

Documentation

ADPro Video RTU Guide

Version 3.x

Intelli-Site

Security Management Software

ADPro Video 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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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/Setup Notes	7
Section 3 - ADPro DVR Setup (Design Mode)	8
Adding DVR Nodes.....	8
Configuring the DVR Node.....	9
Programming Examples.....	11
Section 4 - ADPro DVR Mode	14
Using the DVR Mode	14
Quick Start.....	15
Tab View Controls	16
Section 5 - ADPro DVR Driver Setup	21

Section 1 – Introduction

This section describes the following:

- Overview
- Technical Support Assistance

Overview

The ADPro Video RTUs (Receiver/Transmitter Units) are the Intelli-Site software representations of the ADPro Digital Video Recorders (DVR). For purposes of this document, the term RTU is synonymous with an ADPro DVR.

Technical Support Assistance

OSSI Headquarters

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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/Setup Notes

Prior to use of the ADPro DVR features, the Video Central application must be installed (either the Lite or Gold version). This software is required in order for the ADPro functionality within Intelli-Site to function. Video Central software is not included in the Intelli-Site software install package. The Video Central software may be installed either before or after the installation of the Intelli-Site software.

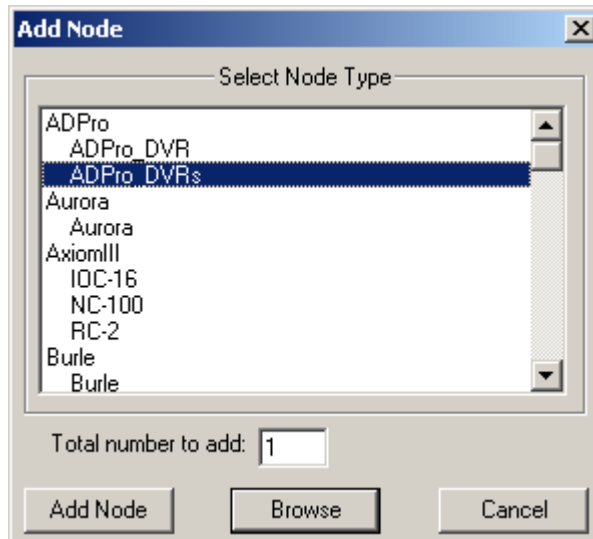
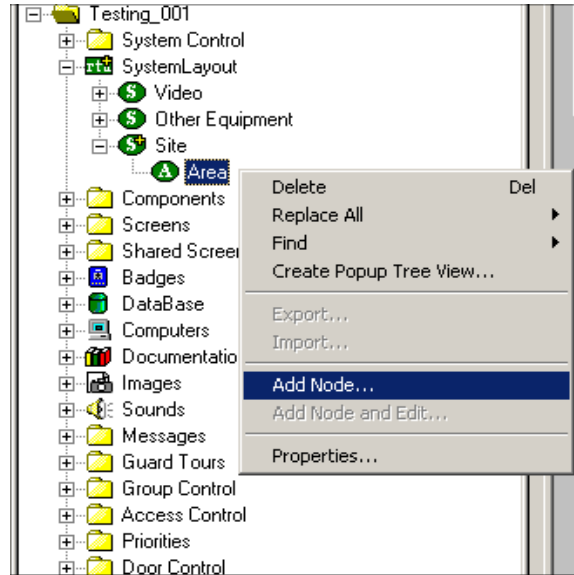
When using the ADPro driver, if more than one DVR is to be assigned to this driver or more than one instance of the driver is to be used, the ADPro driver should not be installed on the same computer as the Workstation. This is the case because the ADPro driver, when monitoring more than one DVR, will connect to each DVR to check its status. This changing of connections between DVRs can cause an interruption to any ADPro activity occurring within the Intelli-Site workstation (e.g. viewing live video or DVR administrative configuration).

