NETVIEWER & HARD DRIVE VIEWER MANUAL

Instruction Manual

English Version 1.0



MODEL:
L284161

LOREX®

www.lorexcctv.com

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About Netviewer

The NetViewer software package allows you to access your DVR from a remote location to view live and previously recorded video.

- View and Record from your PC - Connect your Observation System to your Network
- Minimum System Requirements: Windows XP, Pentium 4 processor with 256MB RAM

System Requirements

The NetViewer software (included with the DVR) has the following installation requirements.

Minimum System Requirements:

Operating System	Windows 2000 Windows XP Home Edition Windows XP Professional
Processor	Pentium 4 - 1.5 GHz Processor (or equivalent)
Memory	256 MB RAM
Hard Drive	50 MB - Installation space required ***** Additional Hard Drive space required for recording. Recorded file size will vary depending on recording quality settings

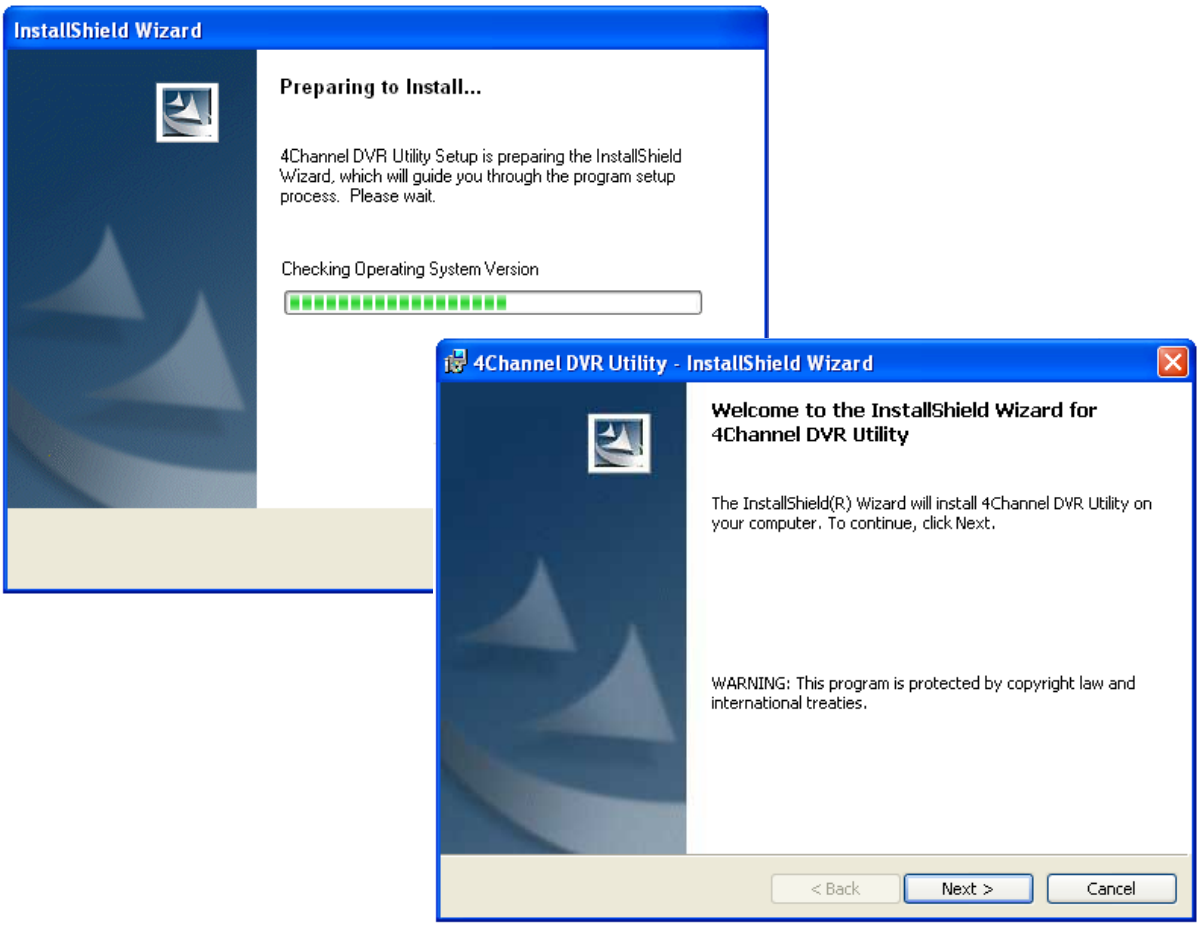
Recommended System Requirements:

Operating System	Windows XP Home Edition Windows XP Professional
Processor	Pentium 4 / 3 GHz Processor (or equivalent)
Memory	1024 MB RAM
Hard Drive	50 MB - Installation space required ***** Additional Hard Drive space required for recording. Recorded file size will vary depending on recording quality settings

Software Installation

Place the NetViewer Installation CD in the CD-ROM Drive of your Computer. The Software Install Wizard for the 4Channel DVR Utility will begin.

1. Click **NEXT** to continue the Installation



NOTE: If the Installation Process does not automatically start, you will have to begin the installation process manually:

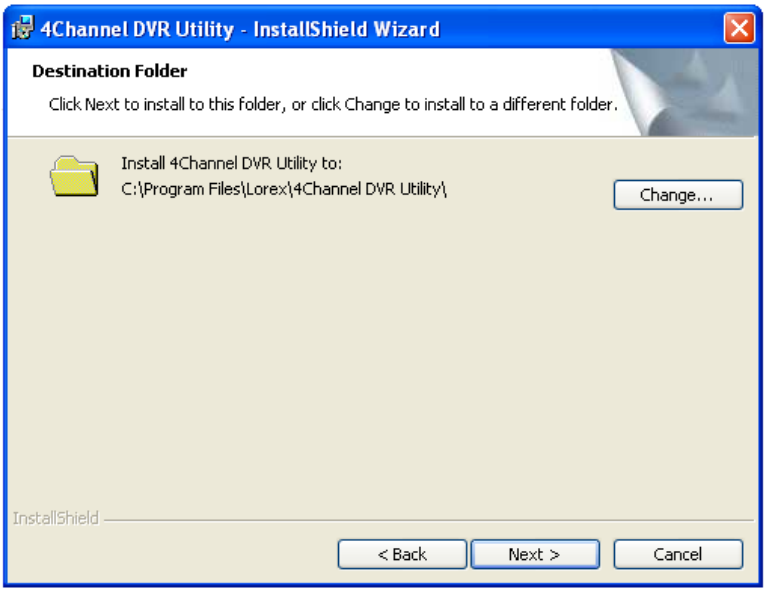
- Double Click the **MY COMPUTER** icon on your Desktop
- Double Click the **CD-ROM DRIVE** (Drive Letter will vary depending on the number of drives in your computer)
- Double Click the **SETUP.EXE** file (may appear as **SETUP** with no file extension, depending on your system settings.



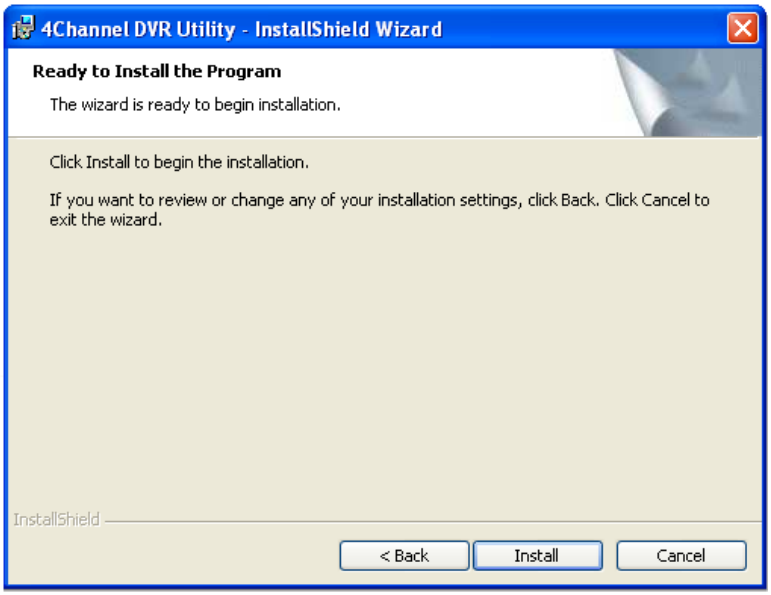
The Installation Process will begin.

