E-Map Server

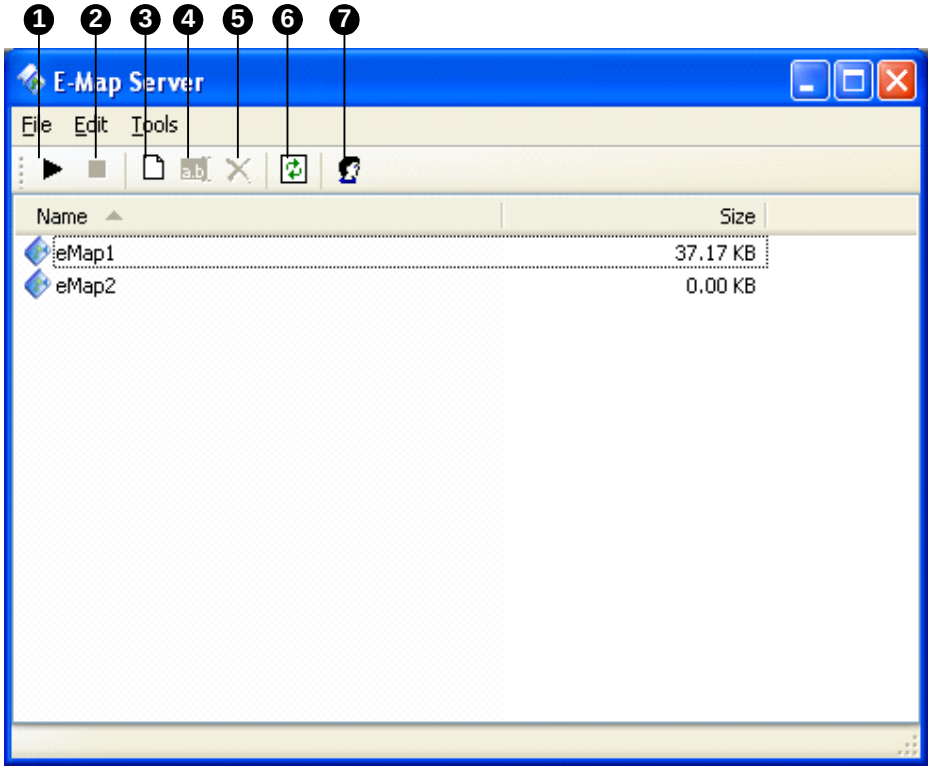
With the E-Map Server, you can create electronic maps for the cameras and I/O devices connected to the GV-Video Server. Through web browser, you can monitor the surveillance sites on the created E-Maps anywhere.

Installing E-Map Server

1. Insert the Software CD to your computer.
2. Locate and select the **EMapServer** folder.
3. Click the desired language folder, and double-click **SETUP** to install the program.

The E-Map Server Window

Go to Windows **Start**, point to **Programs**, select **eMapServer**, and then click **E-Map Server**. This window appears.



The controls on the E-Map Server window:

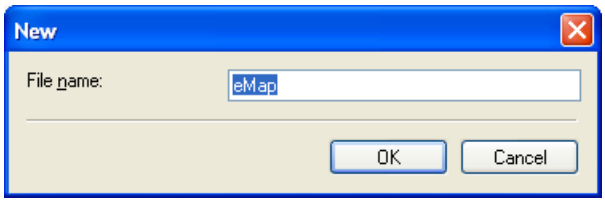
No.	Name	Description
1	Start Service	Starts the E-Map Server.
2	Stop Service	Stops the E-Map Server.
3	New	Creates a new E-Map file.
4	Rename	Renames the E-Map file.
5	Delete	Deletes the E-Map file.
6	Refresh	Refreshes the E-Map Server window.
7	Accounts	Creates user accounts of the E-Map Server.

Setting E-Map Server

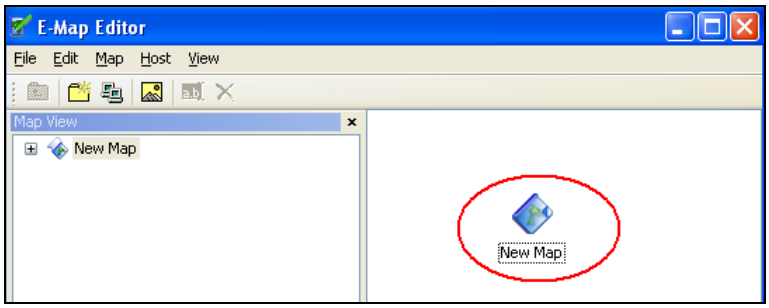
Before starting the E-Map server, you have to create E-map files and user accounts.

