

4.3 Multiview Setup

- ✓ Configure this section on remote PC.

4.3.1 Install Multiview

Multiview can be obtained from one of the following locations:

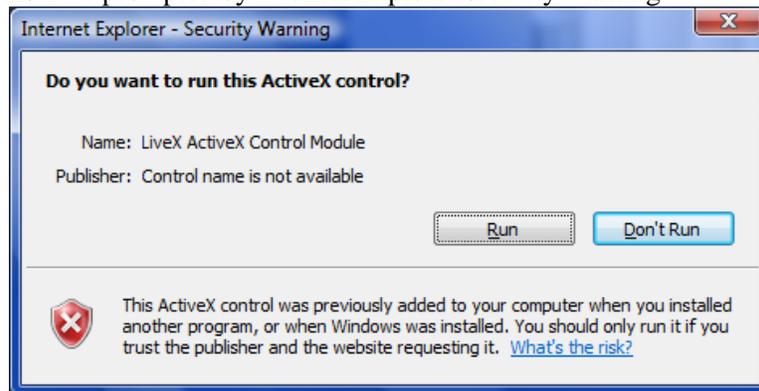
- ✓ Download from GV-DVR system remotely via Internet Explorer.
- ✓ Install from GeoVision installation disk.
- ✓ Download from <http://www.usavisionsys.com/download>.

Download from GV-DVR System

1. Under Internet Explorer, type in DVR's IP address as found in section 4.2.2. (If connecting within the same network, use LAN IP address as found in 4.2.1.)
2. Type in ID and Password of the DVR system
3. Click "**Login**".
4. Install all ActiveX Control as prompted. (ActiveX Control options will appear as an orange bar on top)
5. Click on orange bar as shown below, then select "**Install**" or "**Run Add-on**".



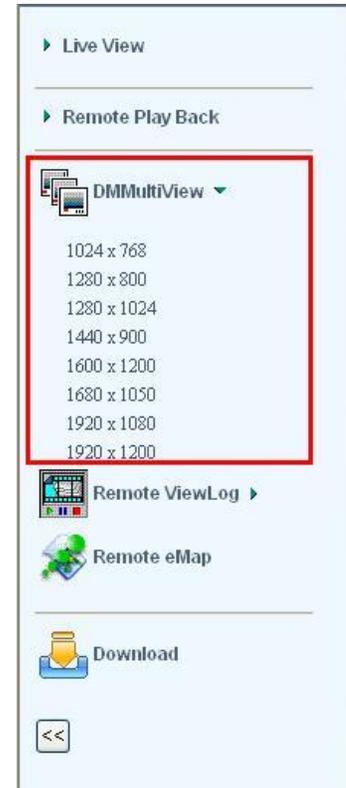
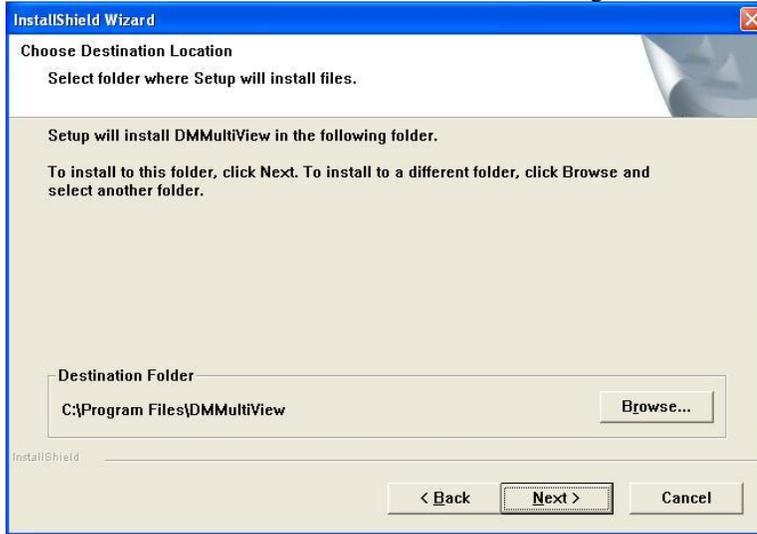
6. Refresh webpage. (Login may be required).
7. Select "**Run**" if prompted by Internet Explorer security warning.