2. The Destination Folder dialogue window allows you to select the Installation Directory. Click the **CHANGE** button to change the Installation Directory, or click **NEXT** to accept the default location:

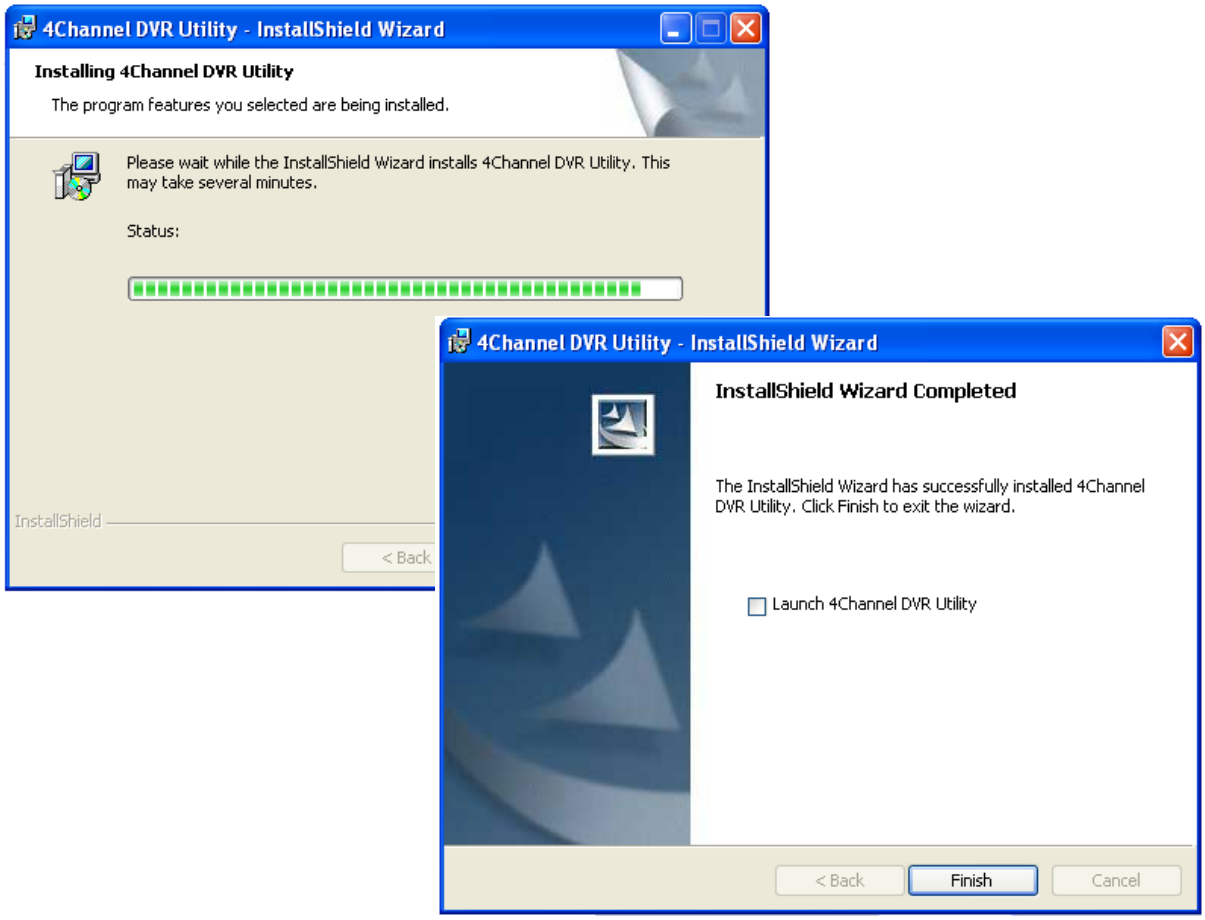
   • C:\Program Files\Lorex\4Channel DVR Utility\



3. Click the **INSTALL** button to begin the Installation.

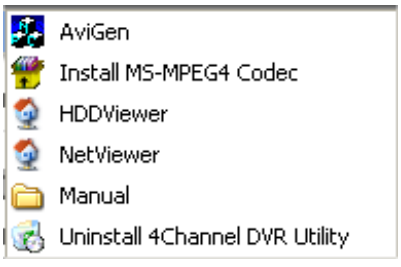


4. Click on the **FINISH** button to complete the Installation Process.



NOTE: The following Program Shortcuts will be created:

- Start Menu - Programs - Lorex - 4Channel DVR Utility
  - AviGen
  - Install MS-MPEG4 Codec
  - NetViewer
  - HDDViewer
  - Manuals
  - Uninstall 4Channel DVR Utility



- Desktop Shortcuts for:
  - NetViewer
  - HDDViewer



Configuring the Online DIPS Server Account

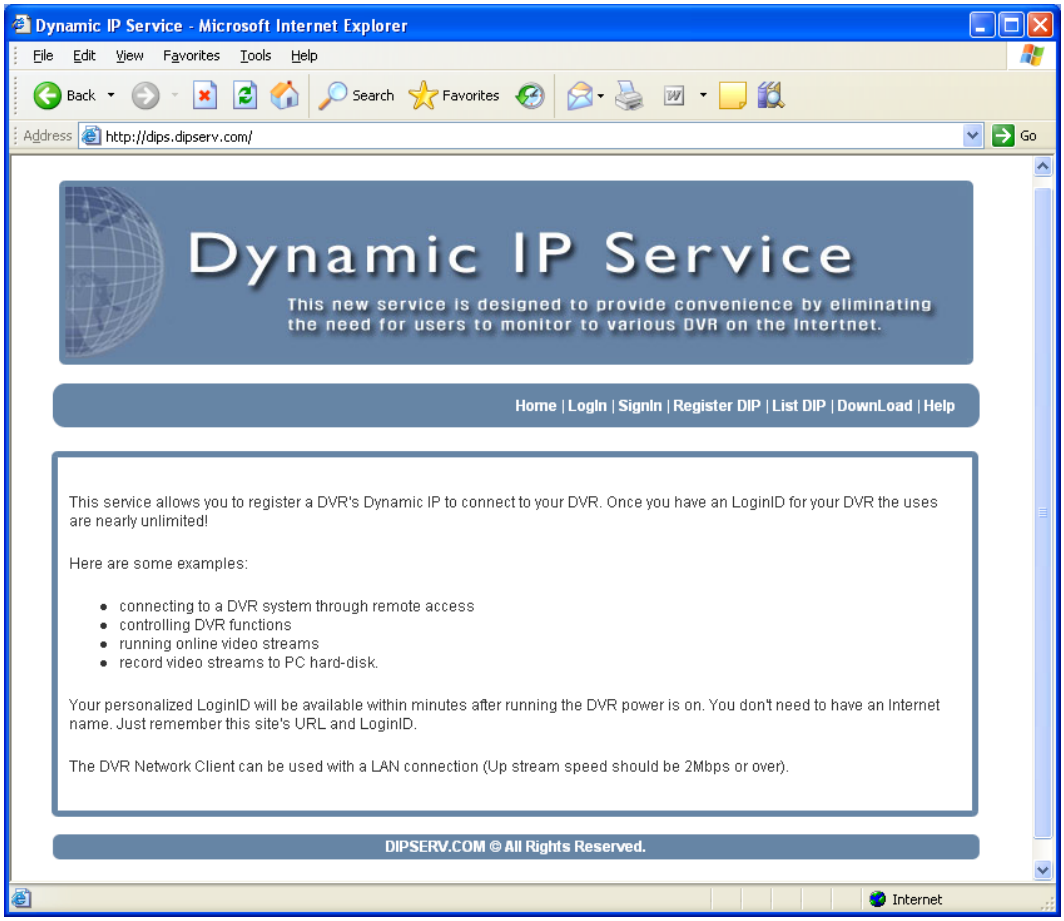
To remotely access the DVR, you will need the following information from the DVR Unit. Press the **ONE FRAME** button on the **MAIN CONTROL** or on the **REMOTE CONTROL** while in Camera viewing mode to locate the following System Information:

- Version: _____
- IP ADDRESS: _____ . _____ . _____ . _____
- MAC ADDRESS: _____ : _____ : _____ : _____ : _____ : _____
- PRODUCT ID: _____ - _____

This information can also be located from the DVR's' **MENU - NETWORK** settings. Refer to the **DVR MANUAL** for further information on **MENU** settings.