Section 3 - ADPro DVR Setup (Design Mode)

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

Adding DVR Nodes

ADPro DVR nodes reside under a parent 'DVRs' node. This parent node must be added first (see figures below):



As displayed, the first step is to add one 'ADPro_DVRs' node from the list in the 'Add Node' dialog. Once this has been added, the user can begin adding individual DVR nodes:

Right mouse click on the 'ADPro DVRs' node and select 'Add Node', at which point a new DVR node will be created:



Configuring the DVR Node

After a DVR node has been added under the 'ADPro DVRs' node, it needs to be configured. This is accomplished by selecting the properties of the DVR node:

The screenshot shows a software window titled "ADPro DVR - ADPro DVRs ADPro DVR". It has three tabs: "General Protocol Node Settings", "Site Details", and "Notes/Comments". The "Site Details" tab is active. The form contains the following fields:

- "Site ID:" with a text box containing "FASTRACE".
- "Video Quality:" with a dropdown menu set to "High".
- "Audio Quality:" with a dropdown menu set to "High".
- "Directory to store downloaded and archived Media files:" with a text box containing "C:\Public\" and a "Browse..." button.

At the bottom right of the window are "Ok" and "Cancel" buttons.

Select the 'Site Details' tab. Fill out the following required information:

'Site ID:' This is the Site ID of the DVR.

'Video Quality' and 'Audio Quality': Three options exist: Low, Medium, and High. The default is High.

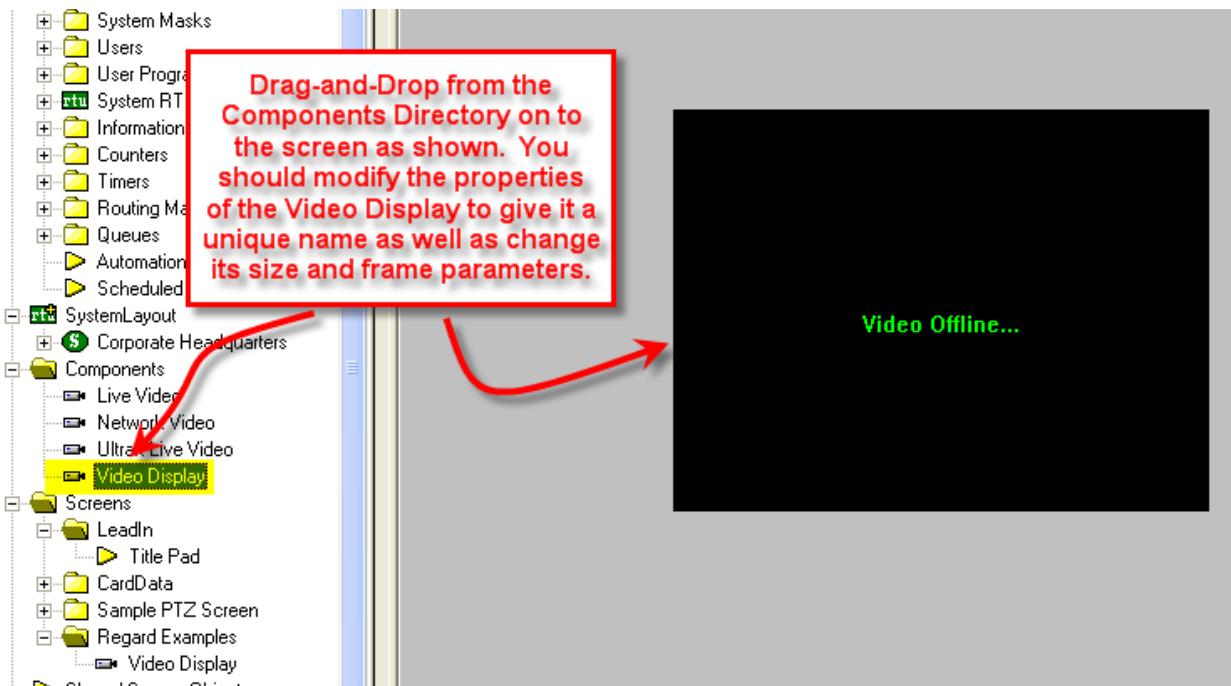
'Directory to store...': The path selected here will be the location where downloaded, exported and archived media files (video frames, audio clips, etc.) will be stored.