To create an E-map file:

1. Click the **New** button. This dialog box appears.

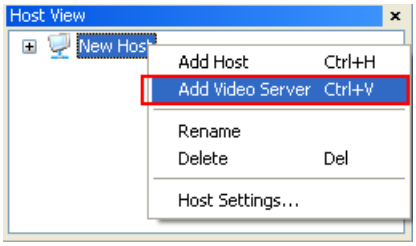


2. Give a name for the E-map file, and click **OK**. The E-Map Editor window appears.
3. To create an E-Map, click the **Add Map** button on the toolbar. A New Map file appears.

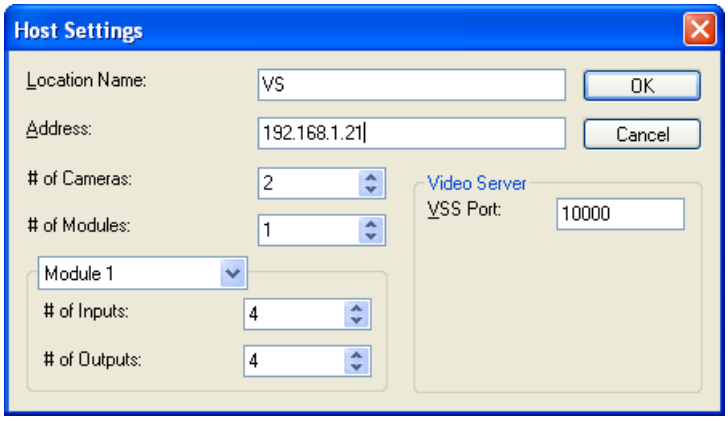


4. Double-click the New Map file, and click the **Load Map** button on the toolbar to import a graphic file.

5. To create a host, right-click on the Host View window, and select **Add Video Server**.



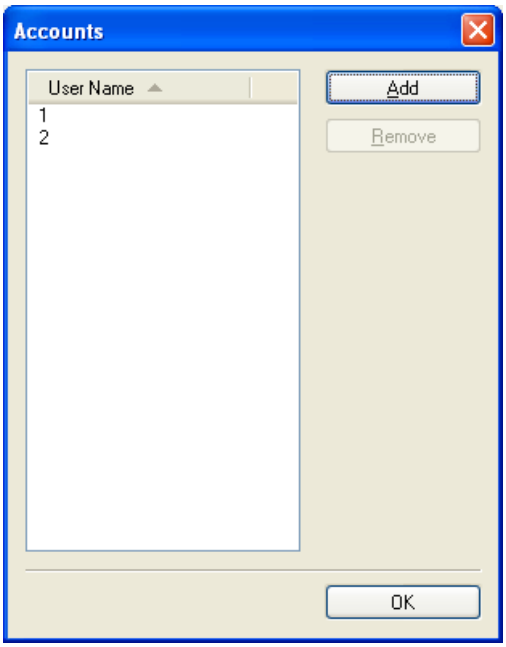
6. Right-click the created New Host, and select **Host Settings**. This dialog box appears.



7. Give the GV-Video Server a location name, and type its IP address (or domain name). Keep the default VSS Port as **10000**, or modify it to match that of GV-Video Server.
8. Click **OK** to save the settings.
9. Expand the created host folder. Drag and drop the icons of cameras and I/O devices onto the imported E-Map.
10. Close the E-Map Editor. Click **Yes** when you are prompted to save the file.

To create a user account:

Click the **Accounts** button to create a user account that will use the server.



Remote Monitoring via E-Map Server

Via E-Map Server, you can monitor the surveillance sites on electronic maps from any computer accessible to Internet.

1. Open the web browser, and type the address of the E-Map server.
2. After entering the valid user name and password for login, you will be prompted to select the desired E-Map file (.emp file).
3. Click **OK**. The Remote E-Map window appears.
4. Click the **Login** button  . The Login dialog box appears.
5. Select the desired host(s), and click **Login** to access its videos and I/O devices.

