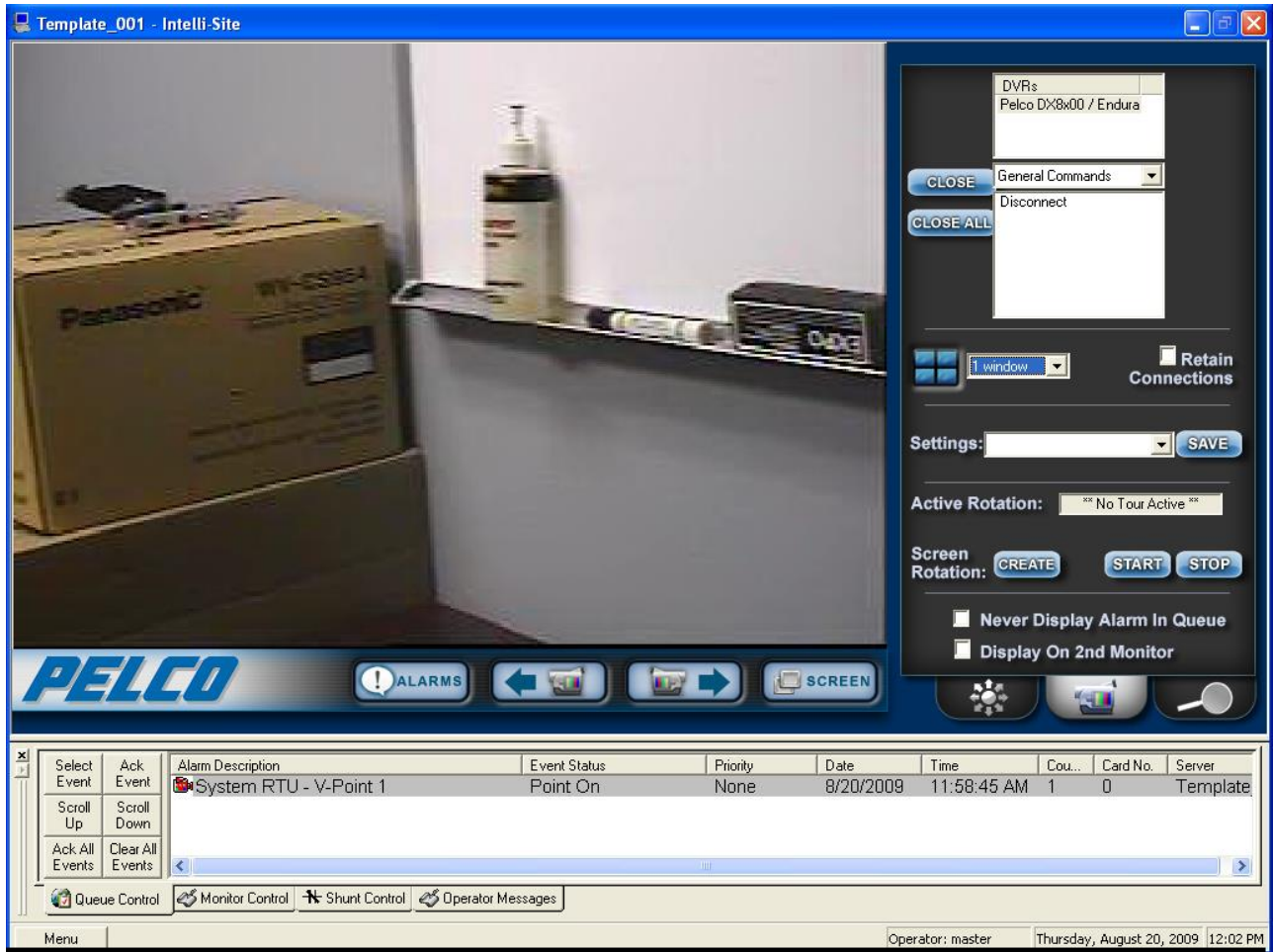
Step 1 – Using any I/O point in the tree (in this case we are using a Virtual Point) you can set the properties of the I/O point to enable pre- or post-alarm recording (or both) as shown below:



