



Documentation

exacqVision RTU Guide

Version 3.9.x

Intelli-Site

Security Management Software

exacqVision RTU Guide

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

Version 3.x
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Copyright

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

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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
Section 2 - Important Installation and Setup Notes	7
Section 3 - exacqVision RTU Setup (Design Mode)	8
Adding RTU Nodes	8
Configuring the Server Node	9
Programming Examples	11

Section 1 – Introduction

This section describes the following:

- Overview
- Technical Support Assistance

Overview

The exacqVision RTUs (Receiver/Transmitter Units) are the Intelli-Site software representations of the exacqVision servers, Network Video Recorders (NVR), and Digital Video Recorders (DVR). For purposes of this document, the term RTU is synonymous with an exacqVision server, NVR or 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?

Section 2 - Important Installation and Setup Notes

Prior to use of the exacqVision DVR features, the exacqVision driver component must be installed with the Intelli-Site installer.

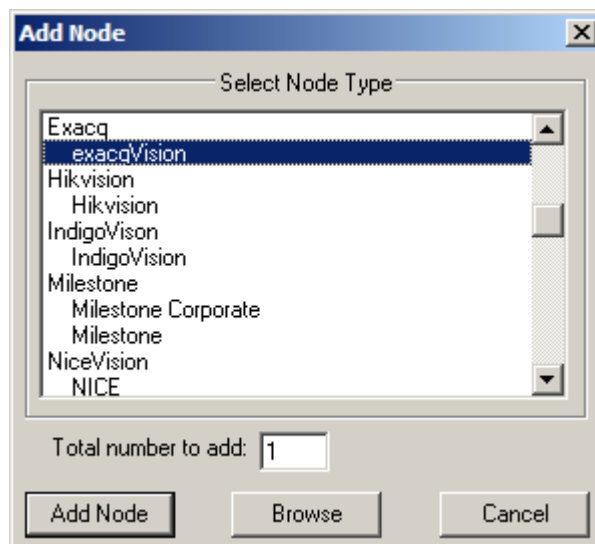
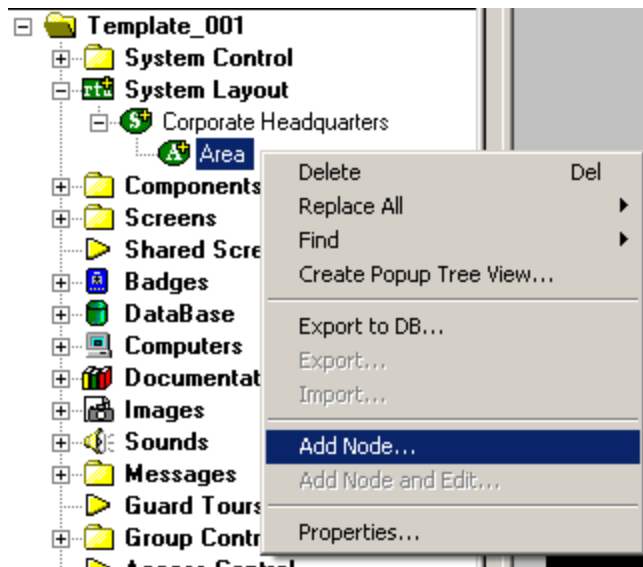
The exacqVision driver has been tested against exacqVision 5.4. Other versions of exacqVision may work, but newer features may be unsupported or might not function.

Section 3 - exacqVision RTU Setup (Design Mode)

This section discusses the setup of exacqVision RTU nodes in the project in Graphic Design mode.

Adding RTU Nodes

All exacqVision RTU nodes reside under a parent Area node. This exacqVision RTU node must be added first (see figures below):

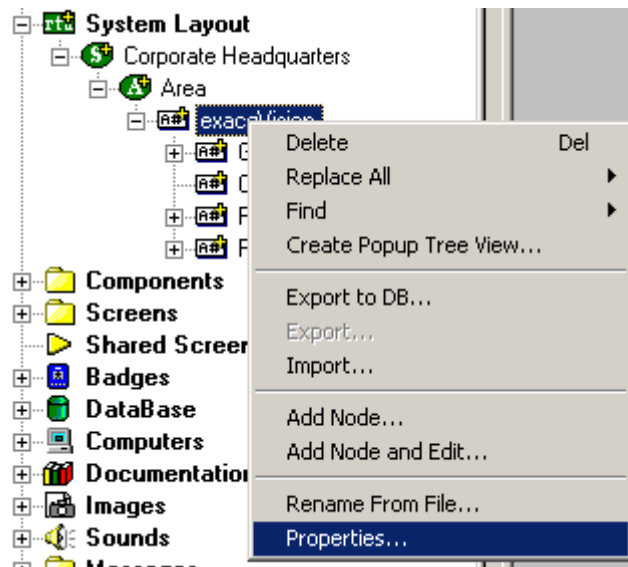


As displayed, the first step is to add an 'exacqVision' node from the list in the 'Add Node' dialog.

