

## Playing Back Video Files

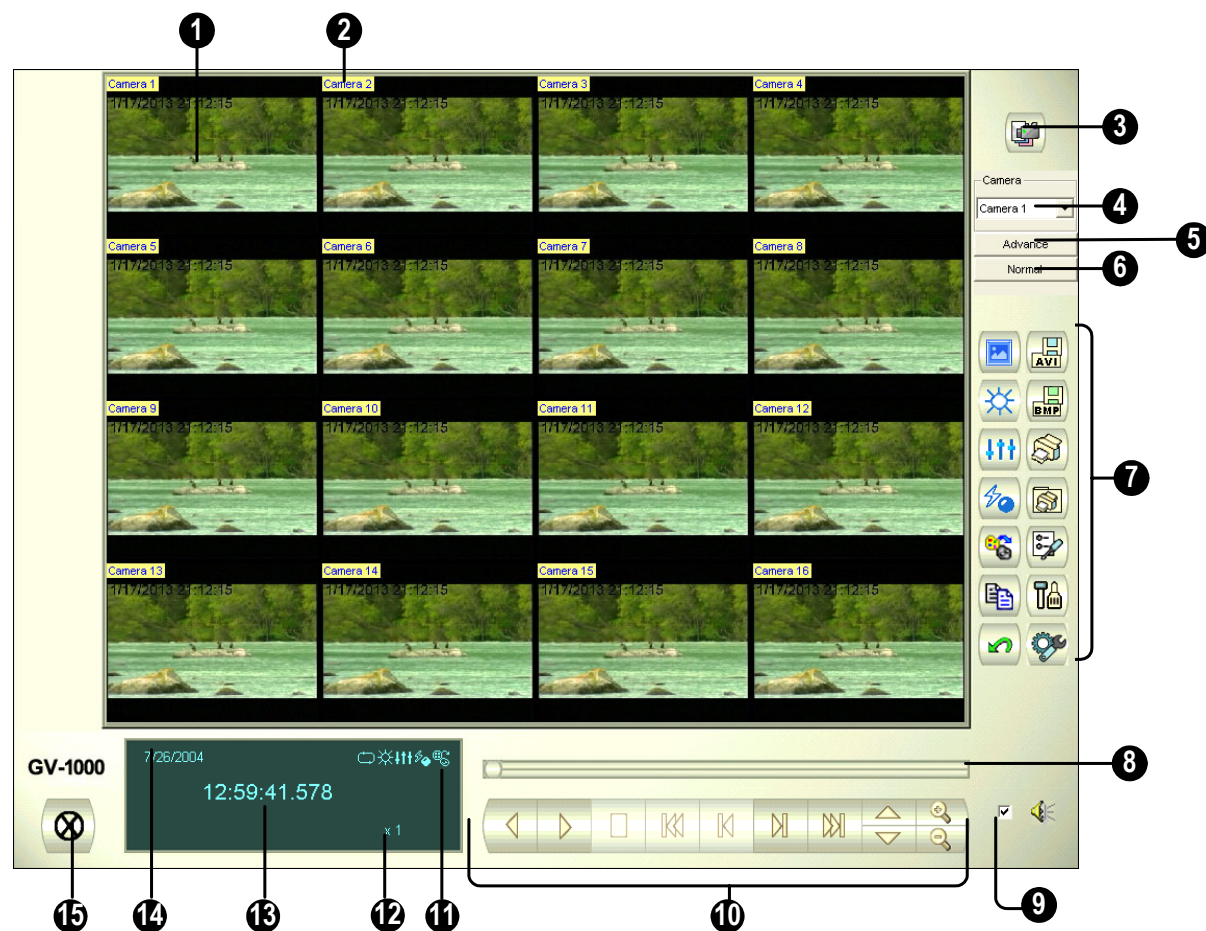
Recorded files can be played back using five different software applications offered by the system – ViewLog, Quick Search, Remote Playback System, Remote Playback System WebCam version, and Q-View. Following is a comparing table for these applications. This is not a complete comparing table, because many of these features are dealt with in details throughout the manual. However, this table may help you to decide which application to use under a given situation.

Application	Description
ViewLog	Play back video files recorded by system. It is the only playback application that plays video with synchronized audio, and to be used only on the servers and computers within the LAN.
Quick Search	A more convenient tool that allows you to search video files recorded on motion, alarm, or POS events.
Remote Playback System	Play back files through network connection. Offers most complete playback features among the five. This application is a management system itself. It can download and play back history video files from several servers via Internet.
Remote Playback System WebCam version	No additional software installation is necessary. Just play back by your web browser. This function is discussed in Chapter 6.
Q-View	Play back files saved at the remote site. It comes with the installation of any GV remote applications (Remote View, IP Multicast, and Center V2) for instant playback. This feature is discussed in Chapter 8.

This chapter discusses ViewLog, Quick Search, and Remote Playback System in details.

### Playing Back on ViewLog

The ViewLog would play back recorded video files without affecting recording. Use Windows taskbar to toggle the main and the playback view screen. Press [F10] and select Video/Audio Log to open the application, shown as follows:



**Figure 4-1** The ViewLog widow

Alternatively, you may click the ViewLog button on main system and then select Video/Audio Log. By default when you open ViewLog, it is displayed with the last event of camera number 1. Without further settings you could already play back the event by pressing the Play button on Playback Control Panel (shown as number 10 in figure 4-1). Click on the camera view switches the current view mode to a multi-channel view. Use buttons on Playback Control Panel to view the event at the way you want. Move the slider in Playback Meter back and forth to navigate video frames.

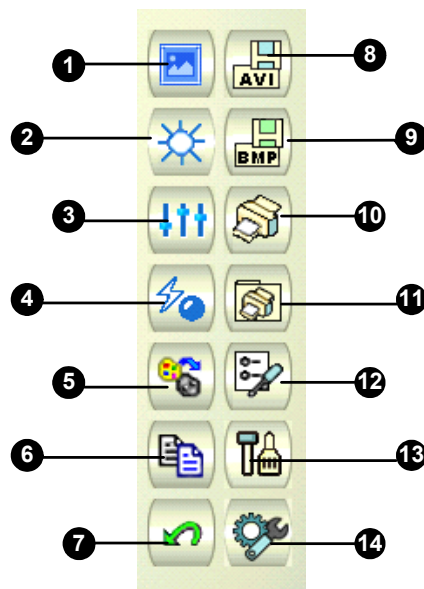
The controls in the ViewLog window:

	Name	Description
1	Camera View	Displays the playback video.
2	Camera Name	Displays the camera ID.
3	View Mode	Select different screen layouts; see the <i>Playback Layout Selection</i> section for details.
4	Camera Select	Selects a desired camera for single, thumbnail, quad, or multi view.
5	Advance Search	Selects the basic or advanced search, both of which are discussed in the <i>Searching an Event</i> section later.
6	Normal Mode	Calls up the file tree and video event list.
7	Function Panel	Provides various settings for ViewLog. Functions of each button will be

		discussed below.
8	Scroll Bar	Scrolls forward or backward of the playback video
9	Audio Playback	Checks the box to allow audio playback
10	Playback Panel	Contains typical playback control buttons
11	Function Icons	A highlighted icon indicates an enabled function. The first icon indicates the auto playing of next events; the second indicates the brightness and contrast functions; the third indicates the light enhancement and equalization functions; the fourth indicates the sharpness and smoothness functions; the fifth indicates the gray scale function.
12	Playback Speed	Indicates the playback speed. x1 represents normal playback speed.
13	Time Display	Indicates the time of the playback video.
14	Date Display	Indicates the date of the playback video.
15	Exit	Exits or minimizes ViewLog.