Step 2 – Upon I/O point activation the alarm will appear in the Queue with a video-associated icon as shown below:




Step 3 – Double-Left-Click on the icon will automatically switch to the Pelco DVR Mode and replay the pre-and-post alarm video from the associated channel:

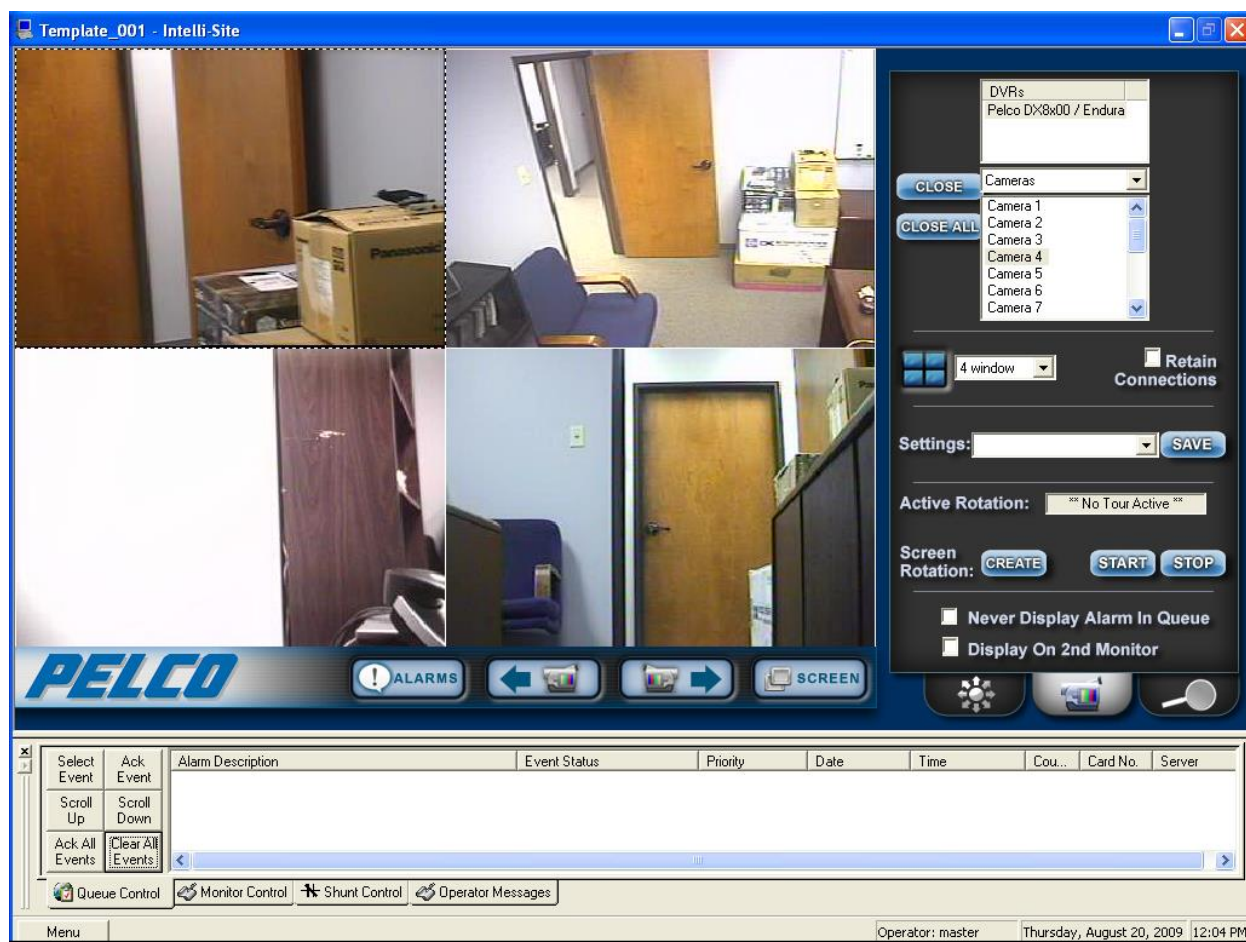



Section 2 –Pelco Endura DVR Mode

This section discusses the use of the Pelco Endura DVR Multi View Mode.