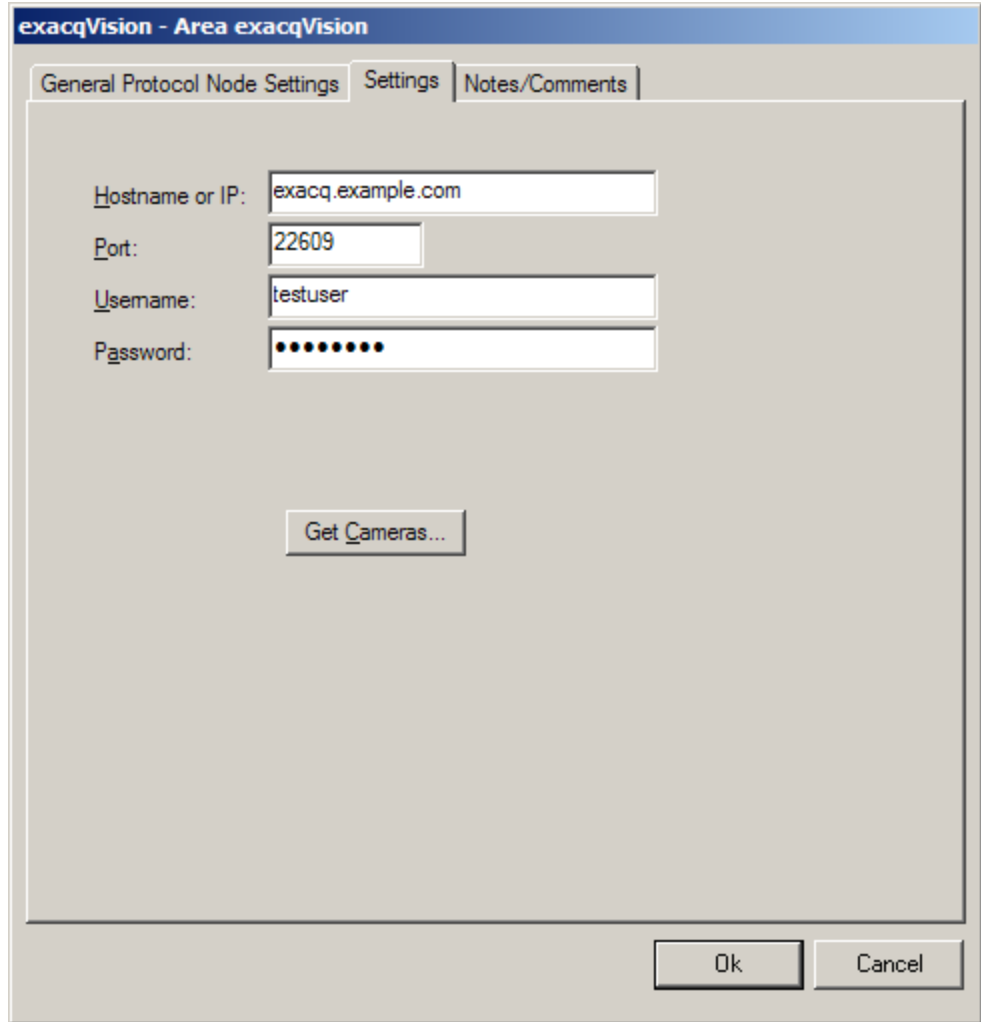


Configuring the Server Node

After a new RTU node has been added under the Area node, it needs to be configured. This is accomplished by selecting the properties of the RTU node:



Select the 'Settings' tab. Fill out the following required information:



Hostname or IP: This is the DNS hostname or IP address of the exacqVision server, DVR, or NVR.