8. When one channel view appears on the webpage, click on “**DMMultiView**” from the menu list on the left.
9. Select “**1024x768**” to download Multiview.

✓ *Select higher resolution Multiview only if your desktop supports such resolution*

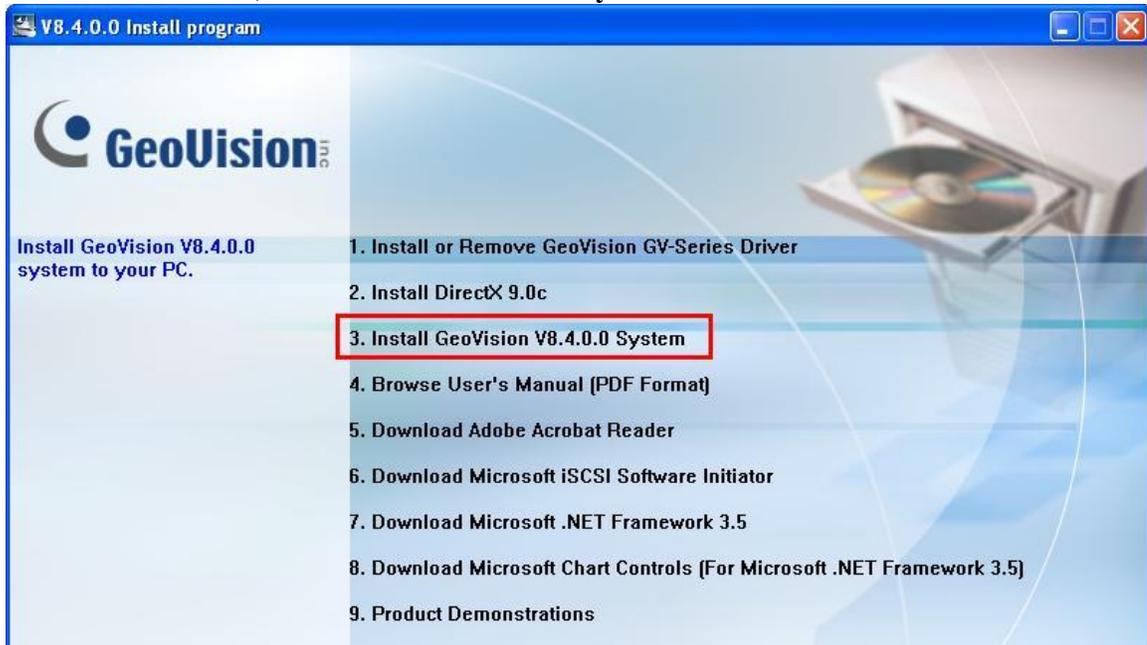
10. Follow on-screen instruction to finish installing Multiview.



11. Proceed to Section 4.3.2 Run Multiview.

Install from Disk

1. Insert GeoVision Main System Installation Disk in DVD Rom.
2. In the main menu, select “**Install GeoVision System**”.