Programming Examples

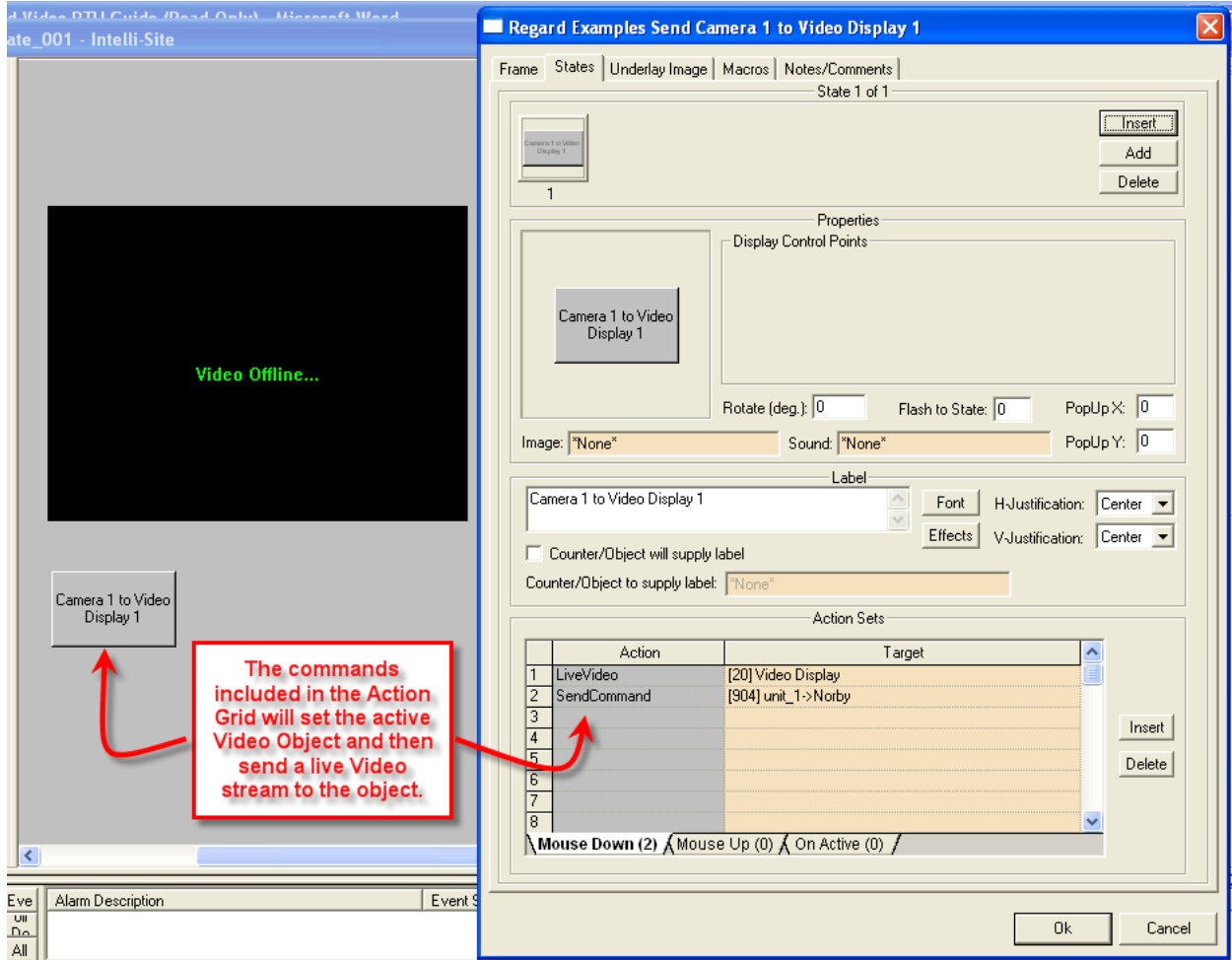
The following section describes some basic programming for ADPro RTU functionality in Run Mode:

The first step in adding ADPro RTU functionality is to create a Video Display Object. The Video Display Object is the display target for any ADPro Video Channel (Camera). You can add as many Video Display Objects to a Screen as you need. *However, only one live video feed may be viewed at a time.*

1. In Design Mode Drag-and-Drop a Video Display from the Components Directory on to 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 ADPro command is always SendCommand, and the Target may be any Subnode in the ADPro RTU. In the following example, we are sending live video stream (Camera) to the Video Display Object that we created in the previous step.