Once the above information has been recorded, the **ONLINE DIPS SERVER** can be configured.

1. Open a Web Browser and navigate to **http://dips.dipserv.com/**



2. Click on **SIGNIN** on the Navigation Bar to create a new account. Enter information for:

- Login ID
- Name
- Password

Click the **SIGNIN** button to create your account.



A confirmation dialogue box will appear indicating a successful account setup:

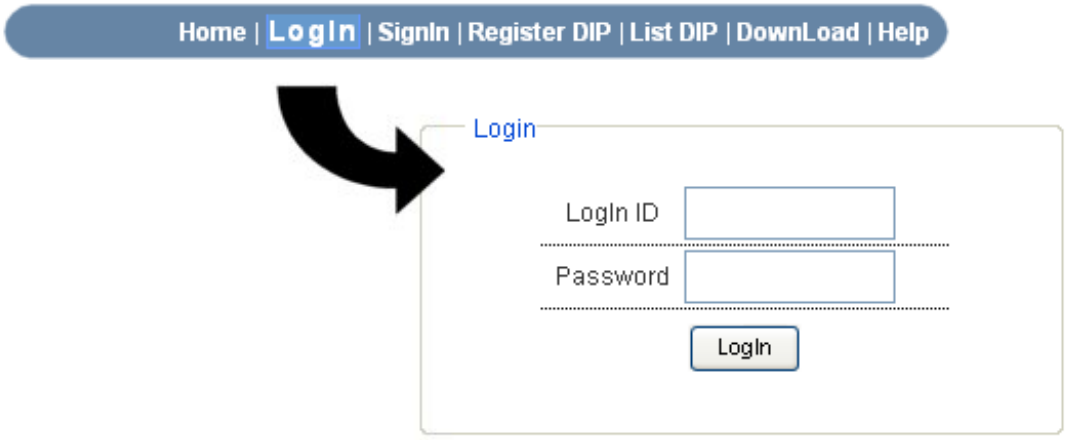


3. Click on the **LOGIN** button to log into the **DIPS ONLINE SERVER** using your newly created account information:

   • Login ID

   • Password

Click the **LOGIN** button to Sign In.



A confirmation box will appear indicating a successful Login:



The Navigation bar options will change once you have successfully logged into the system:



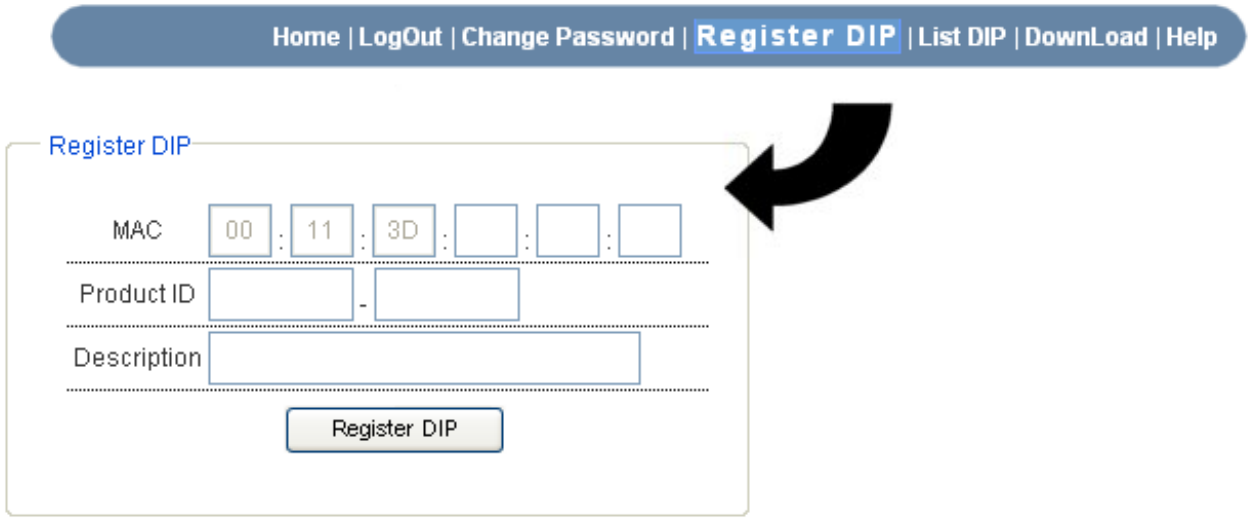
4. Click on **REGISTER DIP** on the Navigation Bar to add your DVR information. Enter information for:

   • MAC ADDRESS - Information found on the DVR

   • PRODUCT ID - Information found on the DVR

   • DESCRIPTION - Any name you would like to call the unit (i.e. Warehouse, House, NY Office)

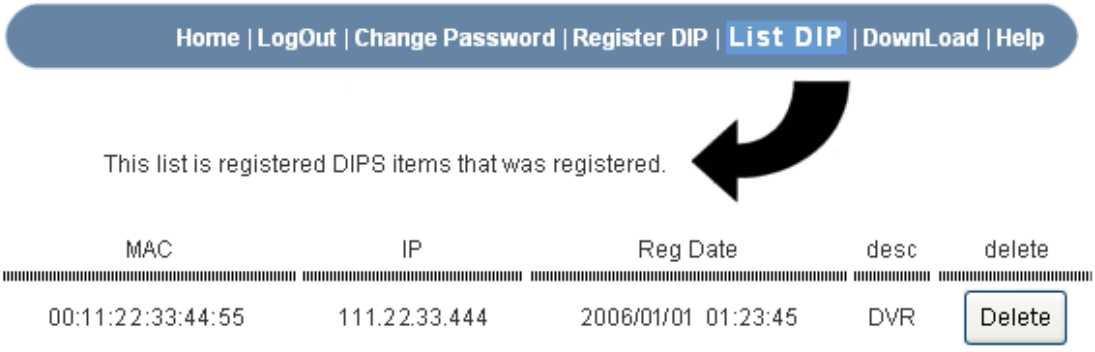
Click the **REGISTER DIP** button to add this information to your account.