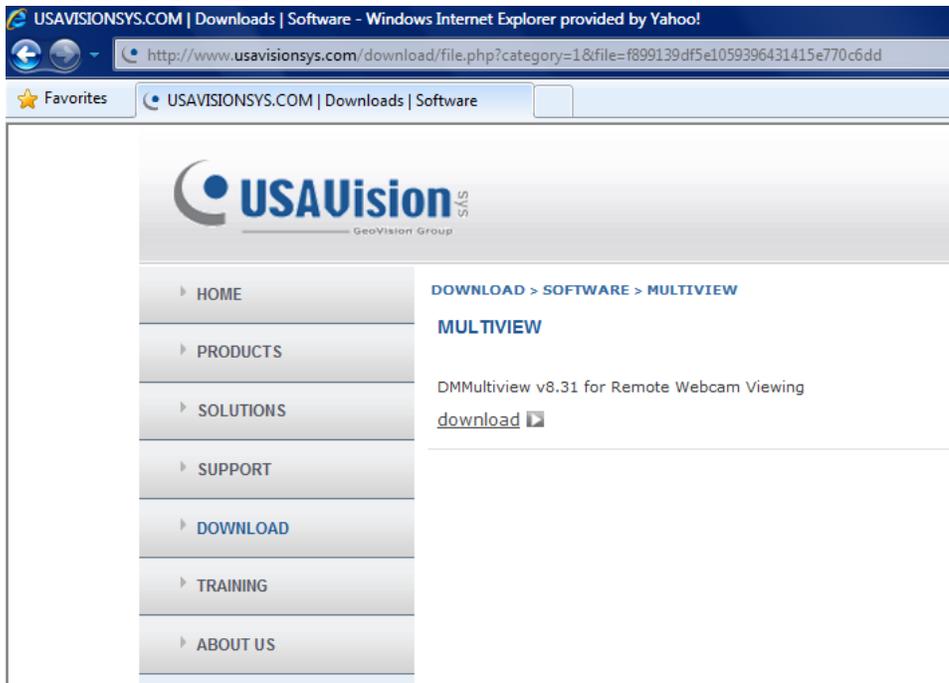
3. Select “GeoVision Multi View”.



4. Follow on-screen instruction to finish installing Multiview.
5. Proceed to Section 4.3.2 Run Multiview.

Download from Website

1. In Internet Explorer, go to <http://www.usavisionsys.com/download>.
2. Click on “**Software**”.
3. Click on “**Multiview**”.
4. Click on “**Download**”.



5. After download, extract the zip file then run **Setup.exe** to begin setup.
6. Follow on-screen instruction to finish installing Multiview.
7. Proceed to Section 4.3.2 Run Multiview.