To select multiple events, hold the Ctrl key on keyboard and select only the required events in Video Events pane. To select a segment of events, select the first event to be displayed, then hold the Shift key on keyboard while selecting the last event. Press Play button would play these events. To select events from different dates, click the date from the Date pane. Events of that date will be listed in the Video Events pane.

ViewLog comes with a selection of options for search and display mode, along with setting parameters for printing the images. These options are found on the interface and are described here:



The controls in the ViewLog Function Panel:

Name	Description
1 Sample	Gives the examples of “Before” and “After” effects of contrast, brightness, light enhancement, equalization, sharpness, smoothness and Gray.

2	Brighten/Contrast	Modifies color contrast and brightness of the video image.
3	Light Enhancement/ Equalization	Modifies light enhancement and equalization of the video image. To remove the applied effect, click the Undo button.
4	Sharpen/Smooth	Modifies smoothness and sharpness of the video image. To remove the applied effect, click the Undo button.
5	Gray Scale	Switches between the color and black/white image.
6	Copy	Copies the video image.
7	Undo	Undoes the applied effects on the video image.
8	Save AVI File	Saves a video as an avi file; see the <i>Exporting Video to Play Back at Third Party Viewers</i> section later.
9	Save As Image	Exports image files in bmp, jpeg, gif , dcx, pcx, png, or tif format.
10	Print	Prints out the image.
11	Print Setup	Sets the parameters for the printer.
12	Page Setup	Adjusts the page layout.
13	Setting	Sets up advanced functions for ViewLog; see the <i>Advanced Setup</i> section later.
14	Tools	The options included inside are: Object Search, Advanced Log Browser, Backup Log and Fast Key, all of which are explained later in this chapter.

## Playback Screen Layout

Click the View Mode button to select the following screen layouts:

- **Single View:** Display one playback channel only.
- **Thumbnail View:** Review images frame by frame in thumbnails. Only one camera at a time can be selected for this function.
- **Quad View:** Play back in a quad layout.
- **Multi View:** Play back all available cameras.

Click the View Mode button any time when you want to change the current view mode. The option of Thumbnail View is disabled while a video file is playing back. Wait until the video ends or click the Pause button to make the option available.

In a thumbnail view, a video file is divided into a set of frames. The frames are displayed in 25 playback windows, shown as follows.



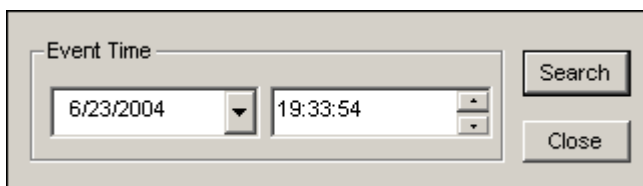
The key frame is in the center, with 12 video frames occurred before and after the key frame event. This helps to locate required frames you may otherwise miss by other viewing methods.

## Searching a Video Event

ViewLog offers two search methods: the Basic and the Advanced, allowing you to locate a video event within a certain date, time or camera.

### Basic Search

1. Click the Advance button and select Basic Search to display the following dialog box. Alternatively, press CTRL + F8 to call it up.



2. Specify a desired date and time.
3. Click the Search button for the search. If the specified time can't be found, a prompt will appear for you to select a next or previously video event available.

### Advanced Search

1. Click the Advance button and select Advanced Search to call up the following dialog box. Alternatively, press F8 to call it up.

Time Period

Start Time : 9/2/2004 17:20:40

End Time : 7/ 9/2004 17:20:40

Select Camera(s)

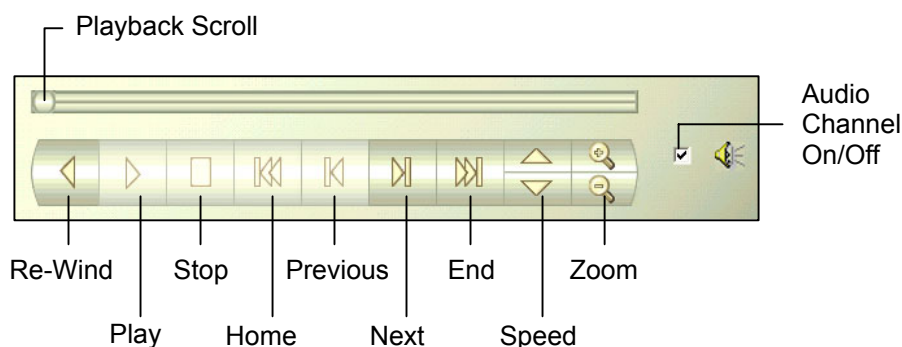
<input checked="" type="checkbox"/> 1	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 9	<input checked="" type="checkbox"/> 13	<input type="checkbox"/> 17	<input type="checkbox"/> 21	<input type="checkbox"/> 25	<input type="checkbox"/> 29
<input checked="" type="checkbox"/> 2	<input checked="" type="checkbox"/> 6	<input checked="" type="checkbox"/> 10	<input checked="" type="checkbox"/> 14	<input type="checkbox"/> 18	<input type="checkbox"/> 22	<input type="checkbox"/> 26	<input type="checkbox"/> 30
<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 7	<input checked="" type="checkbox"/> 11	<input checked="" type="checkbox"/> 15	<input type="checkbox"/> 19	<input type="checkbox"/> 23	<input type="checkbox"/> 27	<input type="checkbox"/> 31
<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 8	<input checked="" type="checkbox"/> 12	<input checked="" type="checkbox"/> 16	<input type="checkbox"/> 20	<input type="checkbox"/> 24	<input type="checkbox"/> 28	<input type="checkbox"/> 32

Select All Clear All OK Cancel

- Specify the desired date, time period, and cameras for search.
- Click OK to start searching.
- In the Video Event list, the events matching the search criteria will be highlighted in gray color. Clicking the Play button would play back the highlighted events.

## Playback Control Buttons

Video files may be played back with or without audio. To play back with audio, click the Audio Channel On/Off check box, as shown below. (This feature is only available with selected models; please check for compatible models and availability in your region.)



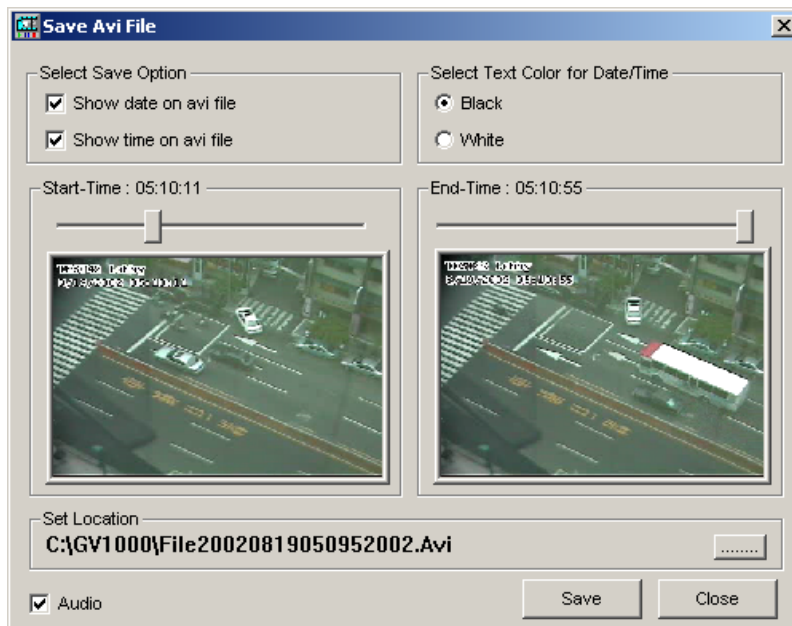
## Adjusting Video Characteristics

The ViewLog Function Panel allows you to adjust the video characteristics of the selected video file.