A confirmation box will appear indicating that the information has been entered successfully:



5. To view the DIP Settings, click the **LIST DIP** on the Navigation Bar.

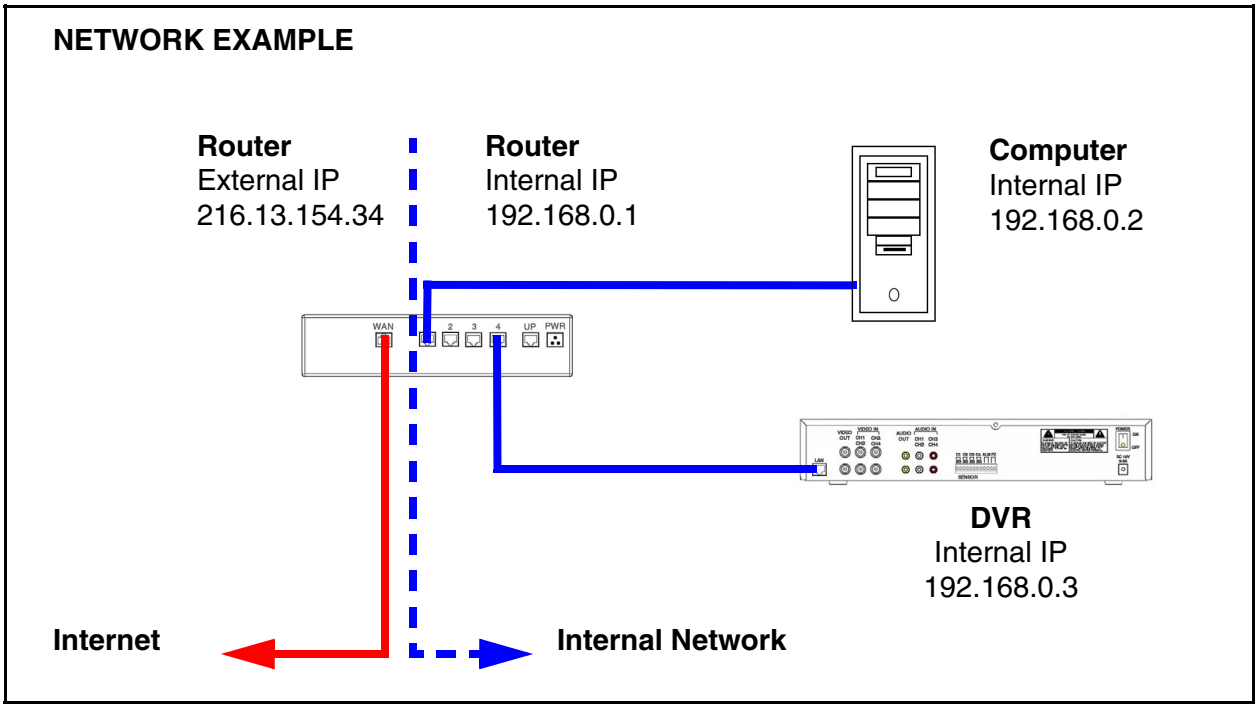


Router Port Forwarding

You will need to enable port forwarding on your Router to allow for external communications with your DVR. The following ports will need to be forwarded:

- 14337
- 14338

Computers, DVR's, and other devices inside your network can only communicate directly with each other within the internal network. Computers and systems outside your network cannot directly communicate with these devices. When a system on the internal network needs to send or receive information from a system outside the network (i.e.. from the Internet), the information is sent to the Router.



When a computer on the Internet needs to send data to your internal network, it sends this data to the external IP address of the Router. The Router then needs to decide where this data is to be sent to. This is where setting up Port Forwarding becomes important.

Port Forwarding tells the router which device on the internal network to send the data to. When you set up port forwarding on your Router, it takes the data from the external IP address:port number and sends that data to an internal IP address:port number (i.e **Router External IP 216.13.154.34:14337 to DVR Internal IP 192.168.0.3:14337**).

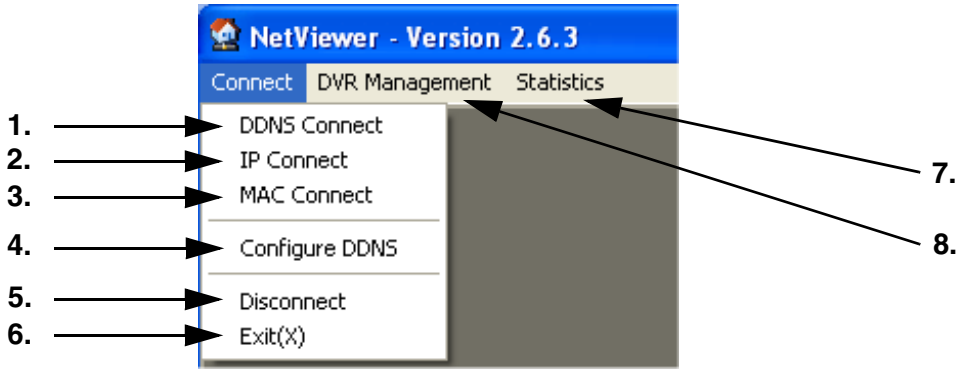
The instructions found online in the **Router Configuration Guide** will assist you in the port forwarding configurations for a selection of different router models.

Visit our **Consumer Guides Support** website at **http://www.lorexcctv.com** for more details.

NetViewer Software

Menu Functionality

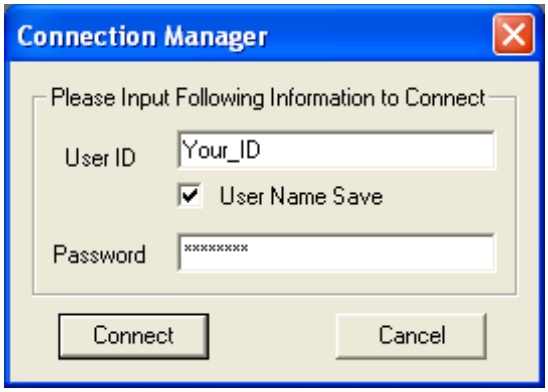
The Connect Menu options allow you to use your PC to remotely connect to your DVR (once you have successfully configured your system on the **ONLINE DIPS SERVER** and set the **PORT FORWARDING** on your specific model of Router)



1. **DDNS Connect** - Connect to the DVR using the **USER ID** and **PASSWORD** that was used to configure the **ONLINE DIPS SERVER** account.

   Click the checkbox beside **USER NAME SAVE** to keep your **USER ID** in the program memory.

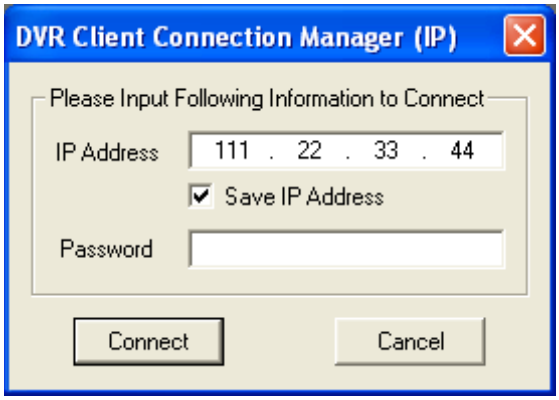
   Click the **CONNECT** button to access the DVR.



2. **IP CONNECT** - Connect to the DVR using the **IP ADDRESS** and **PASSWORD** found in the DVR's' **NETWORK SETTINGS**.

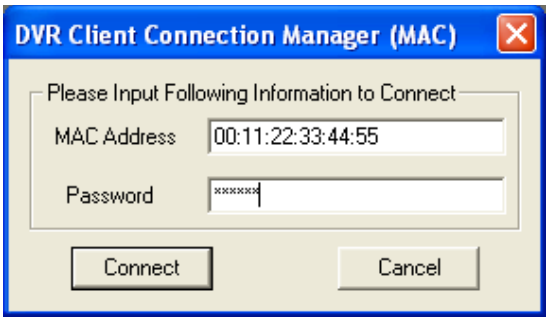
   Click the checkbox beside **SAVE IP ADDRESS** to keep your **IP ADDRESS** in the program memory.

   Click the **CONNECT** button to access the DVR.



3. **MAC CONNECT** - Connect to the DVR using the **MAC ADDRESS** and **PASSWORD** found in the DVR's' **NETWORK SETTINGS**.

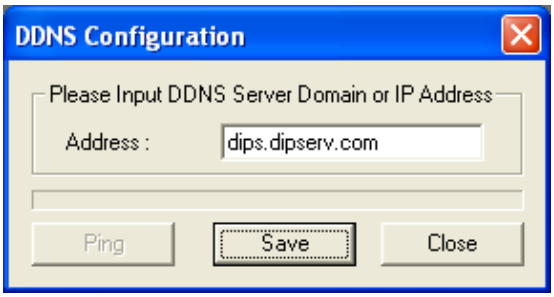
   Click the **CONNECT** button to access the DVR.