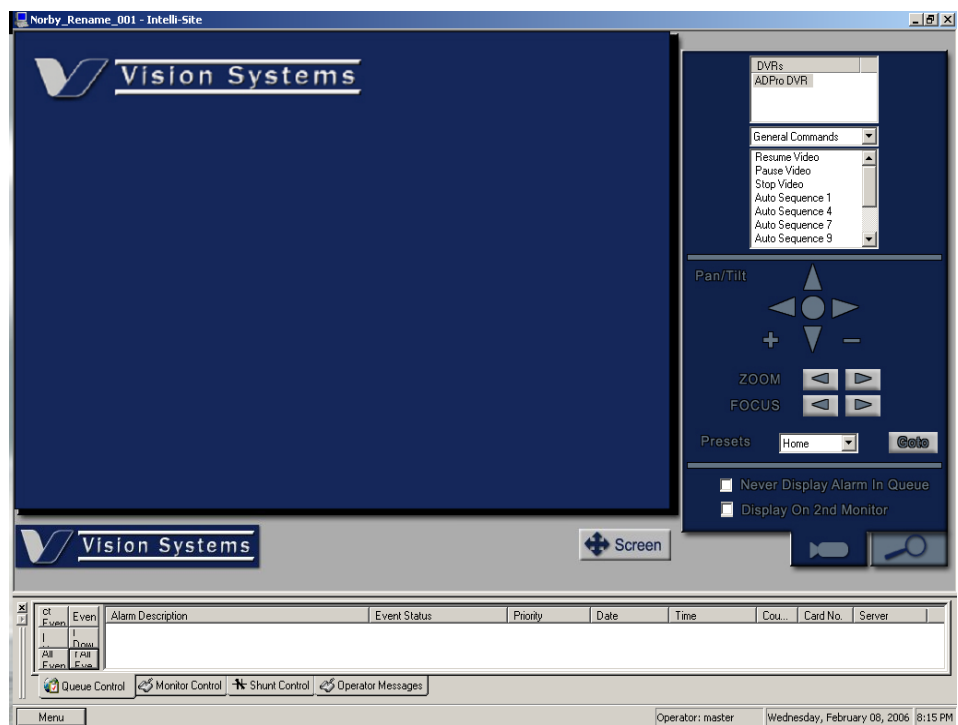
3. In Run Mode select (mouse-down) the button. The resultant display should be live streaming video to the Video Display Object:




4. Additional video-related commands can be set up as SendCommand action targets, such as:
 - a. Resume Video – Restarts a paused video stream.
 - b. Pause Video – Temporarily pauses a video stream.
 - c. Stop Video – Stops the current video stream.
 - d. AutoSequence – This command will display a video stream that will cycle through the cameras on the attached DVR. The camera feed will be switched every 'n' number of seconds, with 'n' being the dwell time configured in the DVR. Multiple camera feeds can be displayed in different layouts within the Video Display object. Selections include Auto Sequences displaying 1, 4, 7, 9, 10, 13, 16 and 20 concurrent camera feeds.
5. Outputs can be set on and off by setting up a button whose Action is SendCommand against the Output Node's On or Off subnodes. Note: The DVR must be configured such that the outputs can be set 'manually' in order to be able to use the On/Off nodes for Output control. Otherwise, the Output node itself can only be used to display its status. The ADPro Driver must be running in order to set and receive output status.
6. Preset Nodes, when used as targets of the SendCommand action, perform the action of going to that preset.
7. Alarm Inputs and Alarms can be used as display control points on a screen object to show the status of their status. The ADPro Driver must be running in order to receive alarm status.