## Exporting Video to Play Back at Third Party Viewers

You can export a certain time period within a video event and play it back at the place where ViewLog is not available. The max length of the exported file is 1 hour.

- Locate a desired file from the folder tree and video event list.
- Click the Save AVI File button to display the following window. Alternatively, press [S] key on the keyboard to call it up.



3. Select whether to show the date or time in the exported file and which text colors you prefer.
4. Drag the timelines to define a starting and ending time of the file.
5. Click the button [.....] in the Save Folder section to assign a saving path.
6. Click the check box of Audio to export audio contents.
7. Click Save to save and export the file in an AVI format.

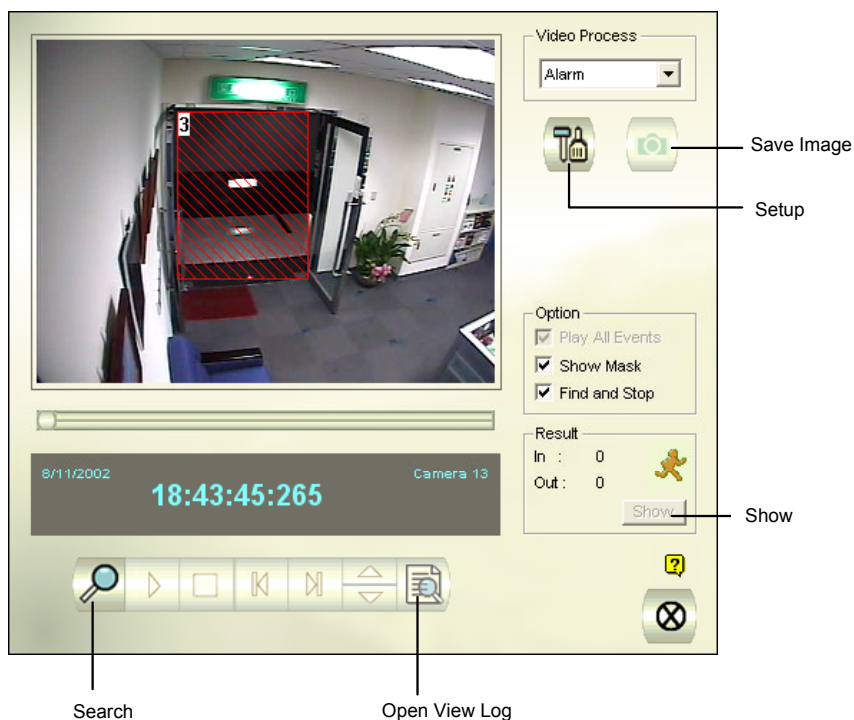
**Note:** You can view an exported file at any PC with GeoMpeg4 codec. To download the codec, use the link: <http://geo-support.dipmap.com:100/install/GeoCodec.zip>. After unzipping, double click GeoCodec.exe for the installation.

## Object Search

This feature allows you to perform two functions: 1. Detect motion, missing objects or unattended objects within a certain region of a recorded file. 2. Perform the counting function within certain regions in a recorded file. The following gives an example of motion detection. For the applications of missing objects, unattended objects and counting, refer to *Configuring Object Counting* and *Detecting Unattended and Missing Objects* in Chapter 2.

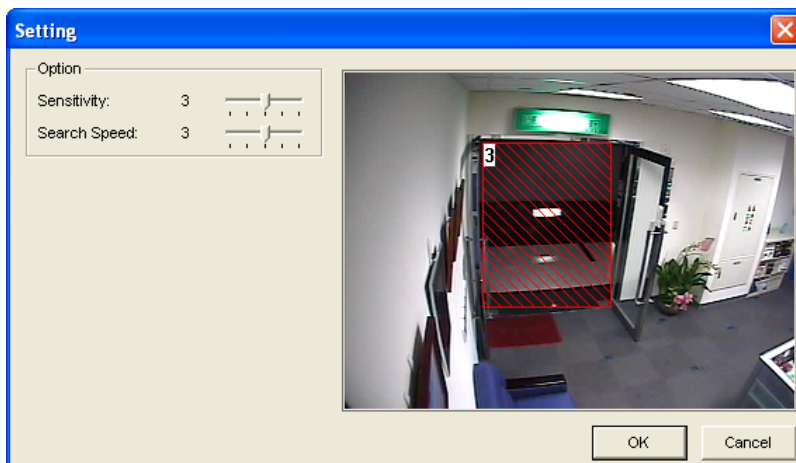
1. Select a desired video file from the Video Event list for the search. Or select the multiple files by clicking on each file while keep pressing the CTRL button.
2. Click the Tools button in the function panel, and then select Object Search to display the following window.





**Figure 4-2** Object Search

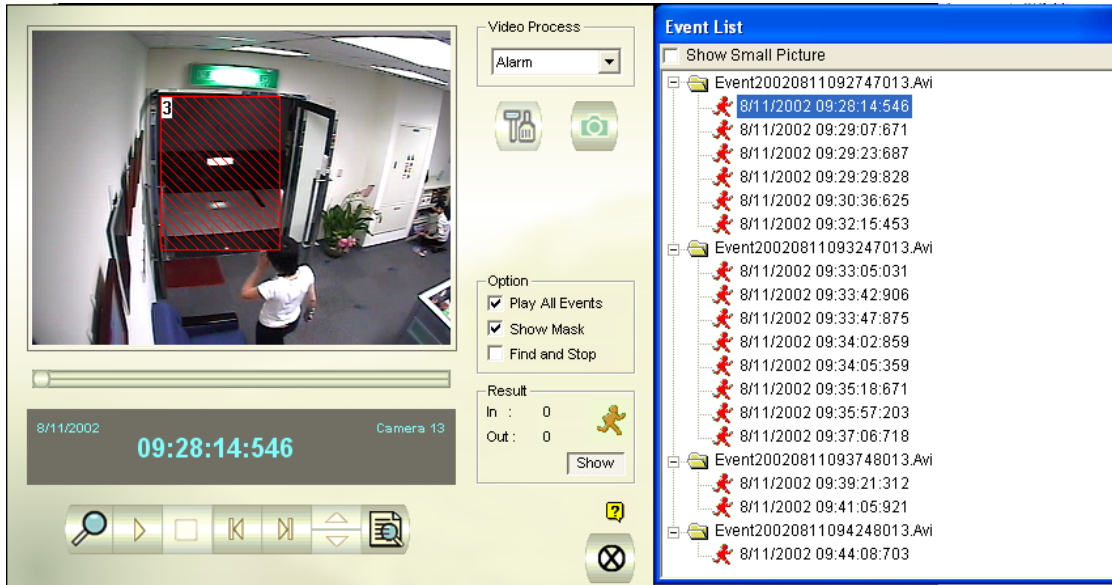
3. In the Video Process drop-down list, select Alarm.
4. Click the Setup button for further settings. The following window will appear.



5. Use the mouse to outline a region for motion detection. You will be prompted to enter Detect Object Region.
6. Keep detection Sensitivity and Search Speed as defaults or adjust them if needed.
7. Click OK to finish the settings and close the window.
8. In the Option section, you have several options:
  - **Play All Events:** Play back the video segments found as a continuous series of images.
  - **Show Mask:** Show masks on the detection regions.