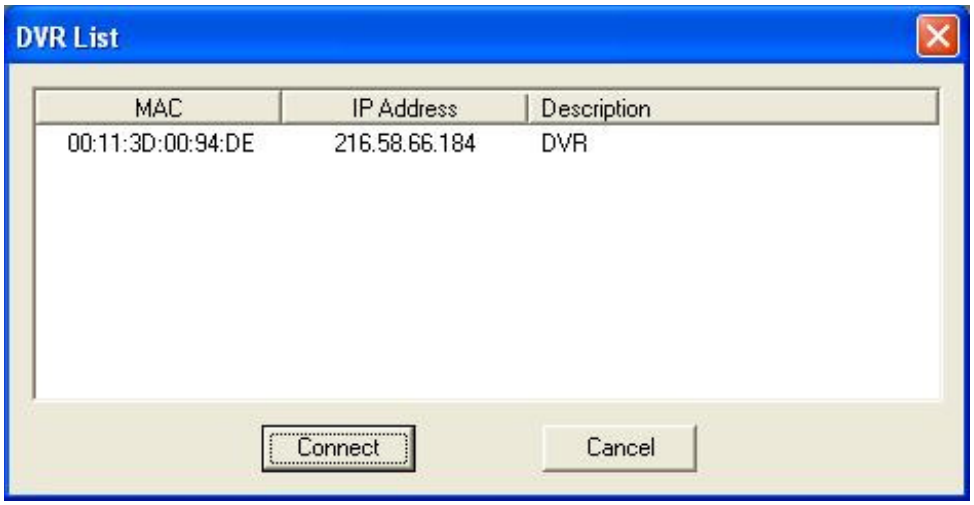
4. **DDNS CONFIGURATION** - Connection Address for the **DIPS ONLINE SERVER.** The default address is

   • dips.dipserv.com

   This Address should not be changed.



NOTE: Once a successful connection has been made to the **ONLINE DIPS SERVER**, a listing of all configured devices will appear.

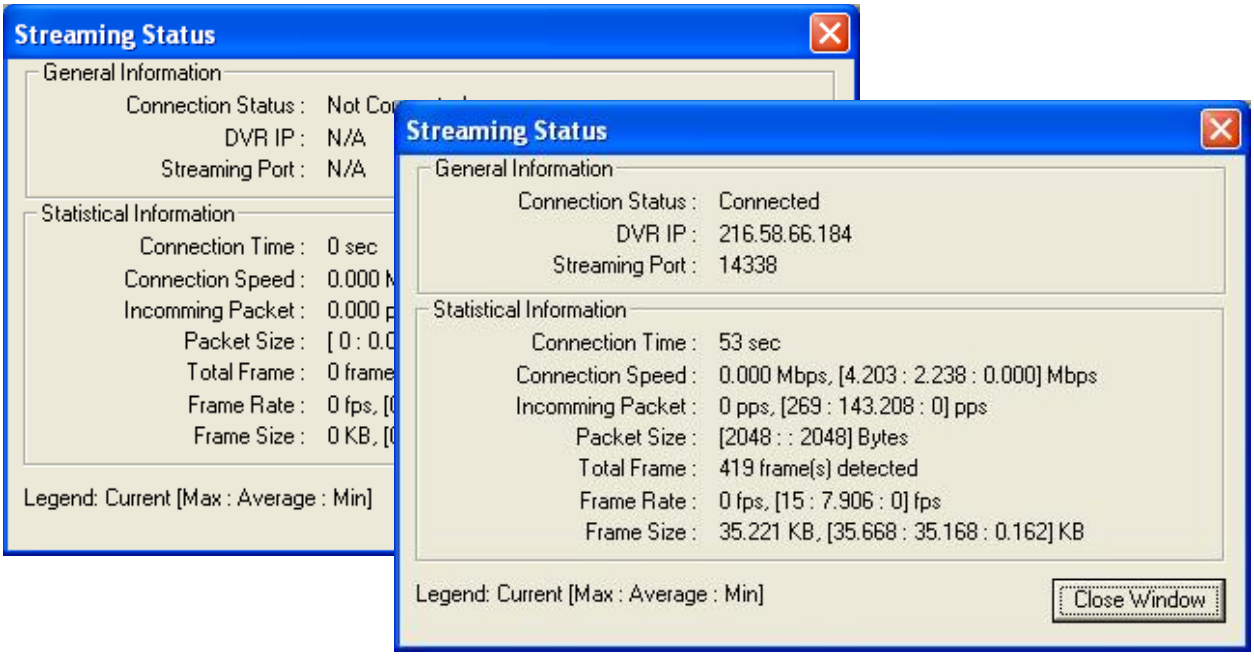


Select the Device from the **DVR LIST**, and click the **CONNECT** button to start **REMOTE VIEWING.**

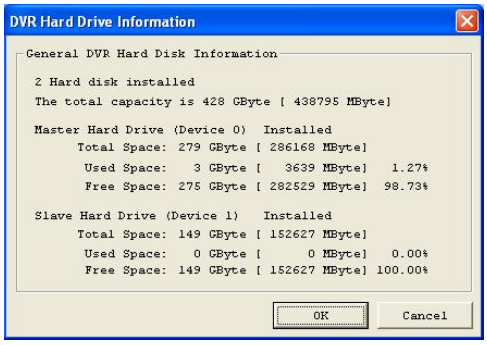
5. **DISCONNECT** - Disconnects the application from the DVR.

6. **EXIT** - Exits the program.

7. **STATISTICS** - Displays the Network Statistics for the connected DVR Unit.