For details on the Remote E-Map window, see *Remote E-Map* later.

Remote E-Map

The Remote E-Map application allows you to monitor the surveillances sites on electronic maps from any computer accessible to Internet. The application needs to work with the E-Map server, so create E-maps files first with the E-Map server.

Note: There are two methods to connect to the E-Map server from the remote site. One is to install the Remote E-Map application in the local computer first. The other is via Internet. When you connect to the E-Map server, it will also download the components of the Remote E-Map.

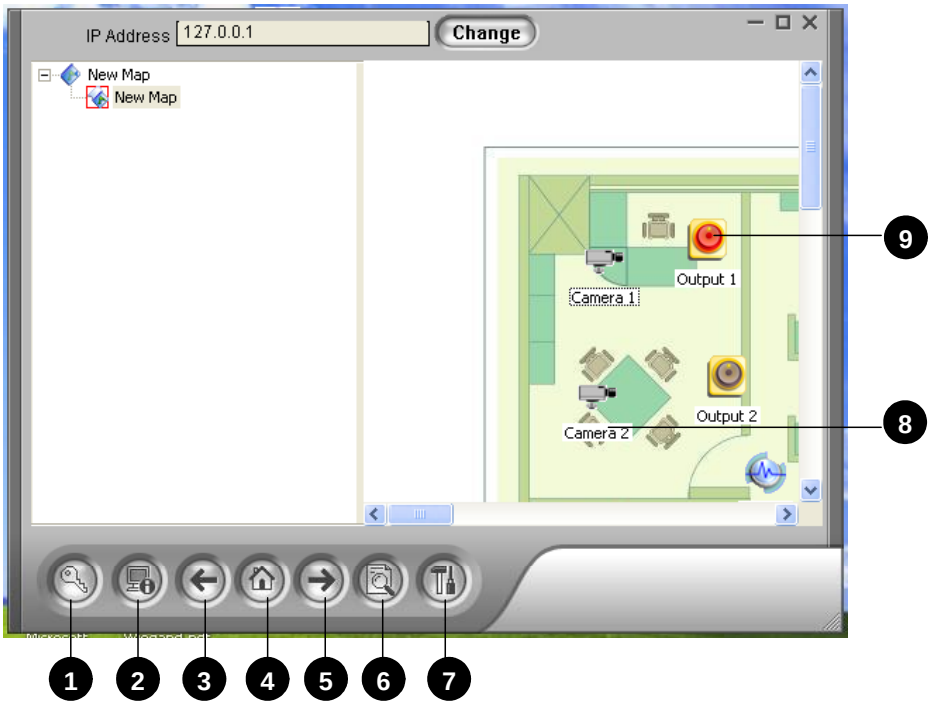
Installing Remote E-Map

1. Insert the Software CD to your computer.
2. Locate and select the **RemoteEMap** folder.
3. Double-click **VSRemoteEMap** to install the program.

Remote Monitoring with Remote E-Map

1. Double-click the Remote E-Map icon created on the desktop. The Login dialog box appears.
2. Click the **Edit** button to enter the IP address of the E-Map server. Enter the valid username and password. Click **OK**.
3. Select the desired E-Map file (.emp file), and click **OK**. The Remote E-Map window appears.
4. Click the **Login** button  . The Login dialog box appears.
5. Select the desired host(s), and click **Login** to access its videos and I/O devices.