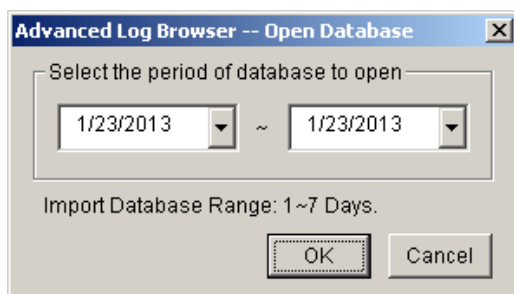
- **Find and Stop** (recommended): Pause the search process when a missing object is detected.
9. In the control panel, click the Search button for the search.
  10. When any video segment matches the search criteria of motion detection, the Show button will be available. Click Show to display the Event List window.



11. Expand the event folders to see the video segments inside. Checking the Show Small Picture item will display these video segments in image frames.
12. Select one video segment, and then click the Play button in the Object Search window to play it back. Or, click the Open ViewLog button to play it with ViewLog.

## Searching and Playing Back Motion, Alarm, and POS Event

Click the Tools button, select Advanced Log Browser from the menu and the following dialog box will appear. Specify a time range, click the OK button, and all events within the specified range will be displayed in the Advanced Log Browser window (figure 4-3).



In the Advanced Log Browser Window, double click on the Monitor Log list or the POS Log list will allow you to view related video in Quick Search Screen as shown in figure 4-4.

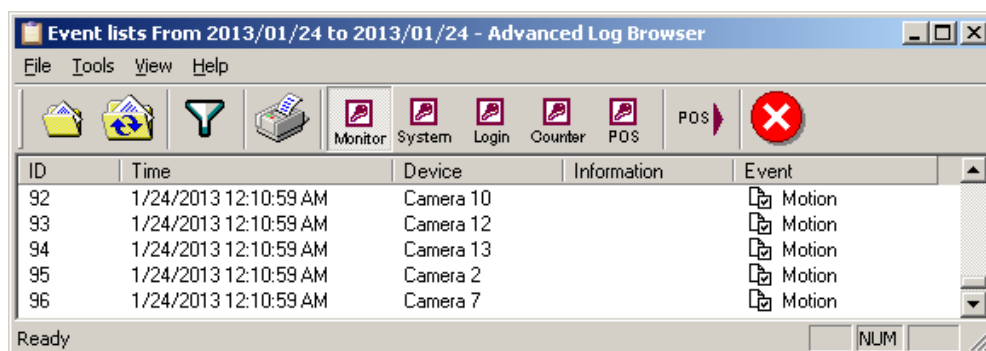


Figure 4-3 Advanced Log Browser

Quick Search is a very useful tool for searching and playback video files that was based on motion detection, alarm, or POS events. The following picture and table gives you an overview on Quick Search's feature and functional buttons.

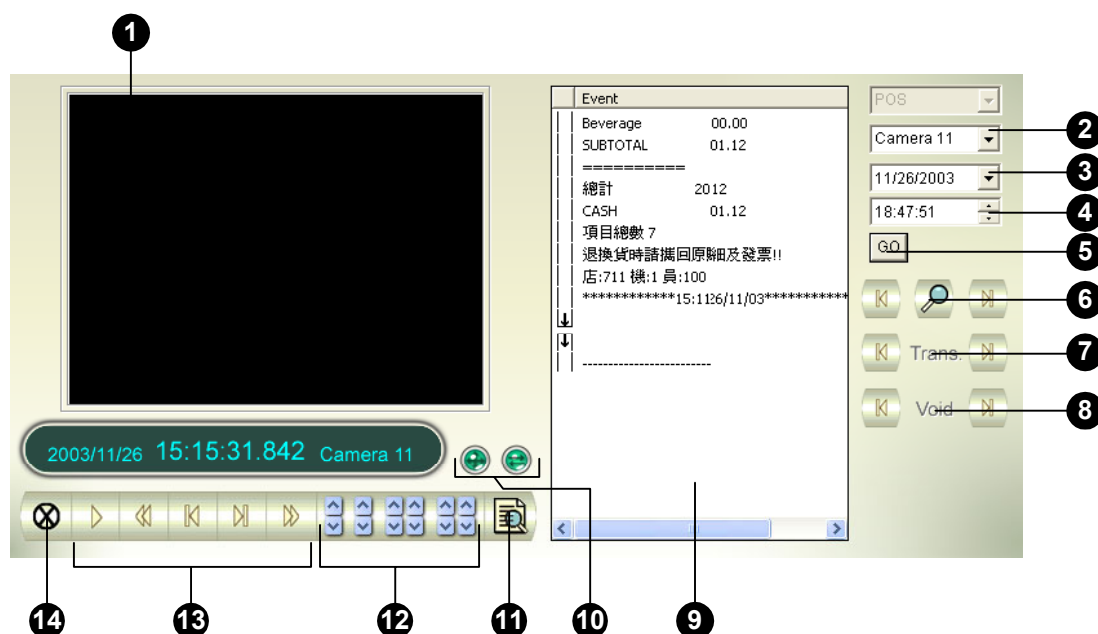


Figure 4-4 Quick Search Screen

No.	Name	Description
1	Monitoring Window	Displays video associated to the event
2	Camera Select	Use the drop-down list to select camera
3	Day Select	Use the drop-down list to select date
4	Time Select	Use the drop-down list to select time
5	Go Button	Click to search files that matches to the parameters set above.
6	Event Query	Click to specify event query
7	Transaction	Use the arrow buttons to select previous or next transaction event.
8	Void	Use the arrow buttons to select previous or next void event.
9	Transaction Window	Displays POS transaction
10	Mode Switch	Click these buttons to enable or disable Transaction Window and to

		switch between 640x480 or 320x240 display.
11	ViewLog	Click to open ViewLog application.
12	Time Period	Use these buttons to search event within the specified time.
13	Playback Panel	Includes Play, Pause, Previous 10 frames, Home, Next 10 frames, End buttons.
14	Exit	Click to close Quick Search screen

Click the Event Query button on the Quick Search panel, and the following dialog box will appear. Use this function to find POS events by specific item, transaction, or date.

**[Find Text]** Enable this option to find video events that matches to the key word.

**[POS Event]** Enable this option to find video events that matches to the specified transaction type.

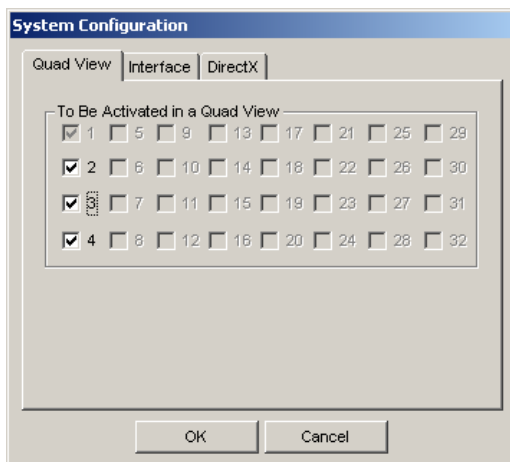
**[Start Time]** Enable this function and use the drop-down list to specify date and time

**[Rule]** Specify to search forward or backward from the specified date set above.

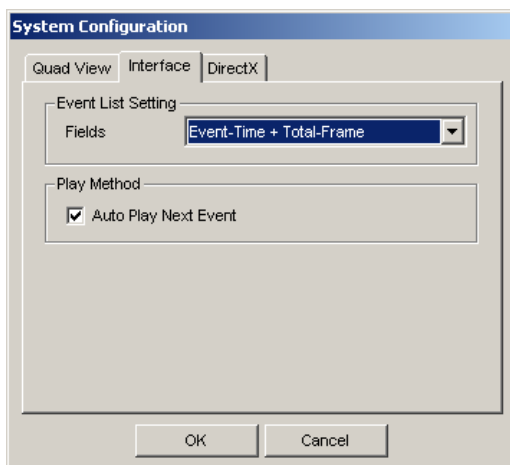
## Advanced Setup

The Setting button, found on ViewLog Function Panel, allows you to configure Quad View, Interface and DirectX. Click this button to open the System Configure dialog box.