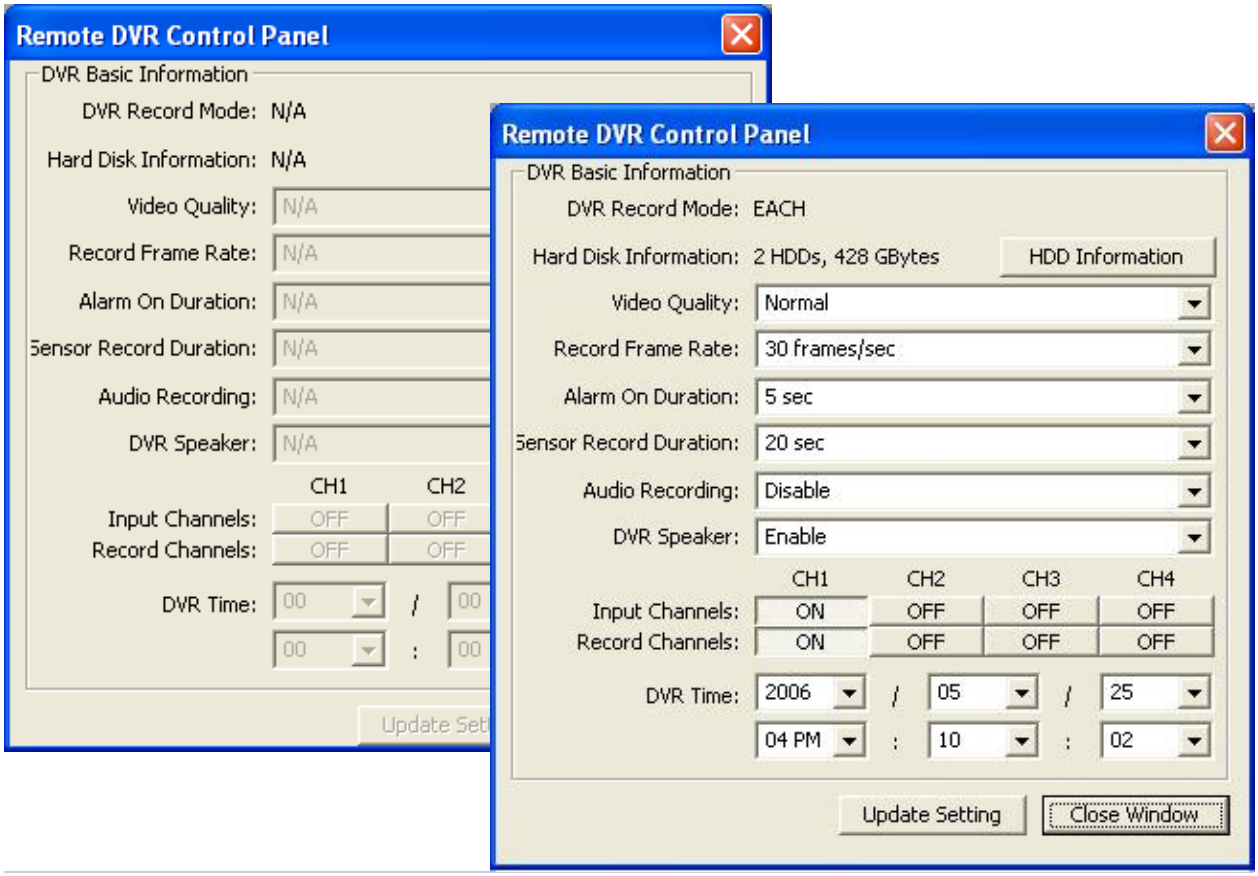


8. **DVR Management** - Displays the Control Settings for the DVR Unit:



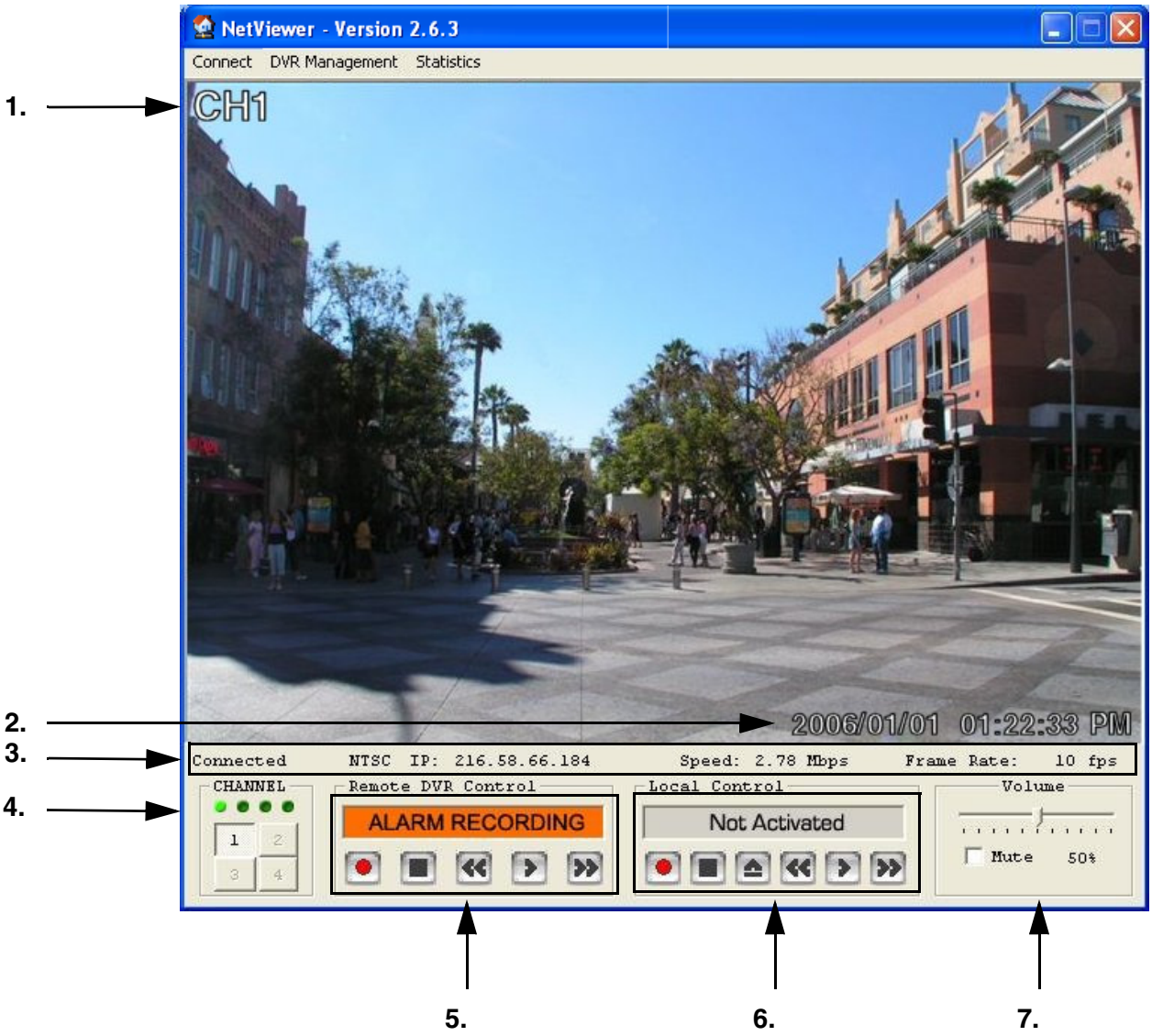
- **HARD DISK INFORMATION** - Displays the Installed DVR Hard Drive information. Clicking on the **HDD INFORMATION** button will display a dialogue box with detailed Hard Drive information.
- **VIDEO QUALITY** - Set the Video Display Quality. Options include
- **RECORD FRAME RATE** - Set the number of Frames Per Second to Record. Options include
- **ALARM ON DURATION** - The duration that a Camera will stay in Alarm. Options include
- **SENSOR RECORD DURATION** - The duration that a Sensor will record
- **INPUT CHANNELS / RECORD CHANNELS** - Set the **INPUT** and **RECORD** for channels **CH1-CH4**
- **DVR TIME** - Set the time on the **DVR UNIT**. Settings for Year, Month, Day, Hour, Minute and second.

Once the settings have been changed, click the **UPDATE SETTING** button to update the **DVR UNIT**. Click the **CLOSE WINDOW** button to exit the dialogue box.



Main Screen Functionality

The Main Screen Functionality options allow you to remotely control your DVR unit.



1. **CH1 - CH4** - Currently displayed Camera

2. **DATE / TIME** - The Date and Time on the DVR Unit

3. **CONNECTION DETAILS**:

   - Connected - Indicates Connection status as **CONNECTED** or **DISCONNECTED**
   - NTSC IP - Indicates the IP address of the **DVR**
   - Speed - Indicates the current data receiving (in Mb / sec.)
   - Frame Rate - The currently displayed Frame Rate of the Camera (in fps)

4. **CHANNEL CONTROL** - Control panel for Channel Control. Allows the user to switch between CH1 - CH4 by pressing the corresponding Channel Button.

5. **REMOTE DVR CONTROL** - Allows the user to remotely control the DVR Unit:


• **REC BUTTON** - Start recording on the DVR Unit.


• **STOP** - Stops recording or playback on the DVR Unit.


• **REWIND** - Rewinds the playback of a previously recorded event.


• **FAST FORWARD** - Fast Forwards the playback of a previously recorded event.

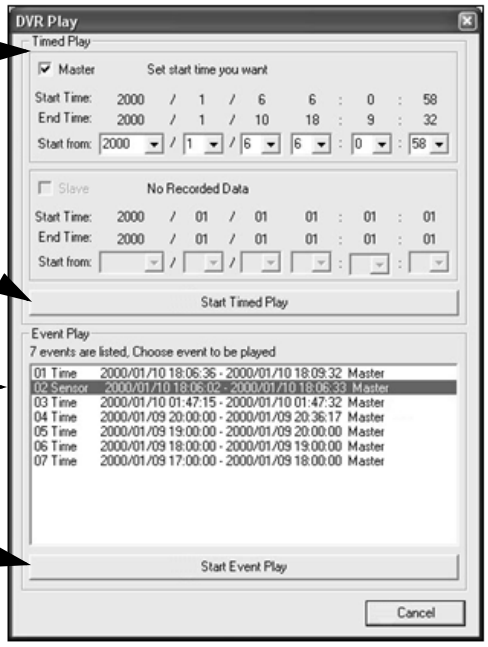

• **PLAY** - Displays a listing of previously recorded events on the DVR Unit:

Time Search - Select either the DVR Master Hard Drive or Slave Hard Drive, and set the START and END Times

Time Search Playback - Once Times have been selected, click to Play previously recorded events from the DVR.