Port: This is the port to connect to the DVR. The default port for exacqVision is 22609.

Username: Login account username to the DVR. See the documentation for exacqVision software configuration for instructions.

Password: The login account password for the user entered above.

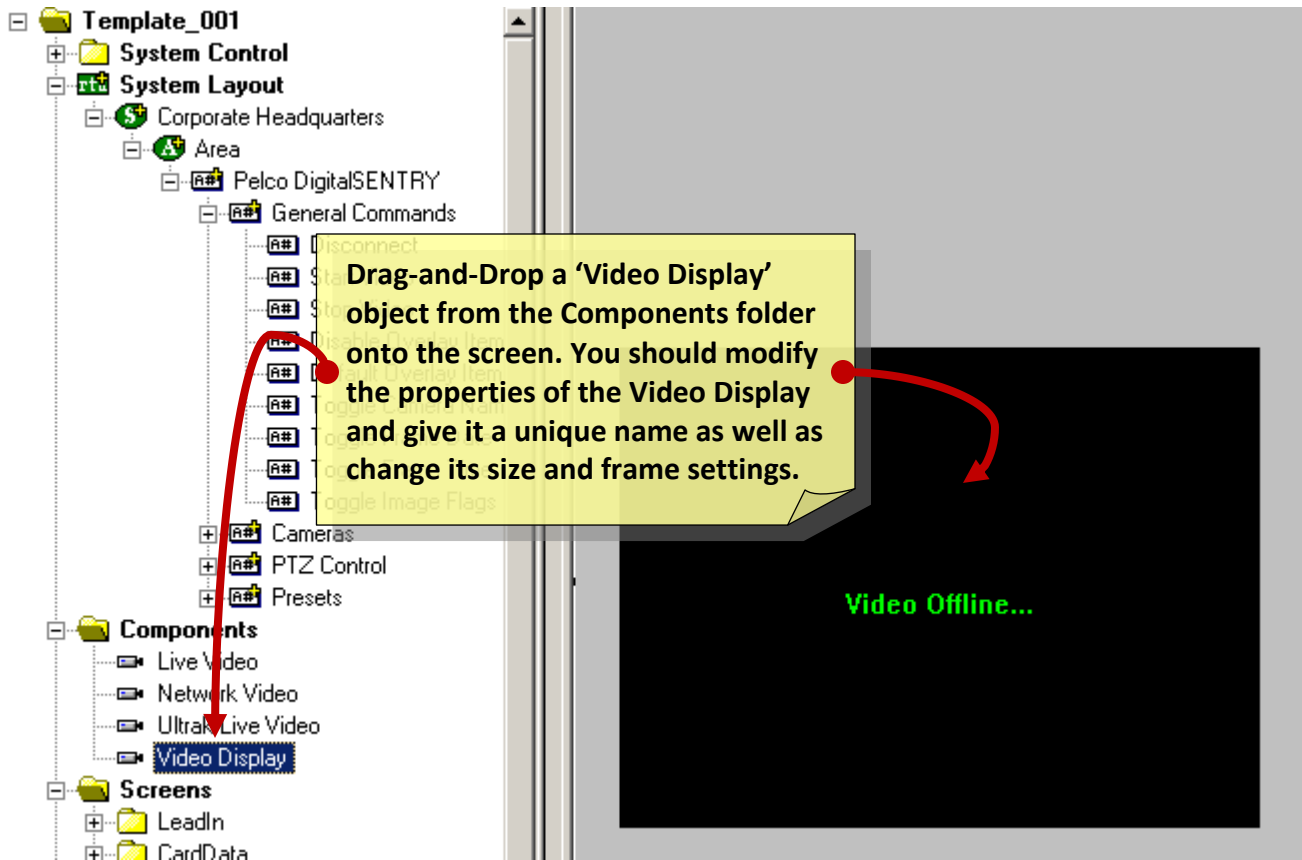
Get Cameras: Press this button after entering the login settings to import the DVR's cameras. The camera entries will be created and set up automatically.