**[Quad View]** Select four desired cameras to display in the Quad View mode.

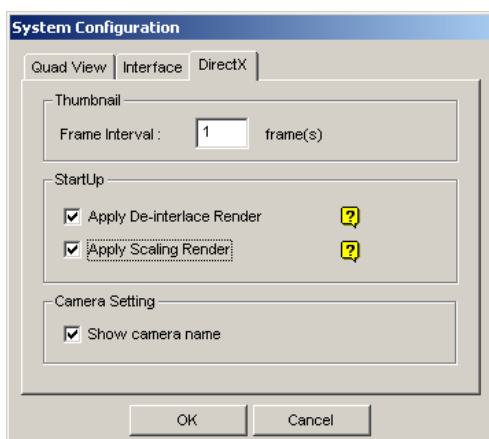


**[Interface]** Click the Interface tab on the System Configure window to display the following.



- **Event List Setting:** Click the drop-down list to select the display layout of Video Event List. You can select to display Event Time only, Event Time together with Total Frame, Event Time together with Total Time, or Event Time together with File Size.
- **Auto Play Next Event:** The next video files can be put in sequence for auto playing.

**[DirectX]** Click the DirectX tab on the System Configure window to display the following.



**[Thumbnail]** Specify the number of frames between each video thumbnail.

**[Startup]**

- **Apply De-interlace Render:** Check the item, and then restart ViewLog to apply de-interlace.

**Note:** De-interlace takes effect only in the single view mode with the resolution of 640x480. This function requires DirectX 9 and VGA card with the de-interlace support.

- **Apply Scaling Render:** Select it to smooth out mosaic squares when enlarging a playback video. Restart ViewLog to apply the function for the first time.

**Note:** The scaling function can only be applied to the single view. This function requires DirectX 9 and VGA card with the video scaling support.

**[Camera Setting]** Show camera number or ID on the screen.

## Recycling Option for Video Files

You can choose whether to recycle your video files. To apply this function, follow the steps below.

1. Select a desired video event from Video Event List, and then right click it to call up a menu as shown below.



2. Select the option of Mark Never Recycle. A never-recycling flag will appear next to the video event.
3. To disable the never-recycling function, right click the video event again and select Unmark Never Recycle.

## Unmarking All Never-Recycling Flags

The above step 3 illustrates how to unmark never-recycling flag one by one. When you like to unmark all the never-recycling flags in certain cameras, follow the steps below.

1. Shut down ViewLog System and Main System if they are running.
2. Go to the Windows Start menu, select Programs, point to the GV folder, and then click Repair

Database Utility. A valid ID and password are required.

3. When the Select Camera for Repair Database dialog box appears, select the cameras of video files that you want to unmark their never-recycling flags
4. Click OK to open the Repair Database window. See figure 5-3, on page 112.
5. Click the Use Default Path button to unmark all the never-recycling flags.

## Reserving Never-Recycling Flags

If you like to reserve all the never-recycling flags you marked on video events even after repairing the database, click the check box of Reserve Never-recycle Flag on the Repair Database window before making repairs. See figure 5-3, on page 112.

## Playing Back across Local Area Network (LAN)

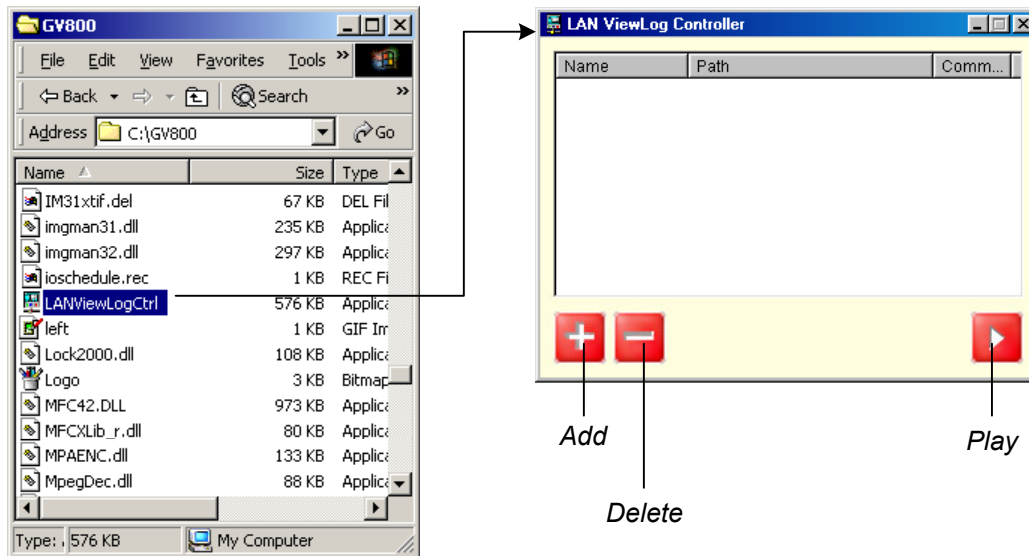
It is possible to playback video files across the network (LAN) using LAN ViewLog. This application provides fast access to file location and allows playback using ViewLog in any local PC. Same task would be accomplished by using Windows My Network Places but in a much more complicated process.

Before you start, make sure both your system folder (GV800 folder, for example) AND to-be-view video files are made available to network users, done through proper setups in Windows Sharing And Security. After the folder and files made available, follow these steps to download LAN ViewLog to local PC:

1. At any local PC, go to Windows My Network Places. Find server PC where the system is located, and then find LANViewLogCtrl from system folder, see follows (assuming that the system is running GV-800 on drive C:)
2. Copy this application (Copy, Paste) to your local PC. The application is now loaded to local PC.

To choose video files to view:

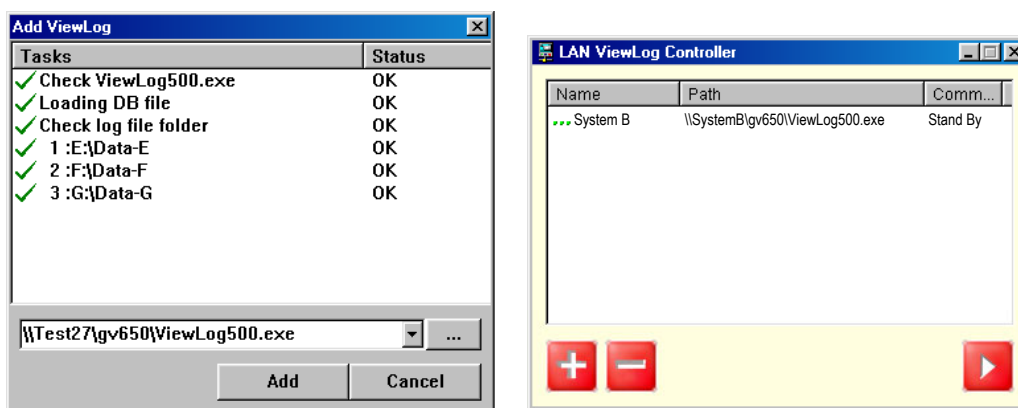
1. Open LAN ViewLogCtrl in local PC to bring up the LAN ViewLog Controller, as shown:



2. Click the Add button to bring up the Add a Viewlog in LAN dialog box:



3. Click the Browse button and select ViewLog500.exe in system folder.
4. Click the Detect button to load recorded video files from server PC. If you see a red cross sign instead of green checks (shown here), go back to your Windows Sharing And Security in server PC and check if you've made these folders share for intended PCs.