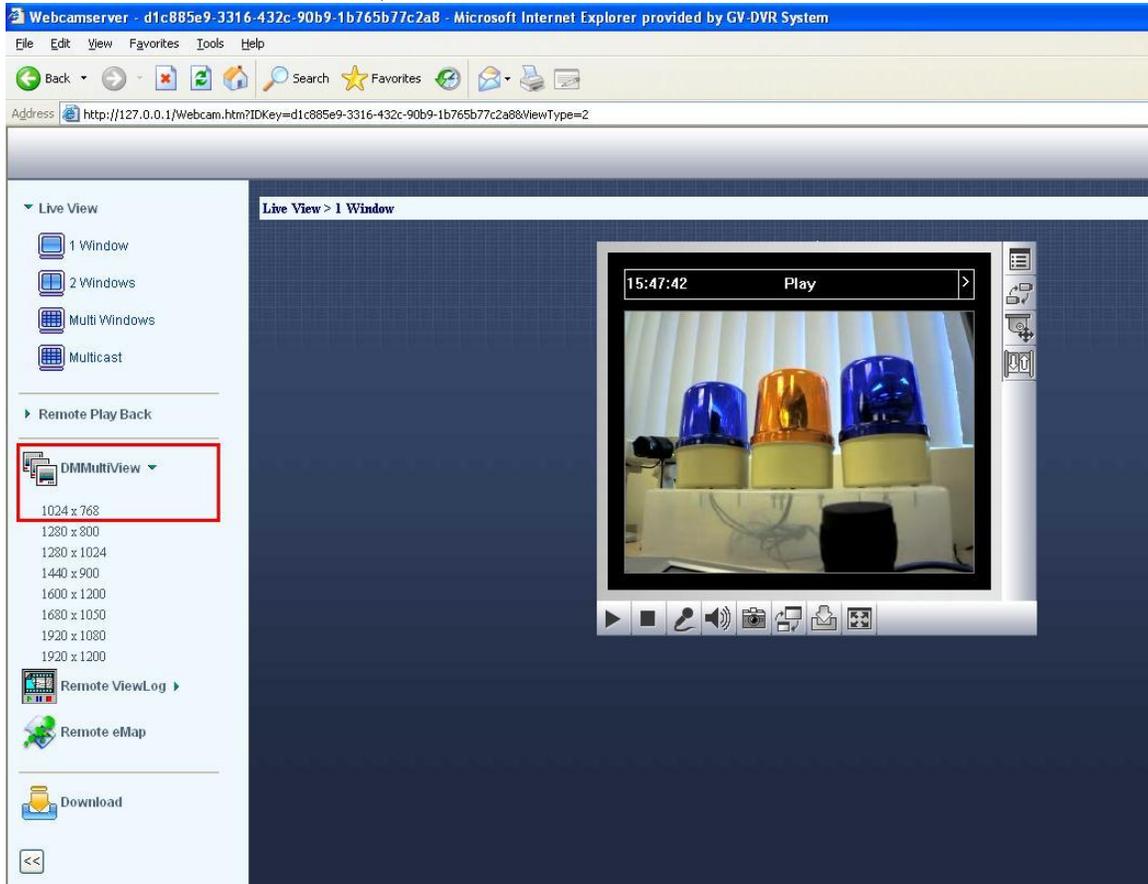
4.3.2 Run Multiview

Multiview can be executed from one of the following locations:

- a. Access via Internet Explorer.
- b. Access via Start, All Programs, DMMultiview.

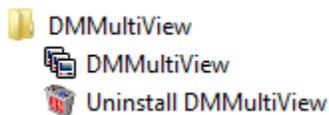
Access from Internet Explorer

1. Under Live View window in Internet Explorer, select “**DMMultiview**”.
2. Select “**1024x768**”. (If a different resolution has been selected in step 9 from section 4.3.1, select that resolution instead)



Access from Internet Explorer

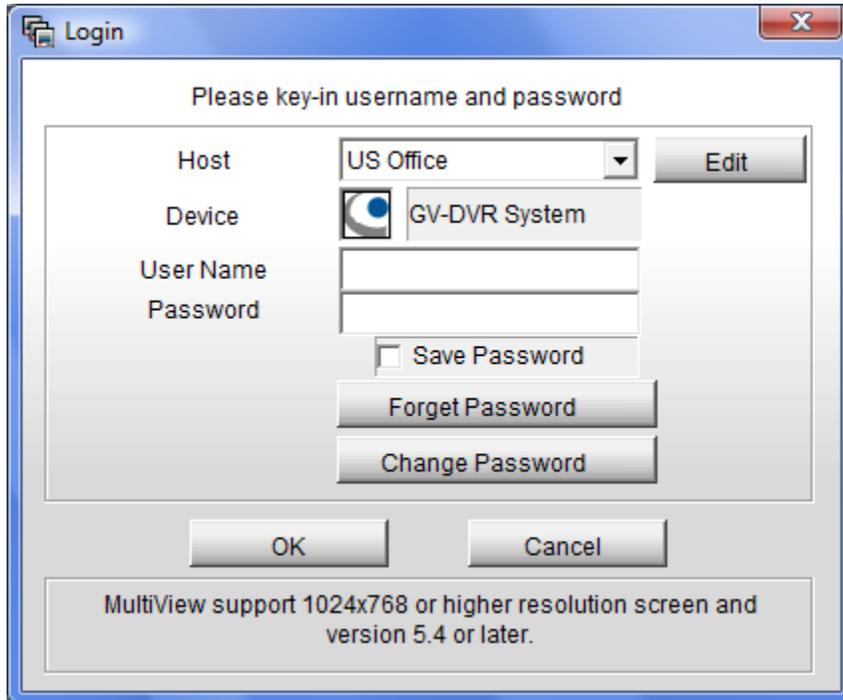
1. On Windows desktop, click on “**Start**”.
2. Click on “**All Programs**”, select “**DMMultiView**”.
3. Click on “**DMMultiView**”.