The Remote E-Map Window

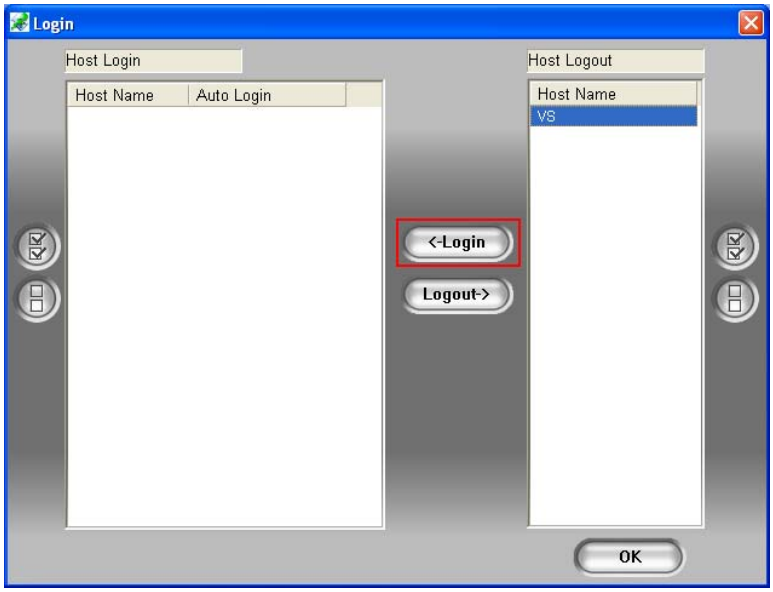


The controls on the Remote E-Map window:

No.	Name	Description
1	Login	Click to login host servers.
2	Host Information	Click to view the information of incoming events upon motion detection and I/O device trigger.
3	Previous	Click to go to the previous E-Map file.
4	Home	Click to back to the top of the tree view.
5	Next	Click to go to the next E-Map file.
6	ViewLog	Click to play back files, saved on the GV-Video Server, by using the video player ViewLog.
7	Configure	Click to configure the Remote E-Map window.
8	Camera Icon	Click to view the live video associated with that camera.
9	Output Icon	Click to force the output devices to be triggered manually.

Logging in Different Hosts

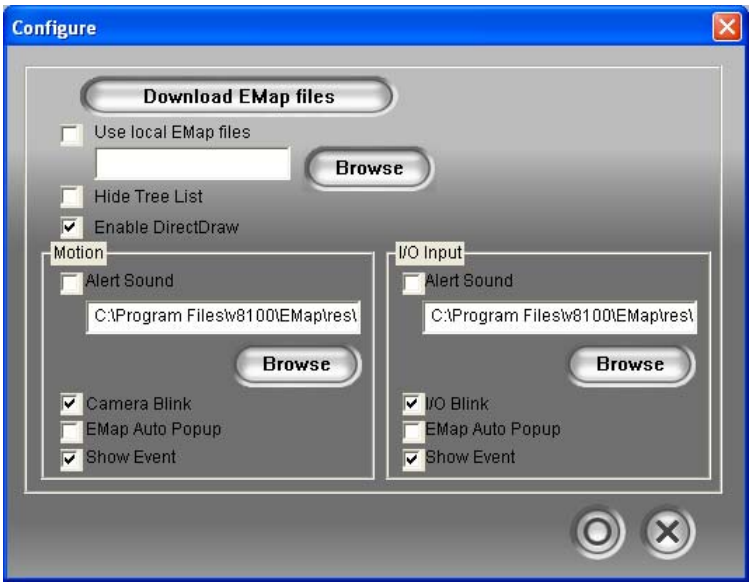
1. Click the **Login** button on the Remote E-Map window. This dialog box appears.



2. Select the desired host name, and click **Login**. You will be prompted to enter the valid username and password.
3. When the connection is established, the message “Login Complete” will appear.

Configuring the Remote E-Map Window

Click the **Configure** button on the Remote E-Map window. This dialog box appears.



[Download EMap files] Click to download E-Map files from the remote server to the local PC. This option can reduce network load when you want to view E-Maps of multiple hosts.