Programming Examples

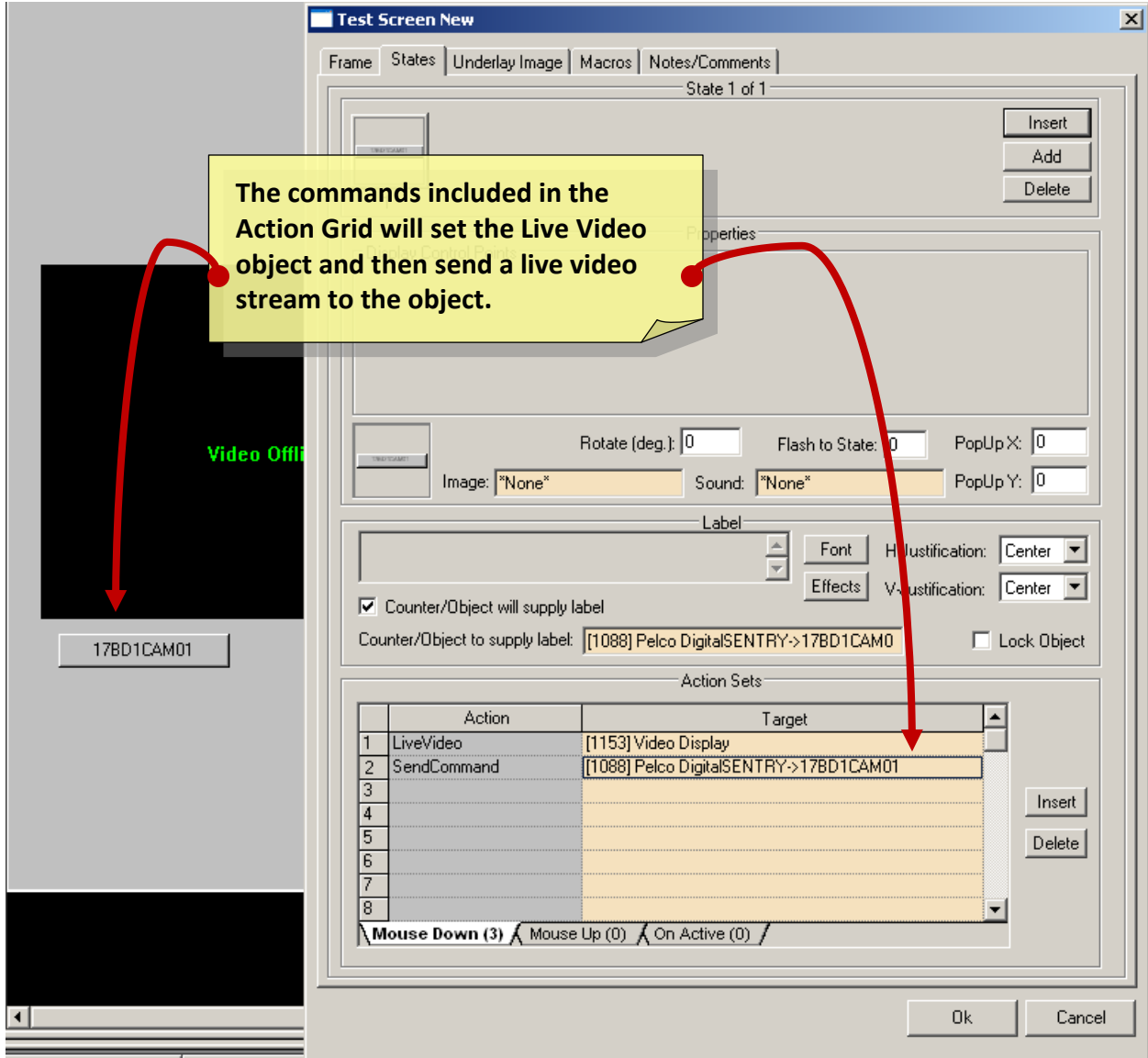
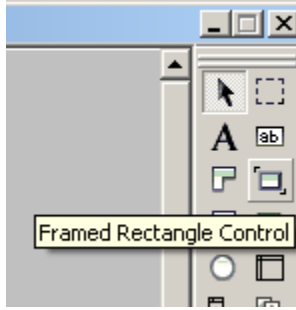
The following section describes some basic programming for exacqVision RTU functionality in Run Mode:

The first step in adding exacqVision RTU functionality is to create a Video Display Object. The Video Display Object is the display target for any exacqVision Video Channel (Camera). You can add as many Video Display Objects to a Screen as you need.