4.4 Multiview

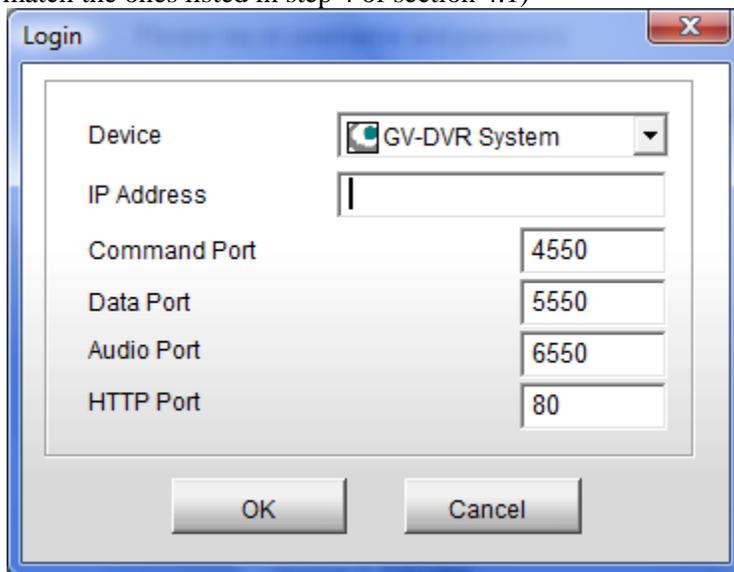
4.4.1 Connect to DVR

1. Enter **User Name** and **Password** to connect to Host DVR listed above.

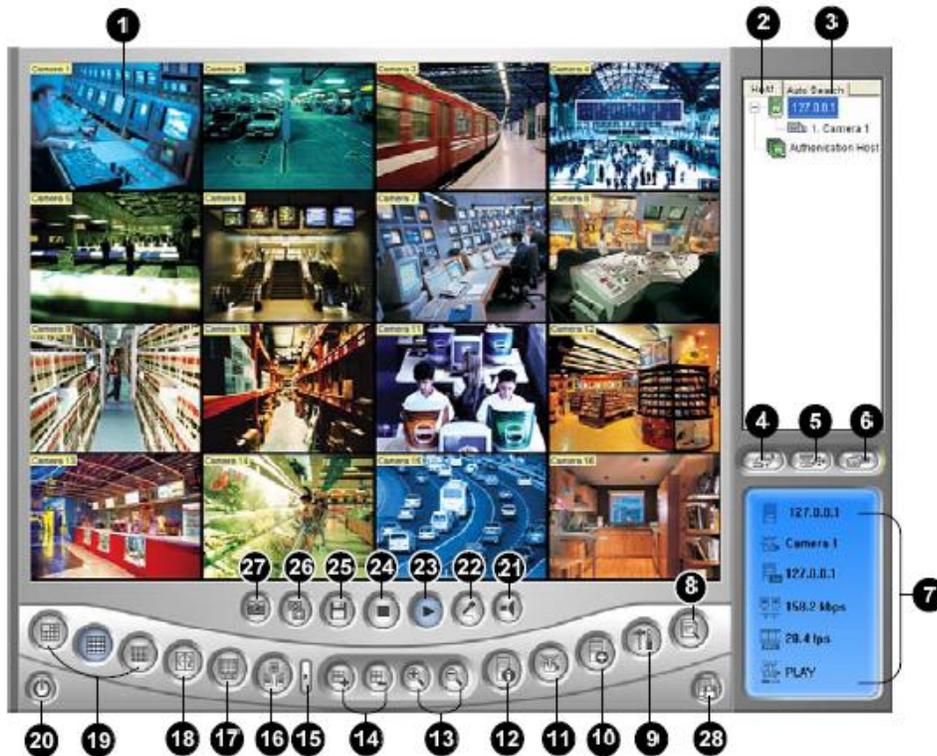


MultiView support 1024x768 or higher resolution screen and version 5.4 or later.