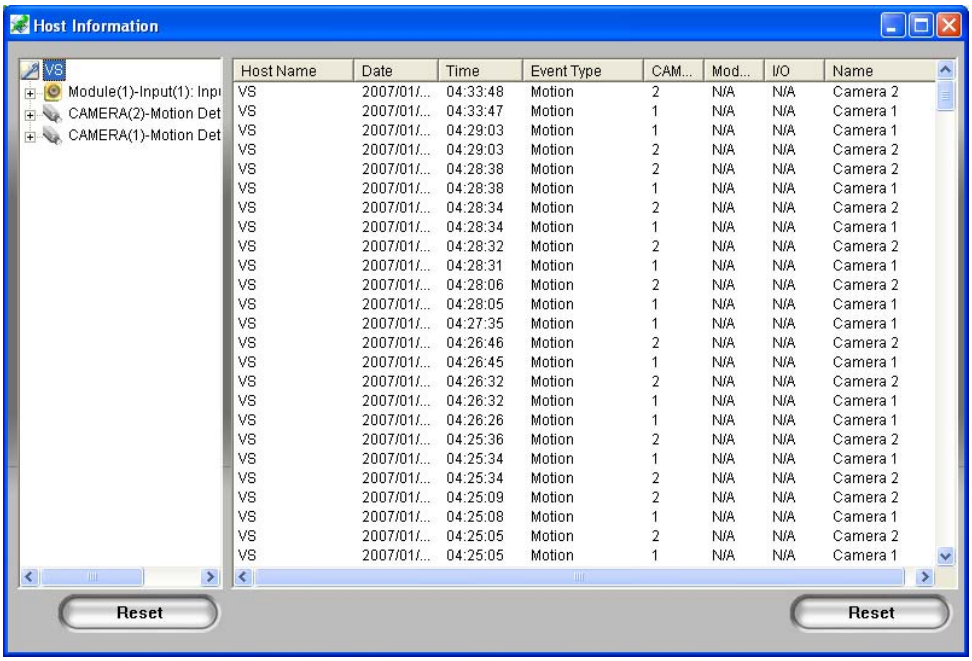
- **Use local EMap files:** Once downloading E-Map files to the local PC, you can use these E-Map files for connection.
- **Hide Tree List:** Check to hide the tree list.
- **Enable DirectDraw:** The DirectDraw is enabled by default. Some VGA cards might not support DirectDraw and can produce distorted frames. In this case, disable the feature.

[Motion] / [I/O Input]

- **Alert Sound:** Check this option and assign a .wav file to alert the operator when motion is detected or I/O devices are triggered.
- **Camera Blink, I/O Blink:** When cameras or I/O devices are triggered, their icons on the E-map flash. Uncheck this option if you don't want to see the flashing icons.
- **EMap Auto Popup:** When cameras or I/O devices are triggered, the related map will pop up on the screen instantly. Check this option and minimize the Remote E-Map window for the application.
- **Show Event:** When cameras or I/O devices are triggered, the trigger information will register on the Host Information window.

Viewing Host Information

The Host Information window registers the trigger information of cameras and I/O devices. Click the **Host Information** button on the Remote E-Map window. This dialog box appears.



Host Name	Date	Time	Event Type	CAM...	Mod...	I/O	Name
VS	2007/01/...	04:33:48	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:33:47	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:29:03	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:29:03	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:28:38	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:28:38	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:28:34	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:28:34	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:28:32	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:28:31	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:28:06	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:28:05	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:27:35	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:26:46	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:26:45	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:26:32	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:26:32	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:26:26	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:25:36	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:25:34	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:25:34	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:25:09	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:25:08	Motion	1	N/A	N/A	Camera 1
VS	2007/01/...	04:25:05	Motion	2	N/A	N/A	Camera 2
VS	2007/01/...	04:25:05	Motion	1	N/A	N/A	Camera 1

Remote ViewLog

With the Remote ViewLog application, you can play back the files recorded at the GV-Video Server over Internet.

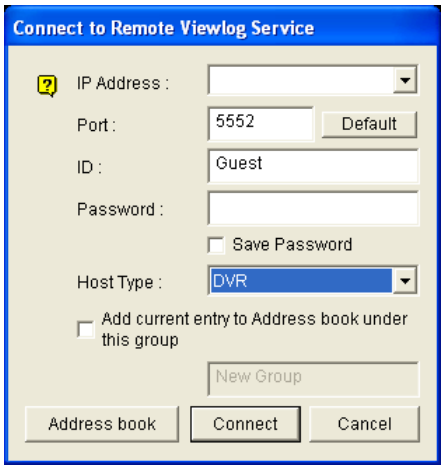
Installing Remote ViewLog

1. Insert the Software CD to your computer.
2. Locate and select the **RemoteViewLog** folder.
3. Click the desired language folder, and double-click **VSRemoteViewLog** to install the program.