Section 4 - ADPro DVR Mode

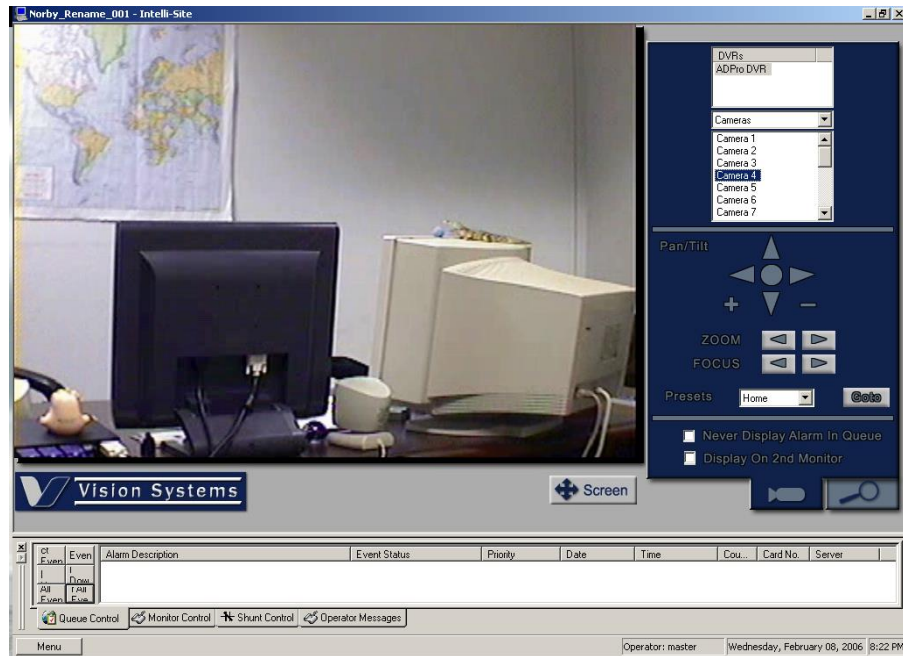
This section discusses the use of the ADPro DVR Multi View Mode.




Using the DVR Mode

- Click on the  icon on the Application Menu bar.

Quick Start



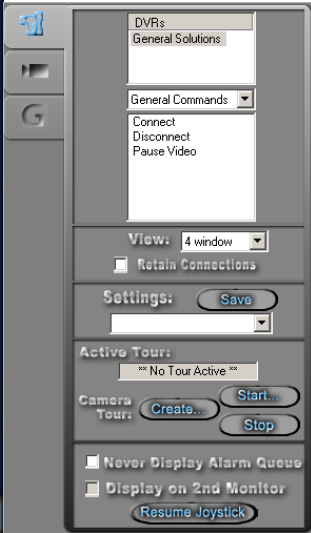
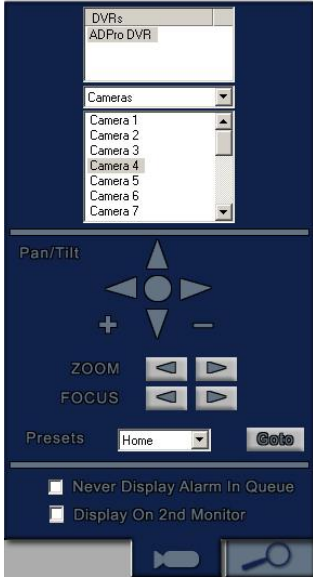
- On tab 1 , Double click on any camera node in the camera list to display its corresponding video feed (For our example we're using camera 4).

- Selecting the  button cause the video area to go full screen:



Tab View Controls

Tab 1 (Connections/PTZ)



• **DVRs:** This is a list of all the DVRs defined in the system. You can click or drag and drop them to start a tour.

Commands and Controls: This drop-down menu contains DVR commands and camera control options. These options apply to the DVR currently selected in the DVRs list.

Settings: A user can save configuration settings. The saved configuration file will contain the cameras and there will be a 'Resume Joystick' button.

Display Alarm Queue: When selected, alarm events that are received by the system will not cause the alarm queue to be displayed (while the user is in this view).

• **Display on 2nd Monitor:** When selected, this view is automatically displayed on a 2nd monitor (if available). This view will always be displayed on a 2nd monitor until the option is unselected.