2. To change Host IP address and port information, select “**Edit**”.
3. Enter new Host IP address and port information, then click “**OK**”. (Port information should match the ones listed in step 4 of section 4.1)



4. Click “**OK**” in the Login window to bring up Multiview.



The controls in the Multi View:

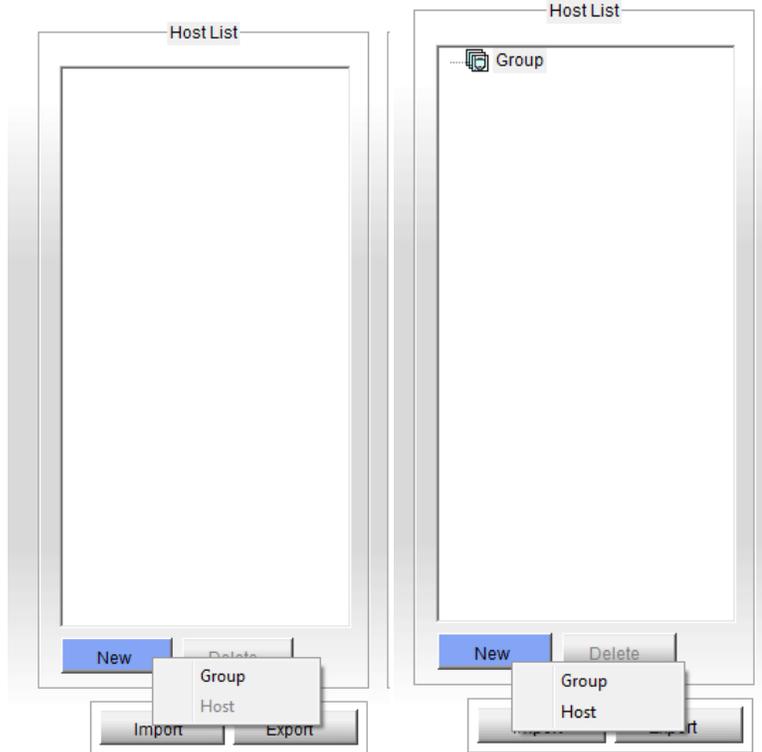
No.	Name	Description
1	Monitoring Window	Displays live video. Right-clicking on live video allows you to instantly access some useful functions. Selecting Resolution displays a resolution indicator at the bottom right corner of the video.
2	Host List	Displays the connected GV-Systems and their available cameras. See <i>Host List</i> topic later.
3	Auto Search	Displays all hosts on the same LAN. See <i>Host List</i> topic later.
4	Show Camera Menu	Select the desired camera for display. If a panorama view is created at the GV-System, it is also included in this menu.
5	PTZ Control	Displays the PTZ control panel. See <i>PTZ Control</i> , and <i>Visual PTZ Control Panel</i> topics later.
6	I/O Control	Displays the I/O control panel. See <i>I/O Control</i> topic later.
7	Channel Status	Indicates the general information of the selected channel. See <i>Channel Status Information</i> topic later.

8	ViewLog	Plays back recorded files of the remote GV-System by using the video player ViewLog. See <i>Remote ViewLog</i> topic later.
9	Configure	Accesses system settings of the Multi View. See <i>System Configuration</i> topic later..
10	Edit Host	Adds, deletes or modifies a host. See <i>Adding a Host</i> topic later.
11	Camera Status	Displays the camera status of the connected GV-System. See <i>Camera Status Display</i> topic later.
12	Host Information	Displays the general information of the connected GV-System. See <i>Host Information</i> topic later.
13	Zoom in and out	Zooms in or out the selected channel.
14	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.
15	Next	Goes to the next page of Screen Division buttons.
16	Multicast	Accesses the Multicast function.
17	Full Screen	Switches to a full screen view. The maximum video resolution set on the GV-System will be applied. See <i>[Video], WebCam Server Settings</i> earlier in this chapter.
18	Video Polling	Rotates through the selected channels. See <i>Video Polling</i> topic later.
19	Screen Division	Sets screen divisions to 4, 6, 8, 9, 10, 13, 16 or 32.
20	Exit/Minimize	Closes or minimizes the Multi View window.
21	Speaker	Enables live audio from a remote GV-System.
22	Microphone	Enables speaking to a remote GV-System.
23	Play	Establishes the connection to a GV-System.
24	Stop	Terminates the connection to a GV-System.
25	Save	Saves live video. See <i>Video Recording</i> topic later.
26	Quality	Adjusts video quality with two options: Geo H264 and Geo MPEG4 . For hardware-compressed and megapixel quality, see <i>Hardware-Compressed and Megapixel Stream</i> topic later.
27	Snapshot	Takes a snapshot of the selected channel.
28	Save Camera to Multiple Host	Saves the selected cameras and creates a Multiple Host. See <i>Combing Multiple Hosts into a Single Host</i> topic later.