Playing Back Video

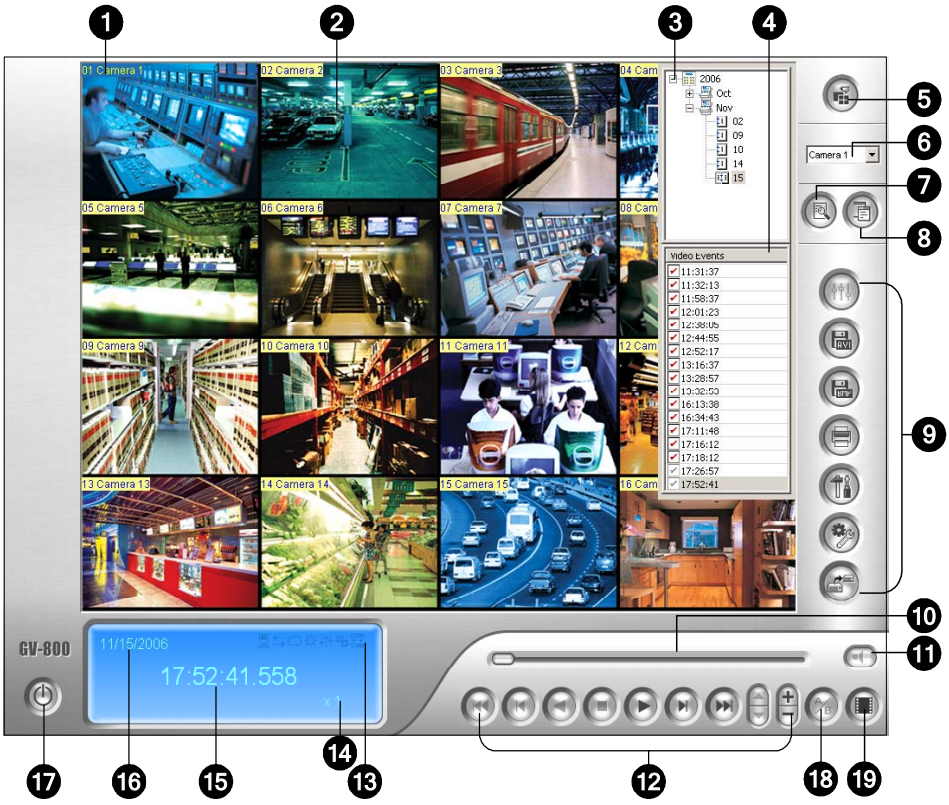
For remote playback, the GV-Video Server must allow the access by enabling the **ViewLog Server** first. For details, see *GV-Video Server User's Manual*.

1. Run **Remote ViewLog**. This dialog box appears.



2. Type the GV-Video Server's IP address, the login ID and password. Keep the default port as **5552** or modify it if necessary.
3. In the Host Type field, select **Video Server**.
4. Click **Connect** to access the files of the GV-Video Server for playback.

The ViewLog Window

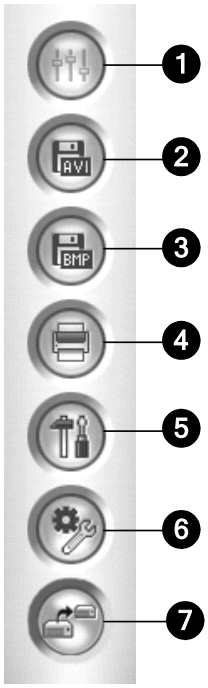


The controls in the ViewLog window:

No	Name	Description
1	Camera Name	Indicates the given camera name.
2	Camera View	Displays the playback video.
3	Date Tree	Displays date folders.
4	Video Event List	Displays video events within a certain date folder.
5	View Mode	Sets screen divisions: Single, Thumbnail, Quad or Multi View.
6	Camera Select	Sets a desired camera for display.
7	Advance	Accesses the basic or advanced search, and reloads video event list.
8	Normal	Displays the date tree and video event list.
9	Function Panel	Provides various settings for ViewLog.

10	Scroll Bar	Scrolls forward or backward of the playback video.
11	Audio Playback	Enables audio playback.
12	Playback Panel	Contains typical playback control buttons.
13	Function Icons	A highlighted icon indicates an enabled function. From left to right are the A to B Mode, auto playing of next events, the contrast and brightness function, the light enhancement and equalization function, the sharpness and smoothness function, the grayscale function, and reconnection to Remote ViewLog.
14	Playback Speed	Indicates the playback speed. x 1 represents normal playback speed.
15	Time Display	Indicates the time of the playback video.
16	Date Display	Indicates the date of the playback video.
17	Exit	Closes or minimizes the ViewLog window.
18	A to B Mode	Plays repeatedly the set frames A to B.
19	Frame by Frame / Real Time	Plays back video frame by frame or on real time.