5. A path to server is now established. Click the path to open ViewLog that is loaded with video files. More paths may be added for fast access through the application.



## Displaying the Fast Key Window

This option lets you view the fast key window of ViewLog, giving you an instant reference. Click the Tools button in the main screen, and then select Fast Key to display the window.

### Fast Key Reference

Esc	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	Print	Scroll	Pause							
~	1	2	3	4	5	6	7	8	9	0	-	=	← Back	Insert	Home	Page Up	Num	/	*	-		
Tab	Q	W	E	R	T	Y	U	I	O	P	[	]		Delete	End	Page Down	7	8	9	+		
Caps	A	S	D	F	G	H	J	K	L	;	"	Enter					4	5	6			
Shift	Z	X	C	V	B	N	M	<	>	?	Shift	\					1	2	3		Enter	
Ctrl		Alt	Space Bar								Alt		Ctrl									
													←	↓	→							

### ViewLog

Key	Function
Esc	Exit
Enter	Play/Pause
Back	Rewind/Pause
Space	Stop
Num 1-9, 0 and F1~F6	Switch the camera channel
Num 1-9, 0 and F1~F6	Switch the audio channel
Ctrl+F8	Display/Hide the Basic Search dialog
F7	Switch between single and multi view
F8	Display/Hide the Advance Search
F9	Display/Hide the Event List window
Alt+"M"	Turn the sound on/off
Alt+"N"	Go to the next event
Alt+"P"	Go to the previous event
B, b	Display/Hide the Backup Log dialog
F, f	Display/Hide the Fast Key Reference
P, p	Print the image
Q, q	Switch the screen division
S, s	Display/Hide the Save AVI File dialog
Page up	Move one frame back
Page Down	Move one frame forward
Home	Go to the first frame
End	Go to the last frame
+	Zoom in
-	Zoom out
*	Increase playback speed
/	Decrease playback speed
Delete	Delete events

## Playing Back over Internet

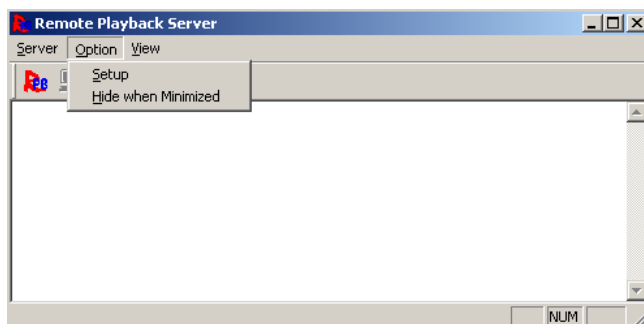
Remote Playback Client (RPB Client) allows client PCs to download history video files from server PCs through Remote Playback Server (RPB Server). Before getting started, make sure the following requirements are met:

OS	Windows 2000, XP, Server 2003
CPU	Pentium 500 (minimum)
Memory	128MB RAM
Hard Disk	20GB (minimum)
VGA	NVIDIA GeForce II 32MB, 800x600 screen resolution (minimum)
Network	TCP/IP

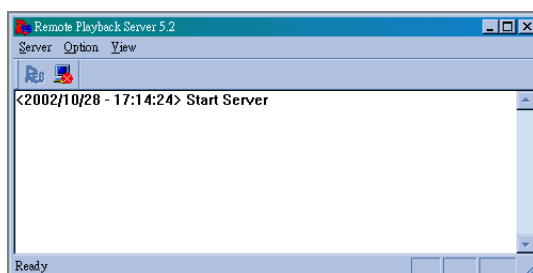
## Working with Remote Playback Server at the Server PC

To establish a connection, first activate RPB Server at one server PC. RPB Server comes with the installation of Main System. Follow these steps to activate it.

1. Go to Windows Start, select Programs, point to the GV folder, and then select Remote Playback Server.



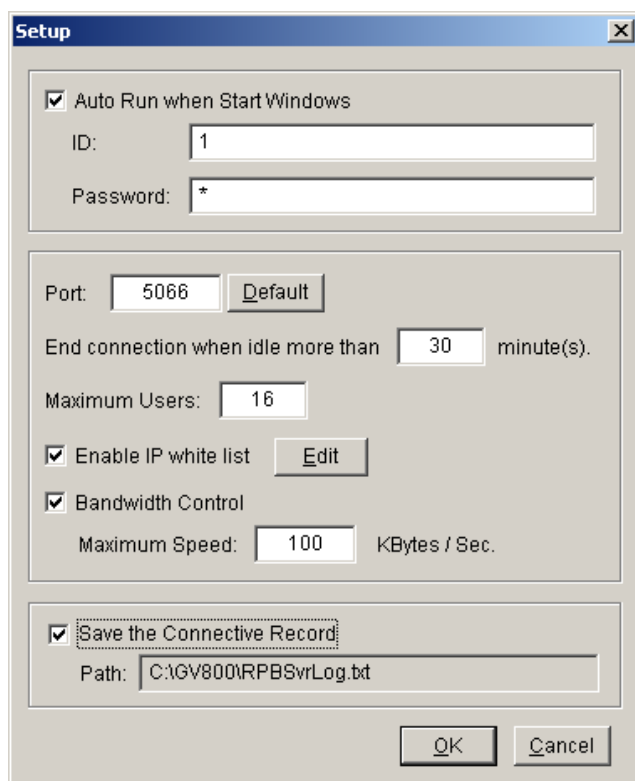
2. Click the RPB Connect button from the toolbar to display the following window. A valid ID and Password is required here. To set up an ID and a password, see *Setting Up Password* on page 40.



To stop a connection, click the End Connection button. A valid ID and Password is required.

### Configuring RPB Server

To configure the RPB Server, select Option from the menu bar, and then select Setup to display the following dialog box.



The screenshot shows the 'Setup' dialog box for the RPB Server. It has a title bar with 'Setup' and a close button. The dialog is divided into several sections. The first section has a checked checkbox 'Auto Run when Start Windows', followed by 'ID:' with a text box containing '1' and 'Password:' with a text box containing '\*'. The second section has 'Port:' with a text box containing '5066' and a 'Default' button, 'End connection when idle more than' with a text box containing '30' and 'minute(s).', 'Maximum Users:' with a text box containing '16', a checked checkbox 'Enable IP white list' with an 'Edit' button, a checked checkbox 'Bandwidth Control', and 'Maximum Speed:' with a text box containing '100' and 'KBytes / Sec.'. The third section has a checked checkbox 'Save the Connective Record' and 'Path:' with a text box containing 'C:\GV800\RPBSvrLog.txt'. At the bottom are 'OK' and 'Cancel' buttons.

**[Auto Run when Windows starts]** Check the item to automatically start RPB Server at Windows startup. Provide an ID and a password that are allowed to use the system.

**[Port]** Use the default value or assign a port to use.

**[End connection when idle more than x minute(s)]** The connection will stop after the assigned idle minutes.

**[Maximum Users]** One RPB Server allows the maximum of 16 connections. You can determine the maximum number of client PCs allowed to log in your RPB Server.