4.4.2 Single Host

Through Single Host, Multiview provides the ability to save DVR's IP address, user name, and password in an address book to allow streaming video from multiple DVRs.

1. In Multiview, click on “**Edit Host**” button as shown above.
2. Click “**New**” button then select “**Group**” to create a new group.



3. After a group is created, click “**New**” button then select “**Host**” to create a new host.
4. Name the DVR in “**Host Name**” for identification.
5. Enter **IP Address**, **User Name**, **Password**, as well as **Ports** used for DVR.
6. Click on “**Save**”.
7. Repeat steps 1 to 6 to add multiple DVRs into host list.
8. Click on “**OK**”.

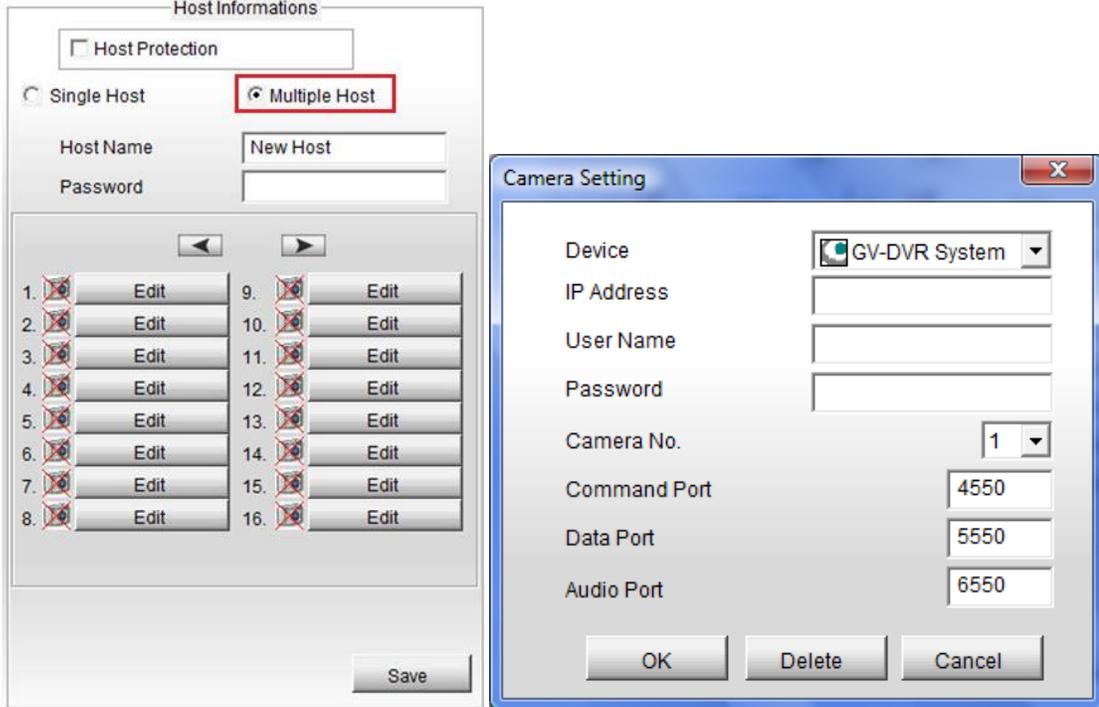
- ✓ For detailed instruction, refer to p.399 of v8.4 User Manual

<input type="checkbox"/> Host Protection	
Host Name	New Host
Device	GV-DVR System
IP Address	
User Name	
Password	
Command Port	4550
Data Port	5550
Audio Port	6550
HTTP Port	80
Change Password	
Save	