Functional Panel



The controls in the Functional Panel:

No	Name	Description
1	Effects	Adds effects to the images. The effect options include: Sample, Contrast/Brightness, Light Enhancement, Equalization, Sharpen, Smooth, Grayscale, Copy, Undo to Prev. Action and Undo All Effects.
2	Save As AVI	Saves a video file as avi or exe format.
3	Save As Image	Saves a video image as bmp, jpg, gif, png, or tif format.
4	Print	Specifies various settings for printing.
5	Setting	Accesses system settings of ViewLog.
6	Tools	Brings up these options: Object Search, Advanced Log Browser, Delete, Remote ViewLog Service, Address Book, Full Screen and Tool Kit.
7	Backup	Backs up video files.

MultiView

With the MultiView application, you can monitor the surveillance sites over Internet.

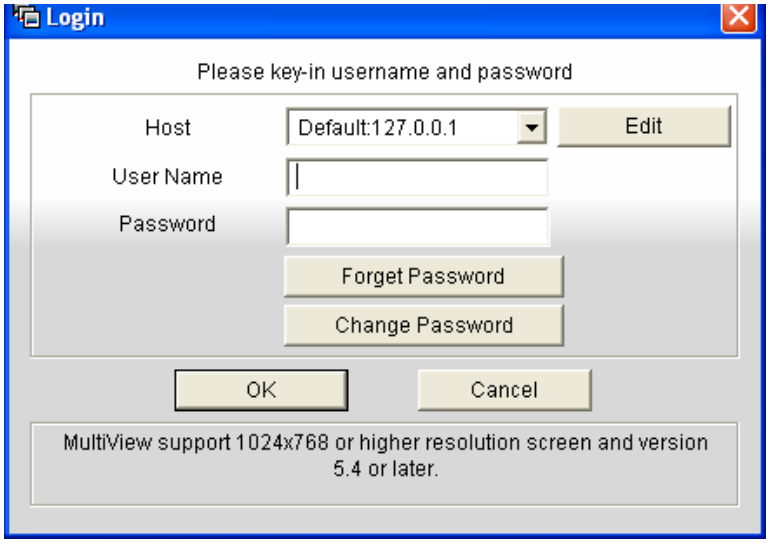
Installing MultiView

1. Insert the Software CD to your computer.
2. Locate and select the **MultiView** folder.
3. Double-click **DMVSMultiView** to install the program.

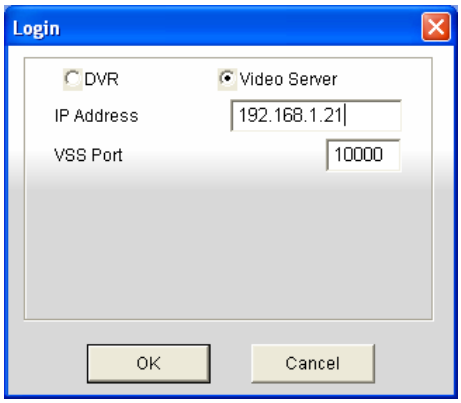
Remote Monitoring with MultiView

With the MulitView application, you can monitor the surveillance sites from any computer accessible to Internet.