Tab 2 (Admin/Search Options)



Current DVR: ADPro DVR Admin

Start: Feb/13/2006 15:35:41

End: Feb/13/2006 15:35:41

Event Search

Cameras (comma sep.):

Download Cancel

Event #: Search Export

New Download Prealarm Images

Clear Event Information

Current DVR: DM DVR 1

Start: Dec/22/2005 12:28:27

End: Dec/22/2005 12:28:27

Search Save Clip Abort Save

FF/RW Speed: Normal

Alarm Events

Standard Activity System

Query

Cam.	SDate	ETime	Desc.	EDate

PTZ

- **Current DVR:** Lists the name of the DVR that is currently active.
- **Start:** Enter the Start Date and Time for an Event Search or Camera Download.
- **End:** Enter the End Date and Time for an Event Search or a Camera Download.
- **Event Search:** Select this button to perform a search of events against the Current DVR using the start/end times specified. The results will be displayed in the 'Event Information' list box at the bottom of this tab.
- **Cameras (comma sep):** Specify the camera numbers, separated by commas, for which you wish to download event data.
- **Download/Cancel:** The 'Download' button starts downloading event data for the cameras specified in the 'Cameras' edit field for the time period designated by the start/end date fields. The progress of the download can be seen in the progress bar located to the right of the 'Cancel' button. The 'Cancel' button cancels this download process. A text entry in the 'Event Information' list box will be added once the download process is complete or canceled.
- **Event #:** Specify the event number that is to be used by the 'Search', 'Export', 'New', and 'Download Pre-alarm Images' functions.
- **Search:** Retrieves information about the event # specified and presents this information in the 'Event Information' list-box. Details include the type of event, time, whether or not it has been acknowledged, priority, etc. An Event Search or new Event must have been performed prior to using this function.

- **Export:** This button retrieves images and audio for the designated event. The progress of the Export can be seen in the progress bar to the right of the 'Event Information' text label.
- **New:** Retrieves a new site event identified by the event # specified.
- **Dwnld Prealarm Images:** Download the pre-alarm images associated with the event # specified.
- **Clear:** Clear the 'Event Information' list-box.
- **Query:** Selecting this button performs a query based on the search criteria. The search criteria include the Start Date/Time, End Date/Time, and the Alarm Event types selected. The results are displayed in the Query Results list.
- **Admin:** Displays the Administration dialog (see image on the next page) that allows for editing multiple details for the Current DVR. These details are located in the 'Site Details For:' section. This dialog also has the following sections at the bottom:
 - **General Site Administration:** Use the 'Get All Sites' button to retrieve all configured sites on the computer. Once a site from the list is selected, it can be deleted, connected to, acknowledged, selected (and thereby put into the VC's 'active sites' list), Hung Up (disconnected), or 'Finished' (disconnects the site and places it in VC's 'active sites' list). The selected site can also be Armed/Disarmed (secured/unsecured), as well as queried for its current 'Armed' status.
 - **The 'Detector' area** is used for retrieving the status of one or all detectors of a certain type. A specific detector (or all) can have their Isolation status changed by selecting the 'Isolate' button, which will toggle the Isolation status.
 - **The 'Data' area** can be used to archive or delete data for the selected site. The date range is specified in the 'From' and 'To' date fields.

- **The 'Activity/Status' list box** displays results from performing actions such as Connecting, querying and setting 'Armed' status, and displaying detector state after querying or changing Isolation status.
- **Create Site:** This is the area where a Site Name (SiteID) is typed and the 'Create Site' button is selected to create a new site. Once this is done, re-clicking the 'Get All Sites' button will display the newly created site in its list.