Using the DVR Mode

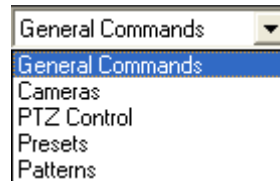
Click on the  icon on the Application Menu bar in order to switch to the DVR Mode.



1. General Settings Tab  allows you to set display, control, and camera tour parameters.

- a. DVRs – This window will list all of the DVR nodes in the Design Mode tree. You can display all available channels for a specific DVR by Dragging and Dropping the selected DVR on to the Video Display Area.

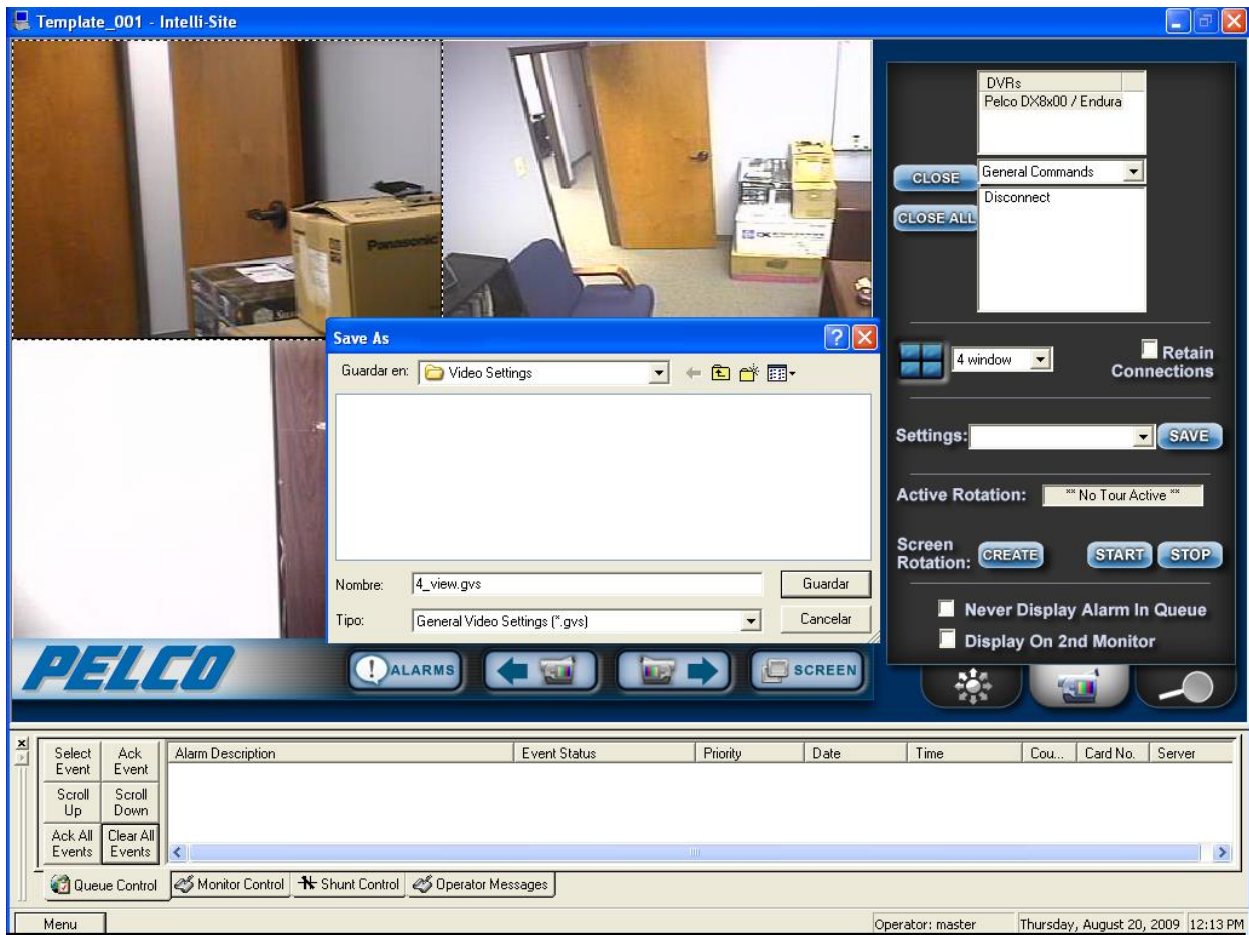
- b. Commands Combo Box – select commands to be applied to specific display areas in the categories of General Commands, Change Camera Commands, and Camera PTZ Commands. First Select the command desired, then Drag-and-Drop the command on to the specific camera view in the Video Display Area.