1. Double-click the **DMMuliView** icon created on the desktop. The Login dialog box appears.

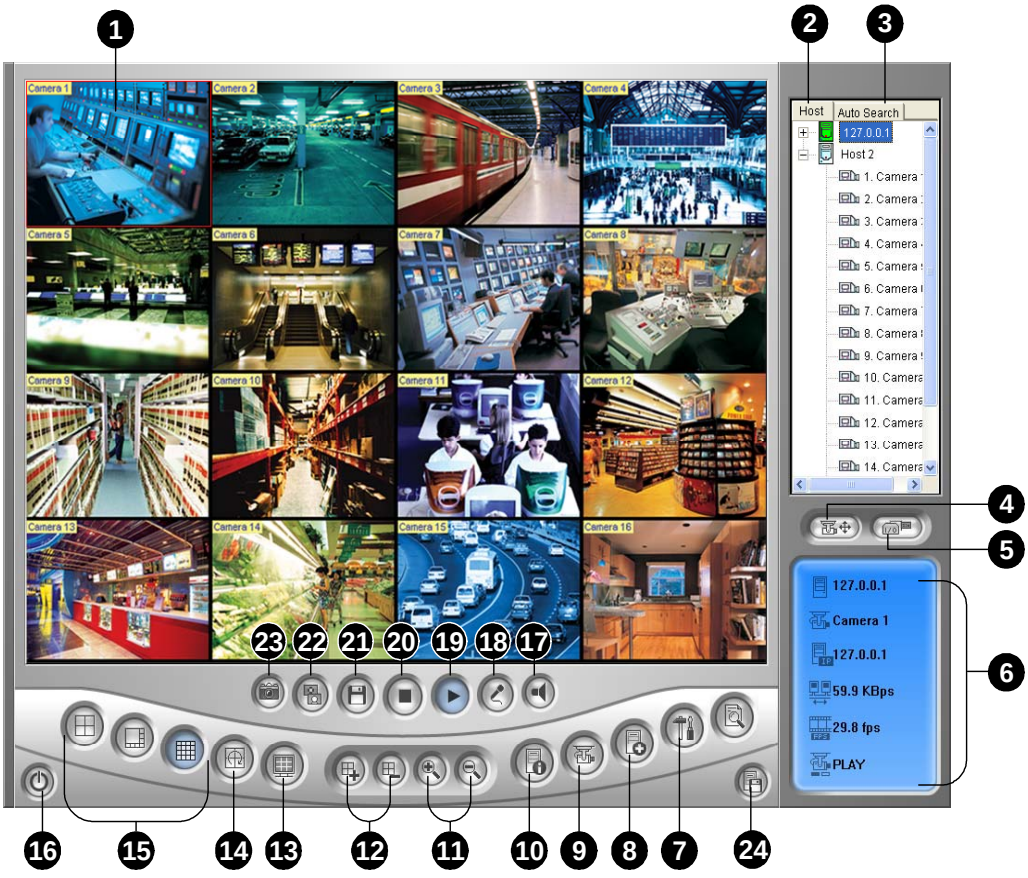


2. Click **Edit**. This dialog box appears.



3. Select **Video Server**, and type the IP address of the GV-Video Server. Keep VSS Port as **10000**, or modify it to match that of the GV-Video Server.
4. Click **OK**. The MultiView window will appear.

The MulitView Window



The controls in the MultiView Viewer:

No	Name	Description
1	Monitoring Window	Displays live video.
2	Host Server Window	Displays connected GV-Systems and their available cameras.
3	UPnP Device	Displays all hosts on the same LAN.
4	PTZ Control	Displays the PTZ control panel.
5	I/O Conrol	Displays the I/O control panel.
6	Channel Status	Indicates the general information of the selected channel.
7	ViewLog	Accesses Remote ViewLog.
8	Configure	Accesses system settings of the MultiView.
9	Edit Host	Adds, deletes or modifies GV-Systems.
10	Camera Status	Displays the camera status of the connected GV-Systems.
11	Host Information	Displays the general information of the connected GV-Systems.
12	Zoom in and out	Zooms in or out the selected channel.
13	Add/Remove Channel	Adds or deletes the channels for video polling. Click the Add or Remove Channel button and then click the desired channel to add to or remove from the video polling.
14	Full Screen	Switches to a full screen view.
15	Video Polling	Rotates through the selected channels.
16	Screen Division	Sets the screen divisions for 4, 8 or 16.
17	Exit/Minimize	Closes or minimizes the MultiView window.
18	Speaker	Enables speaking to the remote GV-System.
19	Microphone	Enables live audio from the remote GV-System.
20	Stop	Terminates the connection to a GV-System.
21	Play	Establishes the connection to a GV-System.
22	Save	Saves live video.
23	Quality	Changes video resolution.
24	Snapshot	Takes a snapshot of the selected channel.
25	Save Camera to Multiple Host	Saves the selected cameras to create a Multiple Host.