The screenshot shows a software window titled "Administration" with a close button (X) in the top right corner. The window is divided into two main sections:

Site Details For: FASTRACE

This section contains a form with the following fields and values:

- Site Name: FASTRACE
- Site Type: FastTrace (dropdown)
- Line Type: Network (dropdown)
- IP Address/Phone #: 192.168.12.240
- Password: FT2222
- Contact: John Smith
- Phone: 303-233-4323
- Email: (empty)
- Fax: 303-233-4400
- Mobile: 303-743-3221
- Company: My Comany
- Address: 100 Main Street
- City: Dallas
- State: TX
- Zip Code: 76022
- Location Descr.: USA
- Map Reference: Don't Know
- All OK Password: FT2222
- Time Zone (e.g 9.30): 8.23
- User Notification: (empty)
- User Location: (empty)
- User Contact: (empty)
- Save audio/video to database:
- Stay Online:
- Download Images:
- Hunt Group #: 0

Buttons at the bottom of this section: **Edit Site** and **Save Changes**.

General Site Administration

This section contains various control buttons and fields:

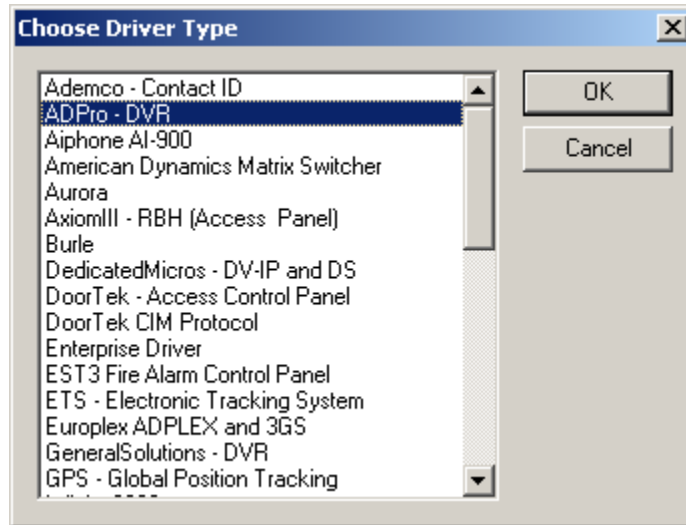
- Buttons: Get All Sites (dropdown), Delete Site, Arm Site, Disarm Site, Connect, AckSite, Select, Hang Up, Finish, Is Armed?
- Detector Type: (dropdown)
- Detector #: (input) or All
- From: Feb/13/2006 (dropdown)
- To: Feb/13/2006 (dropdown)
- Buttons: Get Param (dropdown), Isolation, Isolate , Archive Data, Delete Data
- Buttons: Create Site (input), Close

On the right side of the General Site Administration section, there is a large empty box labeled "Activity/Status:".

Section 5 - ADPro DVR Driver Setup

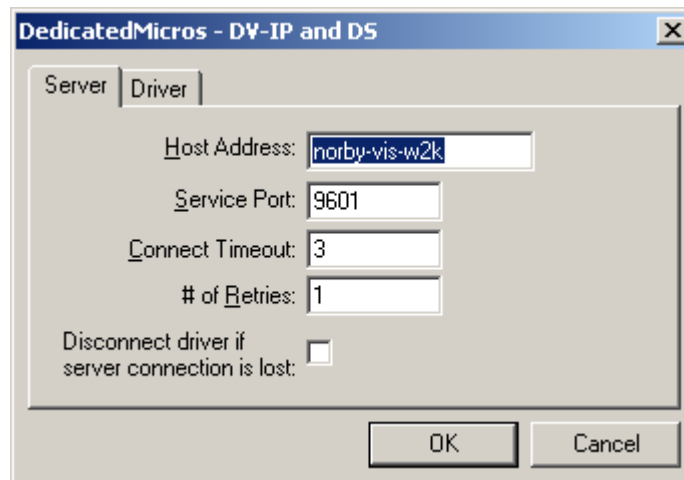
This section discusses ADPro DVR Driver setup.

Open the Driver Service window and select the Add button:



Select the 'ADPro - DVR' item and select OK.

There are no extra configuration fields for the ADPro DVR. As with any driver, fill out the Host Address, Domain and other fields as needed.



One ADPro DVR driver needs to be added for each 'ADPro DVRs' node in the project tree. This means one driver for each top-level 'ADPro DVRs' node, NOT for each DVR node.

Status of inputs, outputs, and alarms listed in the DVR node(s) will be reported by the Driver.