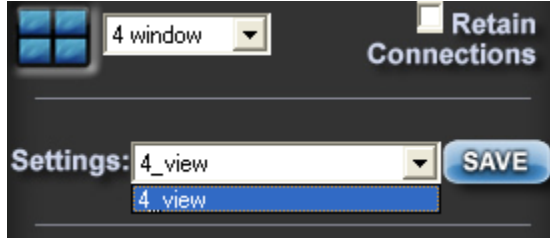
To switch cameras, select the 'Cameras' item in the listbox. Then, either double-click or drag-and-drop the camera item onto the video display area (on the left).

- c. Screen Division – The Screen Division window allows you to select the number, and layout, of video display windows in the Video Display Area.
 - i. Screen Division Combo Box – allows you to select from 1, 4, 8, 9, 10, 13, 16, 25 or 36 windows for the Video Display Area.
 - ii. Retain Connections – checking this box will retain currently-connected video channels when you switch from one division settings to another.

- iii. Settings Save – allows you to set up a custom display and save the settings for the custom setup for later recall. An application example of this feature would be to create a display that shows specific video channels from a number of different DVRs that are located in different buildings in the network – say; all lobby cameras from ten-different buildings.

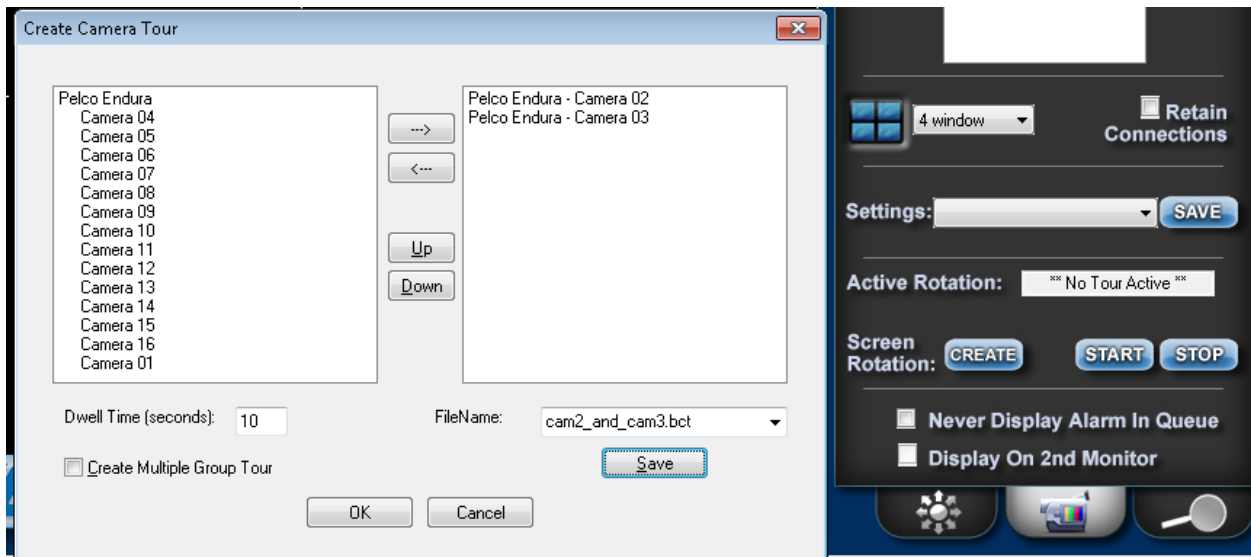




Once these settings are saved they can be instantly retrieved from the Settings Combo-Box.

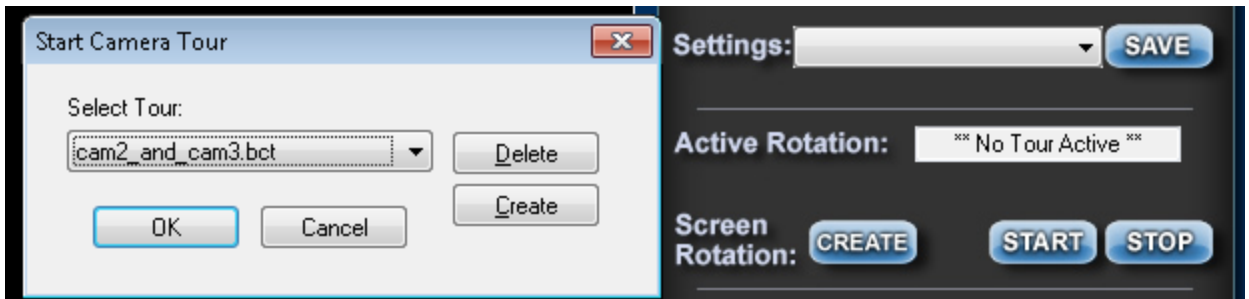


d. Active Rotation (Video Tours) – This feature allows you to create and run sequential video tours consisting of any number of cameras or even groups of tours consisting of groups of camera groups.


- i. Create a Camera Tour – Select the **CREATE** button to open the Create Camera Tour dialog. All available cameras will be listed in the left window. Simply use the Add or Delete arrows to add the desired cameras to your tour list in the right window. Next enter a Dwell Time – this is the amount of time a camera will display before switching to the next in the list. Finally, enter a FileName and Select the Save Button. Select the OK Button when finished.



- ii. Create a Group Tour – Select the Create Multiple Tour Group checkbox. When selected, the left window will display all tours previously saved. Simply select the tours you wish to include in the Multiple Group Tour, give it a filename, and hit the Save Button.
- iii. Running a Tour or Multiple Tour Group – Start the tour with the Start Button  and the Start Camera Tour dialog will open. Select the tour you wish to run from the Combo-Box. To stop the tour, select the Stop Button. 