**[Enable IP White List]** Checking the item, you will be prompted to create a list of IP addresses only which are allowed to connect to the Remote Playback server. For the setting details, refer to *IP White List Setup* in Chapter 6, on page 115.

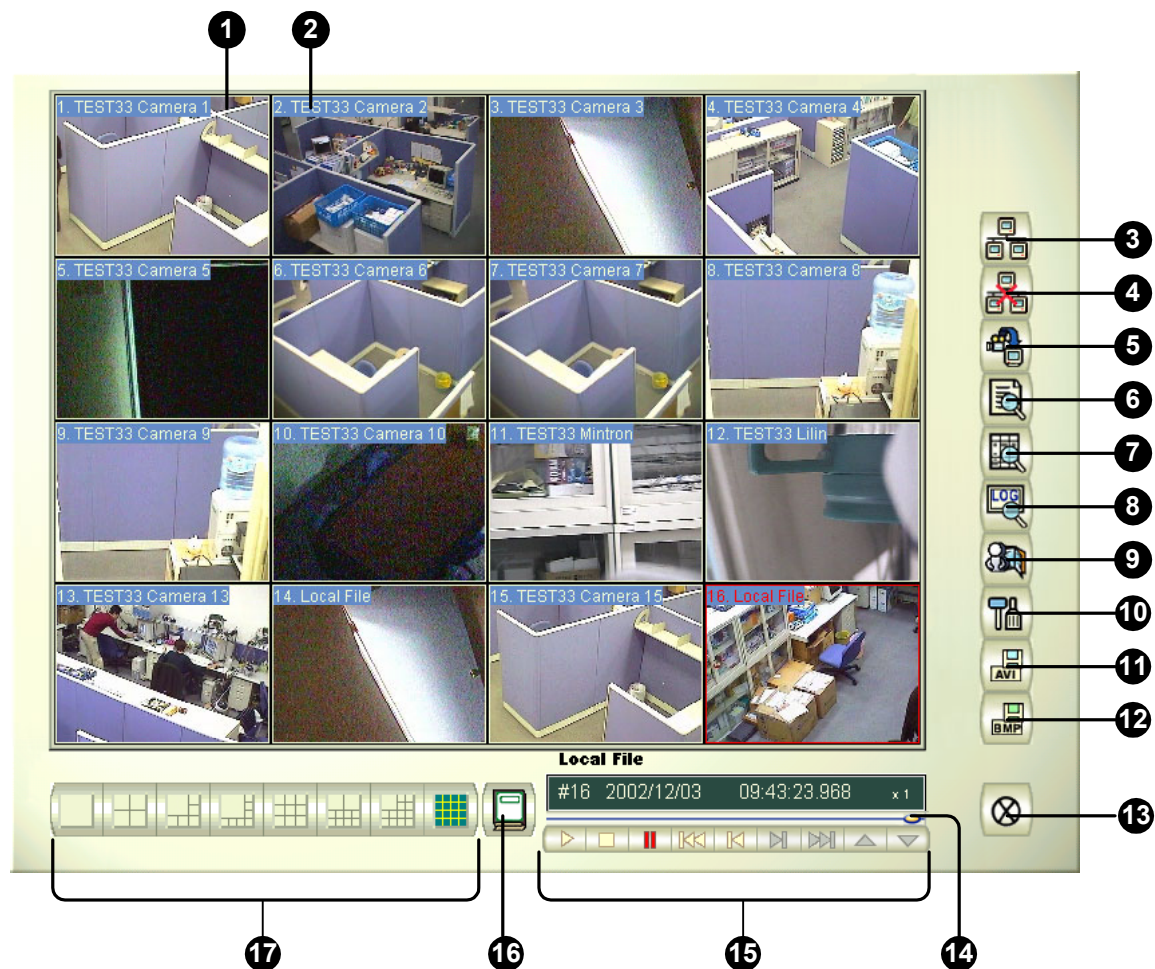
**[Bandwidth Control]** Check the item to prevent overloading on slow network. You can set the bandwidth from 0 to 100,000 Kbytes to transfer in one second.

**[Save the Connective Record]** Select the option to create a log that keeps the login and logout status of the system. Type a storage path in the Path field.

**Note:** Select Option from the RPB Server menu bar, and then select Hide When Minimize. This will minimize RPB Server in the Windows task bar.

## Working with Remote Playback Client at the Client PC

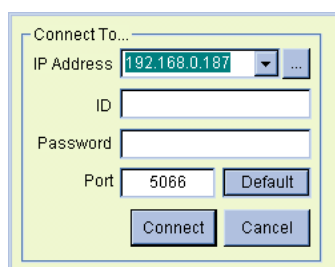
RPB Client software is to be installed at the client PC, and the software is included in the installation CD. For software installation details, see *Software Installation* on page 10. Select Remote Playback Client site when running into the Choose Setup Program dialog box. Camera views from different servers may be displayed in a single 16-channel screen view. Clicking the Page Select button turns the screen view to next page. Maximum two pages (total 32 channels) may be displayed in one RPB Client.



NO.	Name	Description
1	Monitoring Window	Displays playback video
2	Camera Name	The name that is given to the camera.
3	Connection	Sets connection to RPB Server
4	Disconnect	Disconnects all or selected connections from RPB Server
5	Search	Searches for video files to load
6	Play Local Video	Plays back video file at client PC through RPB Client
7	List View	Keeps record of connection activity
8	Connection Record	Keeps track of the connections
9	Address Book	Create quick connection to RPB Server
10	Preference Setting	Use for customizing RPB Client
11	Save As AVI	Same function as in ViewLog, refer to <i>Saving Files to Play Back at Third Party Viewers</i> on page 56.
12	Save As Snapshot	Saves the current frame
13	Exit	Click this button to close the RPB software
14	Scroll Bar	Use it to move forward and backward of the playback video
15	Playback Panel	Contains typical playback buttons
16	Page Select	Use it to select between channels 1~16 and 17~32.
17	Screen Division	Selects for screen division mode.

## Connecting to RPB Server

Click the Connection button on RPB Function Panel to bring up the Connect to dialog box shown here:



Enter appropriate information to the fields. You may enter actual IP or simply the domain name for IP Address. Alternatively, you may click the drop-down selection field to find most recently visited servers, or click Browse button to select a RPB Server from folder.

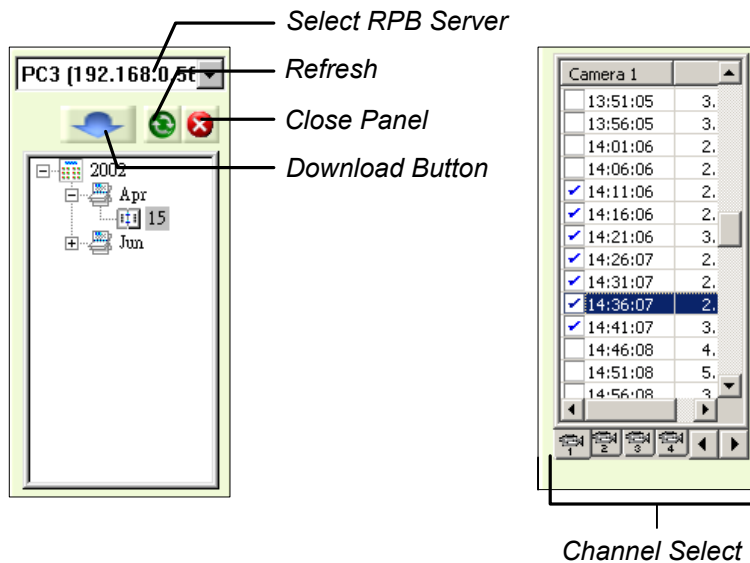
## Disconnecting from RPB Server

Click the Disconnect button and select to close all connection by choosing All Connections, or close only the selected connections by choosing Select Disconnection. The operation should be self-explanatory.