Event Playback - Displays a listing of Previously Recorded Events on the DVR..

Start Event Playback - Once an Event has been selected, click to Play previously recorded events from the DVR.



6. **LOCAL CONTROL** - Controls the playback and recording to the **LOCAL PC**. Controls work in the same way as the **REMOTE DVR CONTROLS**, however all PLAYBACK and RECORDING are taking place from the Local PC Hard Drive(s).

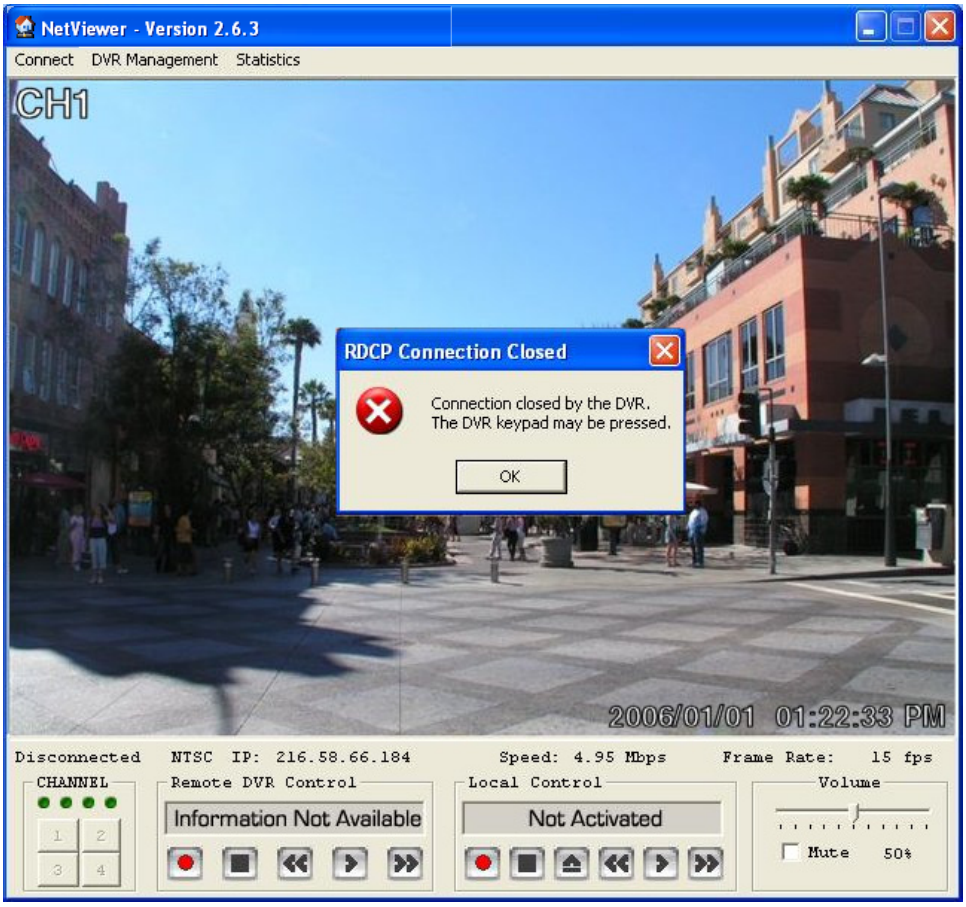
7. **VOLUME** - Controls the Volume on the currently displayed Video Image.

Disconnecting from the DVR

The connection to the DVR can be closed in two ways.

1. Disconnecting from the NetViewer Application - To close the Connection to the connected DVR unit:
   - Click on **CONNECT** from the **MAIN MENU** to access the Drop Down Menu.
   - Click on **DISCONNECT** to stop remote viewing of the DVR Unit.

2. Disconnecting from the DVR Unit - If a user presses any buttons on either the **DVR FRONT PANEL BUTTONS** or **DVR REMOTE CONTROL**, the NetViewer application connection to the unit will be terminated. The following message will appear on screen:



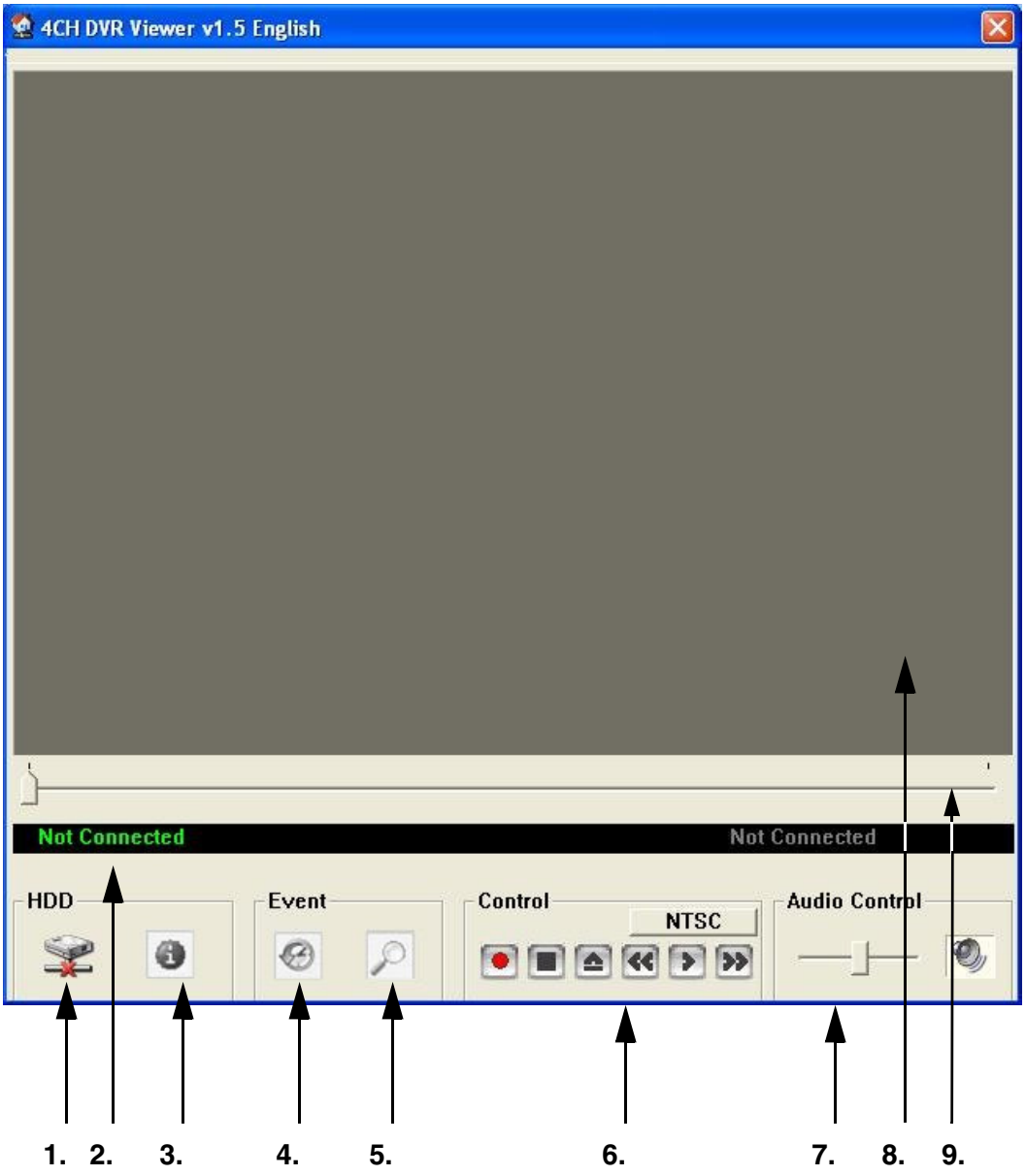
If the connection to the DVR is terminated, a new connection will need to be made using the options on the **CONNECT** menu.