1. In Design Mode, Drag-and-Drop a 'Video Display' object from the Components folder onto the screen.



2. Create a control Screen Object (a button or icon) that directs a video channel (Camera) to the Video Display. The Action for any exacqVision command is always 'SendCommand', and the Target may be any sub-node under the exacqVision RTU. In the following example, we are sending live video stream (Camera) to the Video Display object that we created in the previous step.



3. In Run Mode select (mouse-down) the button. The resultant display should be live streaming video to the Video Display Object:



4. Additional video-related commands can be set up as SendCommand action targets. Currently, there is only one General Command by default:
 - a. **Disconnect:** Stop & close a video feed.

5. PTZ control commands will start PTZ camera movement. Once a movement is started, the movement will continue until a new command is sent. Send the appropriate stop command to end the movement. A good way to do this is to start movement on a button's Mouse Down action grid and stop it by sending 'Stop All Actions' on the same button's Mouse Up action grid.
 - a. '**Stop Pan/Tilt**' will stop panning and tilting, and leave the current zoom operation alone.
 - b. '**Stop Zoom**' will stop the current zoom, and leave the current tilt and pan operations as they are.
 - c. '**Stop All Actions**' will stop all PTZ movements.

The default speed when a camera is connected to the video display object is the speed configured for the camera in exacqVision.

	Action	Target
1	LiveVideo	[1116] Video Display
2	SendCommand	[1053] exacqVision->Tilt Up
3		
4		
5		
6		
7		
8		

Mouse Down (3) Mouse Up (2) On Active (0)

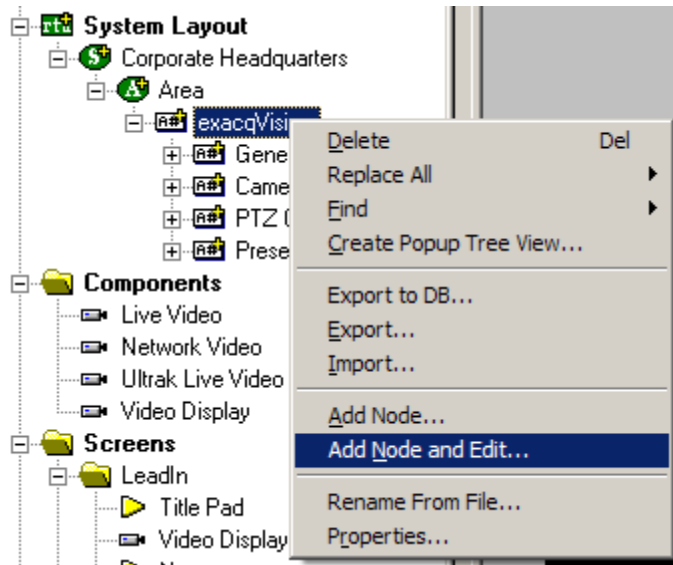
	Action	Target
1	LiveVideo	[1116] Video Display
2	SendCommand	[1063] exacqVision->Stop Pan/Tilt
3		
4		
5		
6		
7		
8		

Mouse Down (2) Mouse Up (2) On Active (0)

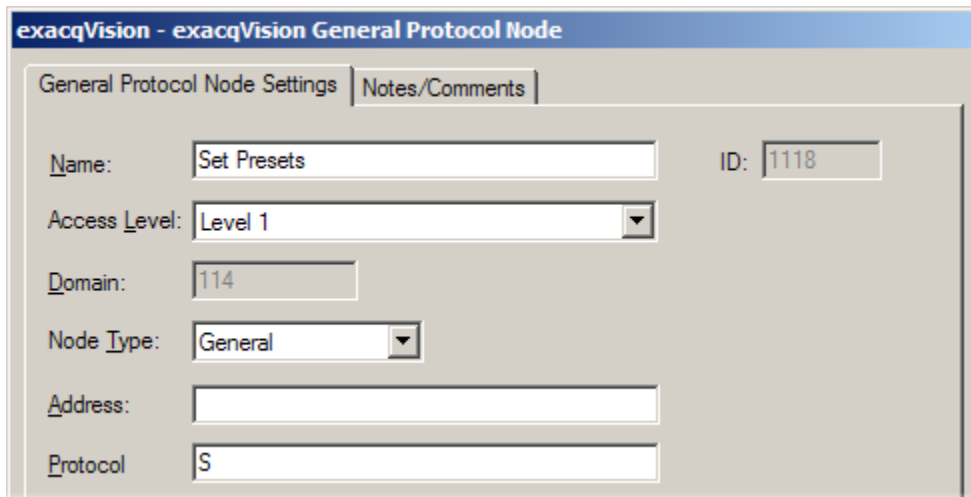
6. Presets are PTZ commands to move the camera to a set location. Preset nodes, when used as targets of the SendCommand action, perform the action of going to that preset's camera position.
7. To set a preset, a 'Set Presets' node group needs to be created under the RTU node with the preset numbers added as nodes under that 'Set Preset' node. After the new nodes have been created, use a SendCommand action to send a set preset node to a live video camera.