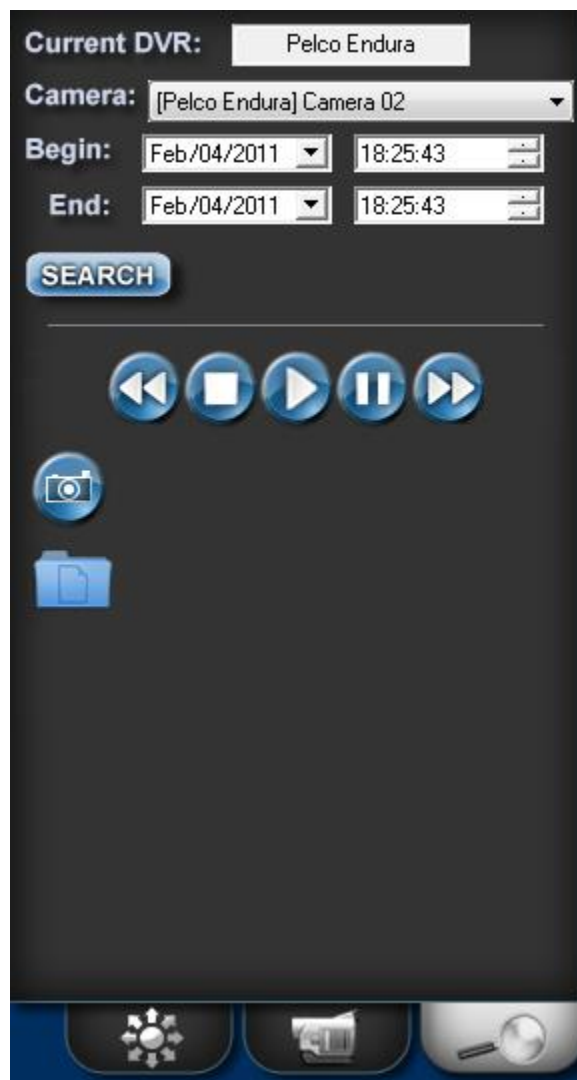
- e. Additional settings – Select the Never Display Alarm Queue if you do not wish to see DVR-originated alarms in the alarm queue. Select Display on 2nd Monitor if you wish to display the DVR Mode on the 2nd Monitor in a dual-monitor workstation.

2. PTZ Camera Control Tab  – Allows you to control PTZ functionality for a specific, PTZ-equipped camera.




- a. Pan/Tilt arrows-  Clicking and holding the left-mouse button on an arrow will move the camera in the corresponding direction. Releasing the mouse button will stop the movement.

- b. PTZ Speed Increase  and Decrease.  This adjusts the speed for pan and tilt commands.
 - c. Presets- To move a camera to a preset position, select the preset in the 'PRESETS' combobox. Select 'SET' to create the preset and 'CLEAR' to delete the preset.
 - d. Patterns- Select a Pattern from the combobox to invoke it. Select the record  button to start recording the Pattern and select the stop  button to complete the recording.
3. Playback Tab  - Allows you to playback recorded video and audio.



- a. 'Current DVR'- This control displays the current DVR to be used for search and playback of recorded video.
- b. 'Camera'- Select the camera against which recorded video is to be searched.
- c. Begin Time/End Time- Select the time range around which to view recorded video.
- d. 'Search'- Select this button to begin the retrieval and display of recorded video.

e. 'Snapshot'-  Selecting this button will save the current frame of video to a JPG format file in the folder specified in the 'Path to store media' option on the DVR RTU node. For DX8x00 systems, this option is only available during playback.

f. 'Media Folder'-  Select this button to open a Windows Explorer window displaying the media folder (with saved images and video clips).

g. Playback buttons (from left to right):
Rewind, stop, play, pause, and fast forward.



Using the Multi View Mode (Video Display Area)

The main window (Video Display Area) of multi view consists of a viewing area and four control buttons.

If you double-click on any of the individual video display views, the view will expand to full size. To return, simply double-click on the full-size view.

Main Video Controls



Previous Camera: Allows user to scroll backwards through available channels.



Next Camera: Allows user to scroll forward through available channels.



Full Screen: This feature will expand the multi channel view to full screen. Just hit 'Escape' key to return.



Alarm Events: This feature brings up a dialog that can be used to search for alarm events that are associated with cameras.

Alarm Events

Date Range Start: Date Range End:

Date	Time	Alarm/Event	Description
02/04/2011	19:02:37	System RTU - Main Entry Gate AL...	Point OFF
02/04/2011	19:02:35	System RTU - Main Entry Gate AL...	Point ON
02/04/2011	19:01:54	System RTU - Back Door Ajar	Point OFF
02/04/2011	19:01:53	System RTU - Back Door Ajar	Point ON
02/04/2011	19:01:48	System RTU - Back Door Ajar	Point OFF
02/04/2011	19:01:47	System RTU - Back Door Ajar	Point ON