4.4.3 Multi Host

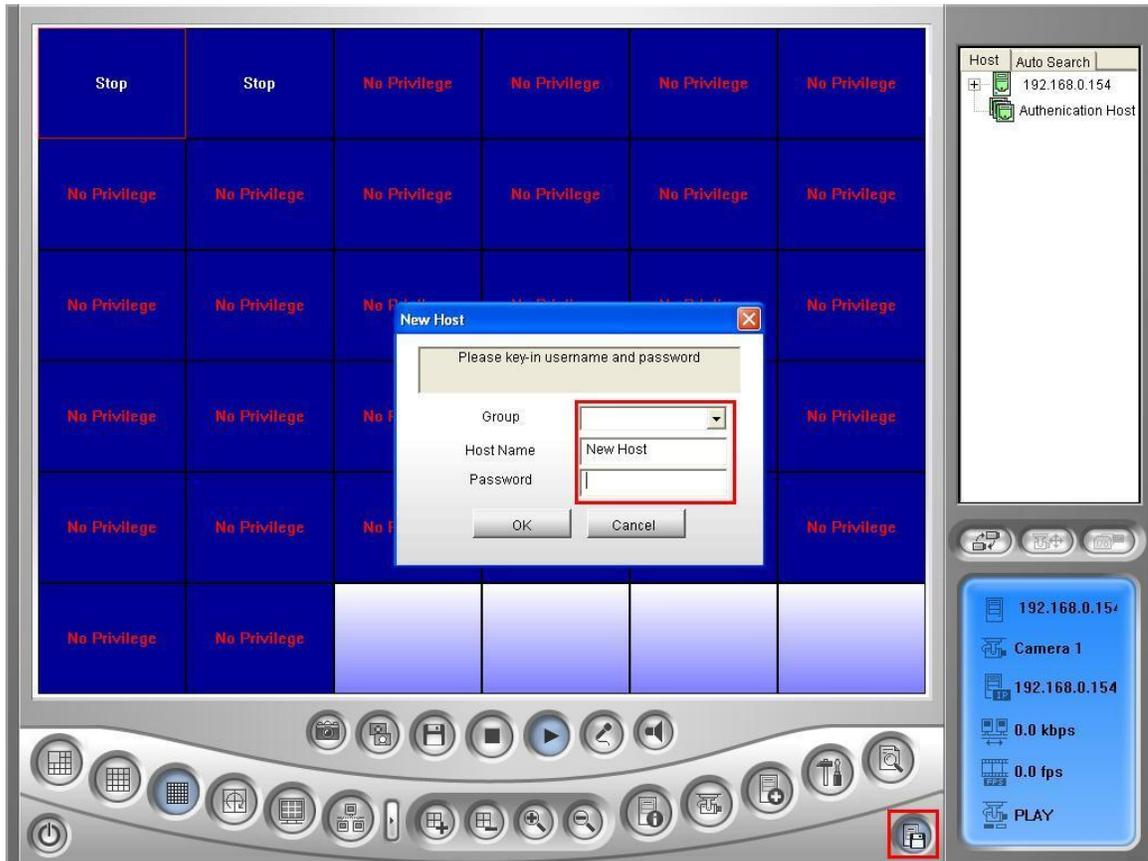
Through Multi Host, user may customize each channel to pull up video from different DVRs directly.

1. Follow steps 1 to 3 in section 4.4.2.
2. Select “**Multiple Host**” instead of Single Host above.



3. For each camera, click on “**Edit**”.
 4. Enter **IP Address**, **User Name**, **Password**, as well as **Ports** used for DVR.
 5. Select **Camera No.** on the DVR to be played for this channel.
 6. Click “**OK**” to save camera information for this channel.
 7. Repeat steps 1 to 6 to define Camera information for each channel.
 8. Click on “**Save**”.
 9. Click on “**OK**”.
- ✓ For detailed instruction, refer to p.400 of v8.4 User Manual

Alternatively, Multiple Host can also be saved directly from Multiview if user wishes to save the current viewing channel combination.



1. Under Multiview, adjust live view channel layout by drag and drop video channels from multiple DVR sources from the host list on the right.
2. When the desired live view combination has been assembled, click on **Save Host** button at the lower right hand corner of Multiview.
3. Assign a **Group**, if any, then **Host Name** and **Password** for this MultiHost configuration.
4. Click **OK**.