## Searching for Files to Load

There are two options to search video files from server PC, each is:

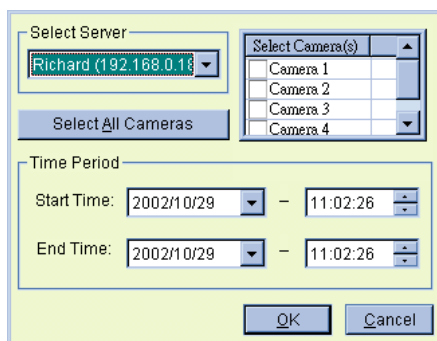
**[Normal Search]** Select the Normal Search to bring up Search & Download panel shown as:



Follow the steps to search desired files:

1. Select the desired RPB Server from the drop-down selection field.
2. Choose the required date from tree folder.
3. Select the required camera from the Channel Select tab and select the video files from Event List Window.
4. Click Download button to download by the four available options:
  - **Download & Play:** Playing the selected files while downloading into RPB Client.
  - **Just Download:** Downloading files only.
  - **Just Play:** Playing files without loading them into RPB Server.
  - **Download & Play (Period):** Downloading files by frames. Select only one file at a time to apply this function.

**[Advance Search]** The files can be searched by time and date, and by camera. Follow these steps to select cameras to load at specified times:



1. Select the desired RPB Server from the drop-down selection field.
2. Select the required camera from Select Camera(s) window, or click Select All Cameras button to select all cameras.

3. Specify the search range: In Time Period, specify the date and time period wish to search for events. Click OK to start the search.

**Note:** A warning message may appear if the downloaded file size is greater than the designated storage space.

## Play Local Video

After loading the video files from server PC to client PC, click Play Local Video button to play back the files at client PC through RPB Client.

## View List

The list keeps record of connection activity, and it is available in four listing options:

**[Channel List]** Lists all RPB Servers and their respective cameras. Use the Up and Down button to move the camera sequence displayed in full-screen view. Close button ends connection of selected camera. Exit button close the list while all connection remain.

**[Connection List]** Indicates number of files currently engaged to the connecting activity. Numbers shown in the Total Works field decrease as the connection completes. Click the Work List to show types of connecting activity engaged, listed in the Type field. Click the Back button to go back to Connection List. Click the Close button to end the connection; Exit button to leave the list.

**[Download List]** Displays a list of files that is currently being downloading to the RPB client. The Ratio field shows you each file's download progress and the Save Path field shows you the location where files downloads to.

**[Download History]** Displays a history list of downloaded files in RPB client. Double click the list will playback related files in RPB monitoring window.

## Connection Record

Connection Record keeps track of the connections, which makes your next connection more easily.

**[Save Connective Status]** Saves current connections to a path. When open the RPB Client the next time, click the Connection Record and then select the Load Connective Status (see descriptions below) to look for this path for fast access to current connections.

**[Load Connective Status]** Loads connection status that was previously saved into a file by Save Connective Status, described as above, into RPB Client.

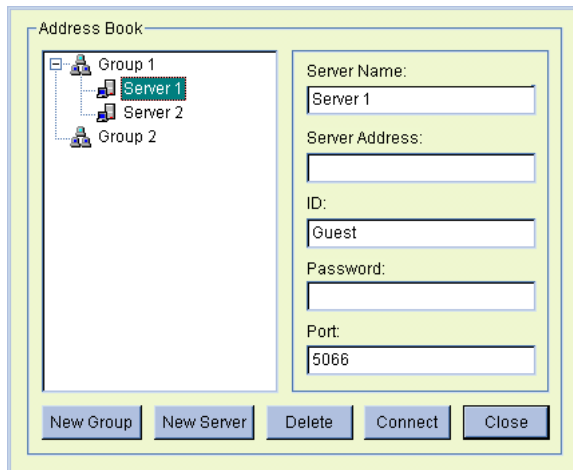
**[Load Resume File]** If the connections were ended the Disconnect button, select this option to continue the downloading process.



## Address Book

The Address Book not only keeps connection information about the RPB Server, but also allows quick connection and auto login to the RPB Server. Follow these steps to create an entry to Address Book:

Click the Address Book button to bring up the dialog box, shown as:



Click New Server button and provide information to the fields:

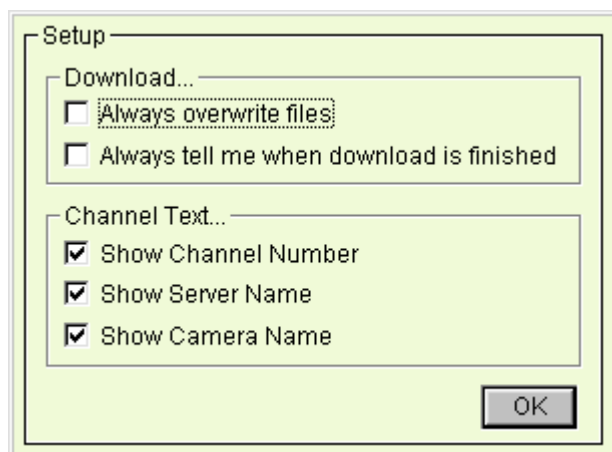
- **Server Name:** To name your server.
- **Server Address:** Enter IP Address or a domain name.
- **ID:** Enter an ID that was already created in the selected RPB Server.
- **Password:** Enter the password associated with the ID.
- **Port:** Use the default port 5066, unless otherwise necessary.

You may create a group (click New Group button) before adding any user. Click on any group and then click the New Server button to add user to that group.

Click Close button to finish the setup; Delete removes the entry from Address Book; Connect connects the RPB Client to the RPB Server instantly.

## Preference Settings

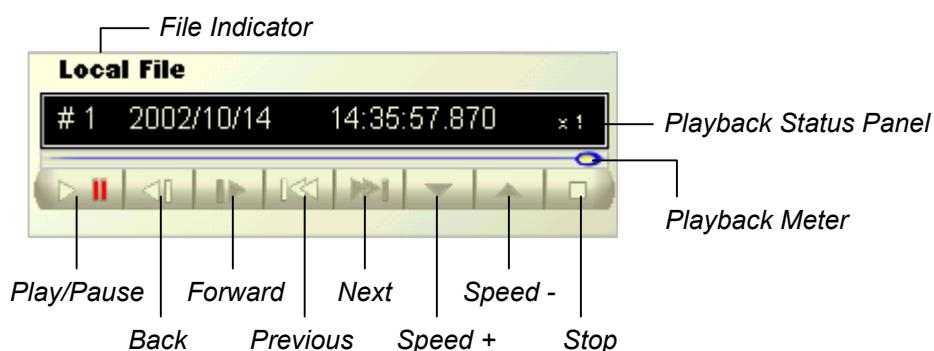
Two settings available here:



**[Download]** The options on this function allow you to specify how your files are saved when your storage space is full. The two options should be self-explanatory.

**[Channel Text]** The selections on this function determine the effect you want your camera view to display.

## RPB Client Playback Control Buttons



The buttons, from left to right, represent: Play, Stop, Pause, First Frame, Previous Frame, Next Frame, and Last Frame. The two arrow buttons are used to increase or decrease the playback speed. Move the slider in Playback Meter back and forth to navigate video frames.