Instructions for Creating Set Preset nodes:

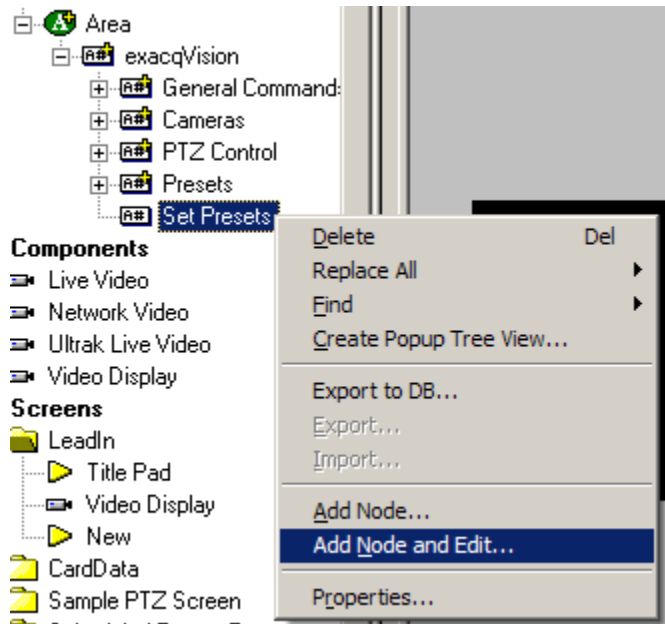
- a. Right-click on the exacqVision RTU node and choose 'Add Node and Edit...'.



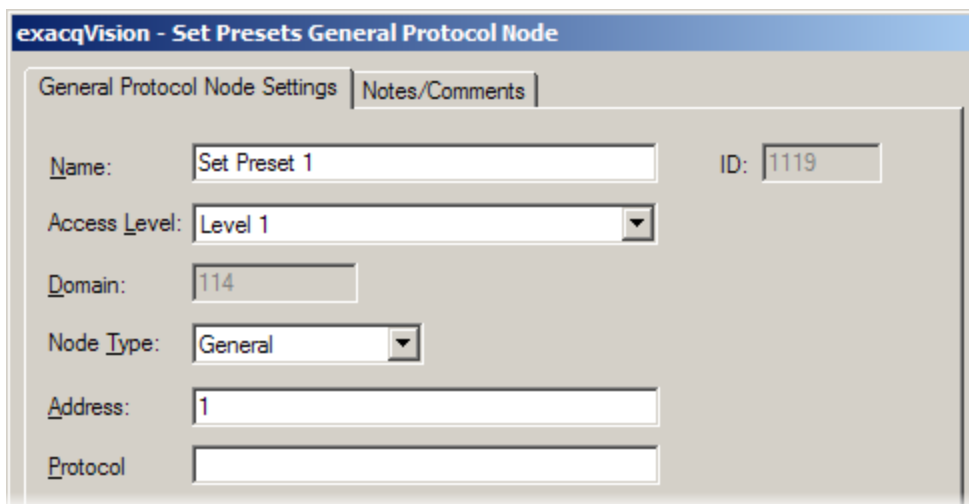
- b. For 'Name' enter 'Set Presets'. For 'Protocol' enter 'S' (capital letter S, without quotes). Click Ok.



- c. You should see the new node in the tree. Right-click the new 'Set Presets' node, and choose 'Add Node and Edit...' again.



- d. For 'Name' enter 'Set Preset 1' and 'Address' to '1' (without quotes), and leave other fields blank. Click 'Ok' to save the new node. Replace the '1' with other numbers to set other presets. For example, to set preset number 95, enter 'Set Preset 95' for the name and '95' for the address.



- e. After you click 'Ok', you will see the new preset node added to the tree. Add a set preset node for each number you want to be able to set.