Hard Drive Viewer Software

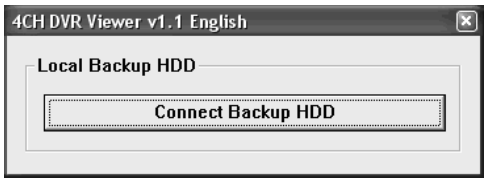
The Hard Drive Viewer Software allows you to view the contents of your DVR Hard Drive when the drive is removed from the DVR and physically connected to a PC.

The Data on the DVR Hard Drive cannot be viewed by a PC without using the Hard Drive Viewer Software.

Menu Functionality



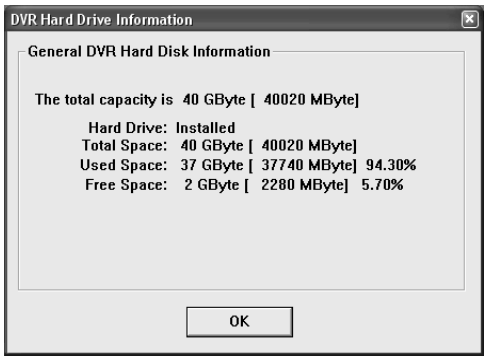
1. **HARD DRIVE CONNECTION** - Once the Hard Drive from the DVR Unit is connected to the PC, click the Hard Drive Connection button. A secondary dialogue box will appear once the drive is found - click on the **CONNECT BACKUP HDD** button to connect.



2. **CONNECTION STATUS INDICATOR** - Indicates the connection status of the Hard Drive as either **CONNECTED** or **NOT CONNECTED**.

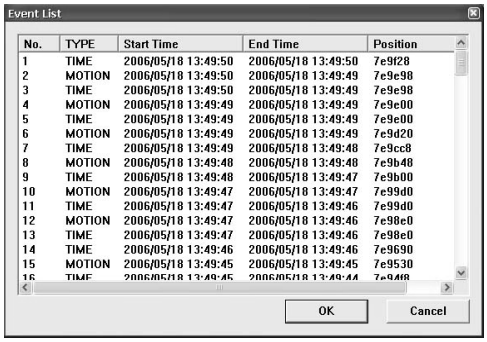
3. **HARD DRIVE INFORMATION** - Displays the information about the currently connected Hard Drive in a dialogue window:

   - Drive Capacity
   - Total Space
   - Used Space
   - Free Space



4. **EVENT TIME SEARCH** - Displays a list of previously recorded events on the Hard Drive.

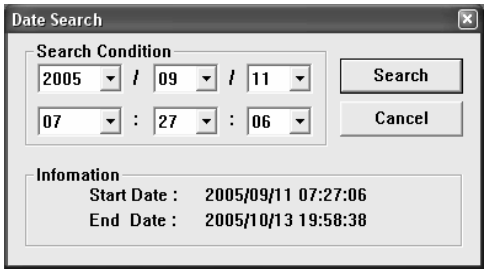
   Click on one of the listed events and click the **OK** button to playback the recorded event.



5. **EVENT SEARCH** - Search through previously recorded events by

   - Year / Month / Day
   - Hour / Minute / Second

Click the **SEARCH** button to retrieve a listing of events.



6. **PLAYBACK CONTROLS** - Control the playback of recorded video


• **REC BUTTON** - Copies the current recording to the PC Hard Drive as an AVI file.


• **STOP** - Stops playback.


• **REWIND** - Rewinds the playback.


• **FAST FORWARD** - Fast Forwards the playback.


• **PLAY** - Playback of the selected event:

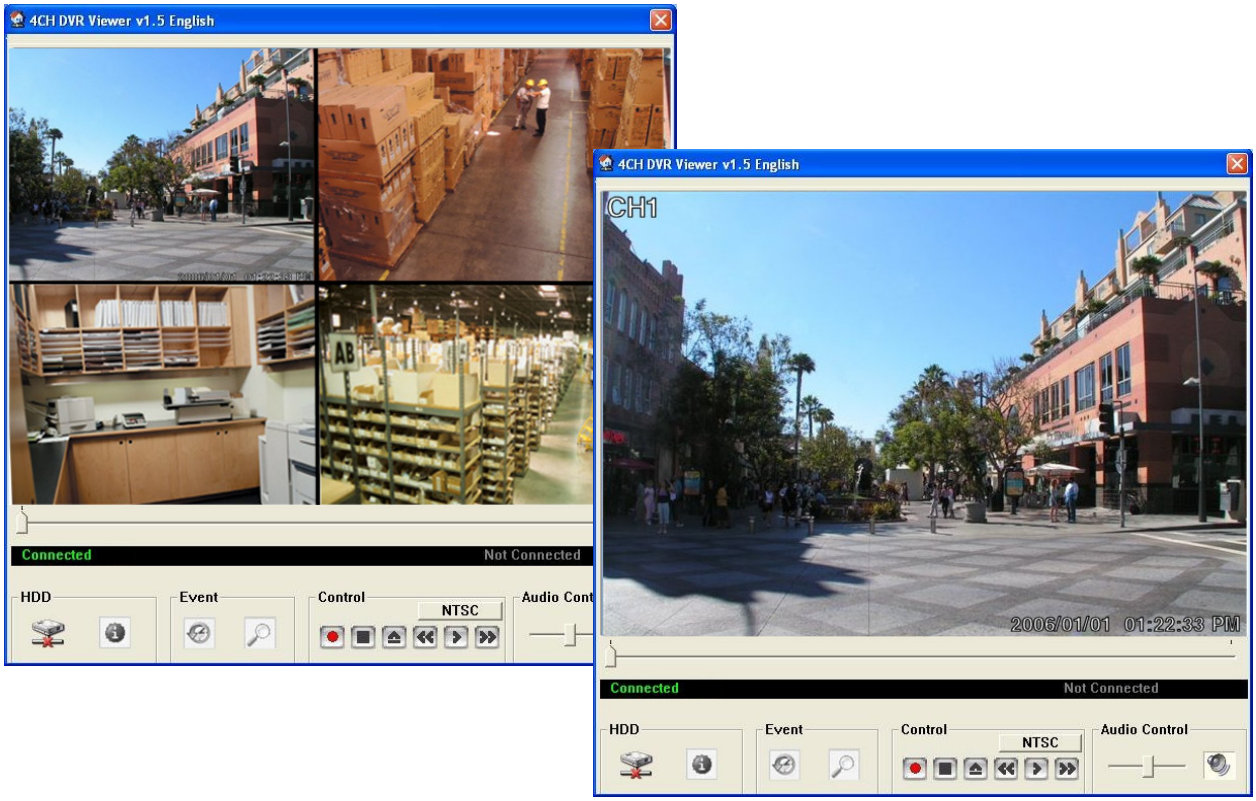
7. **VOLUME CONTROL** - Controls the Volume of the recorded playback.

8. **DISPLAY SCREEN** - Display area for the video playback.

9. **SLIDING PLAYBACK BAR** - Adjust the current playback

ZOOM Channel Control

When playback is occurring in **QUAD** mode, an individual channel can be enlarged to full screen mode. Left Click (with the PC Mouse) on any of the desired Channels to **ZOOM** in - the channel will be displayed on screen in **FULL SCREEN** mode.



It’s all on the web

- Product Information
- Specification Sheets
- User Manuals
- Software Upgrades
- Quick Start Guides
- Firmware Upgrades



VISIT

www.lorexcctv.com