

Quick Start Guide

GV-Edge Recording Manager



Thank you for purchasing GV-Edge Recording Manager. This guide is designed to assist the new user in getting immediate results from the GV-Edge Recording Manager. For advanced information on how to use the GV-Edge Recording Manager, please refer to *GV-Edge Recording Manager User's Manual* online.



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May 2015

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1. Introduction

Welcome to the GV-Edge Recording Manager Quick Start Guide. In the following sections, you will learn about the basic installations and configurations. For more details, see *GV-Edge Recording Manager User's Manual*.

1.1 Minimum System Requirements

Install GV-Edge Recording Manager to a computer that meets the minimum system requirements.

Windows Version

OS Supported	32-bit 64-bit	Windows 7 / 8 / 8.1 / Server 2008 R2 / Server 2012 R2
CPU	32 channels (Dual Streams)	Core i3-4130, 3.4 GHz
	64 channels (Dual Streams)	Core i5-4670, 3.4 GHz
Memory	32 channels (Dual Streams)	2 x 1 GB
	64 channels (Dual Streams)	2 x 2 GB
Graphic Card		AGP or PCI-Express, 800 x 600 (1280 x 1024 recommended), 32-bit color

Software License (Windows Version)

Free License	32 channels
Maximum License	64 channels
Increment for Each License	N/A
Optional Combinations	N/A
Dongle Type	Internal or external
Note: It is recommended that you use the internal GV-USB Dongle to have the Hardware Watching function which restarts the PC when Windows crashes or freezes.	

Mac Version

OS Supported		OS X 10.9 or later
Mac PC	32 channels (Dual Streams)	Mac mini (Core i5-3210M, 8 GB RAM)

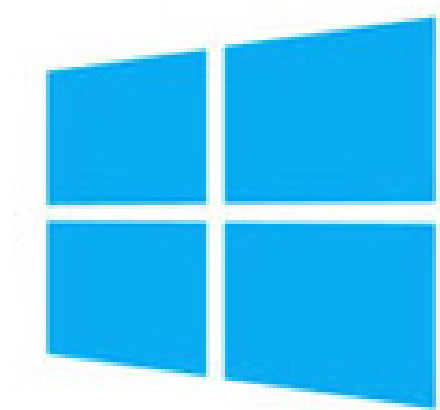
1.2 Supported GV-IP Devices and Software

GV-IP Devices		Supported Version
GV-IP Camera		V3.00 or later
GV-IP Speed Dome	GV-SD220	V1.04 or later
	GV-SD220-S	
GV-Target Camera		V1.02 or later
GV-Video Server	GV-VS11	V1.03 or later
	GV-VS12	V1.07 or later
	GV-VS14	V1.01 or later
GV-NVR System	GV-SNVR0400F	V1.10 or later
	GV-SNVR1600	V1.10 or later
GV-Software		Supported Version
GV-Recording Server		V1.2.4.0 or later
GV-System (GV-DVR / NVR)		V8.5.9.0 or later for Windows version
GV-VMS		V14.10 or later
Note: <ol style="list-style-type: none"> Recording to GV-NAS Systems is only supported by GV-IPCamera, and GV-Target Camera of the specified versions. Files recorded to GV-NAS Systems are stored in the MPEG4 format and those recorded to memory cards are stored in the AVI format. 		
IMPORTANT: Currently, the Mac version of GV-Edge Recording Manager does not support GV-System (GV-DVR / NVR). It will support GV-System (GV-DVR / NVR) in the near future.		

1.3 Options

GV-NAS System	GV-NAS System is a Linux-based, network attached storage device designed to store GV-IP Camera and GV-Target Camera recordings.
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Windows Version



2. Getting Started

2.1 Installing the GV-Edge Recording Manager

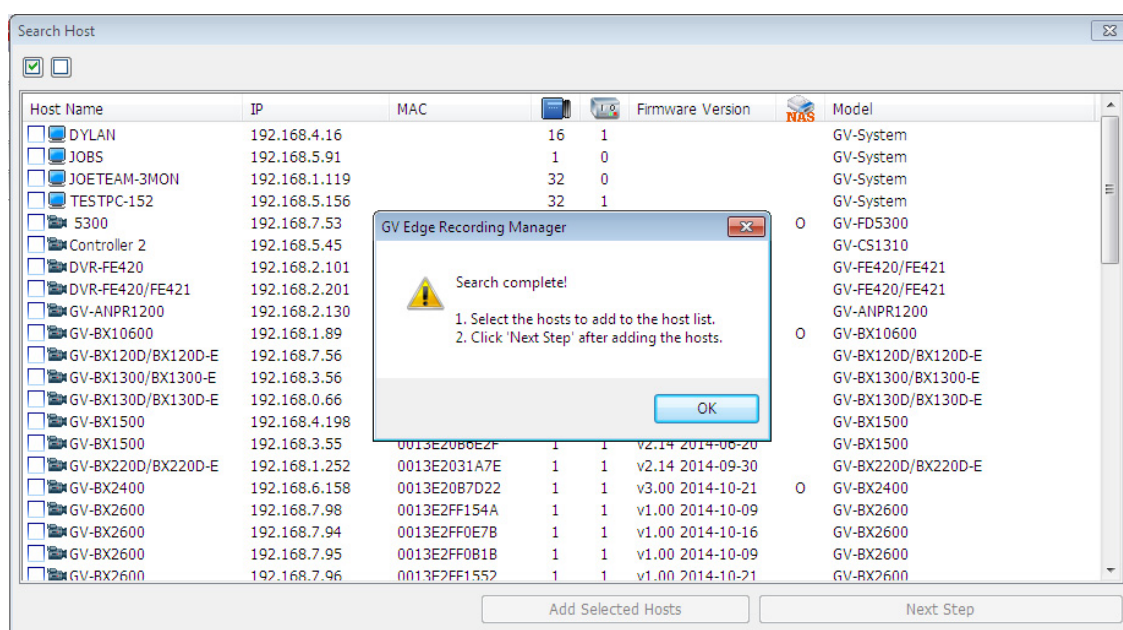
Follow the steps below to install GV-Edge Recording Manager from the GeoVision Website.

1. Go to the Software Download and Upgrading page of GeoVision Website:
http://www.geovision.com.tw/english/5_8_VMS.asp
2. Select **Video Management Software** tab, select **GV-Edge Recording Manager** from the drop-down list and click the **Download** icon  of **GV-Edge Recording Manager (Windows)**.

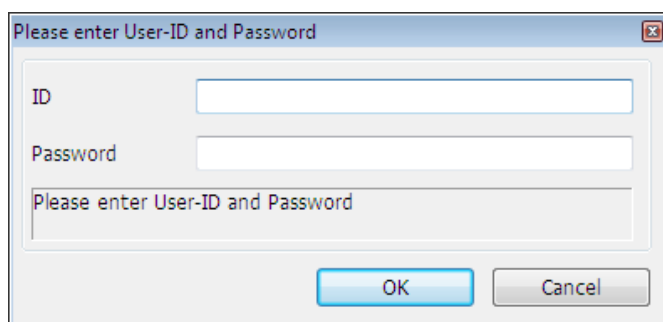
2.2 Adding Hosts

Note: To connect to GV-System / GV-VMS hosts, make sure **Control Center Service** and **Remote ViewLog Service** functions are enabled to allow remote access of GV-Edge Recording Manager.

1. Execute the GV-Edge Recording Manager program.
2. Upon first startup, GV-Edge Recording Manager automatically searches for the GV-IP Devices and the servers installed with GeoVision software that are under the same LAN.

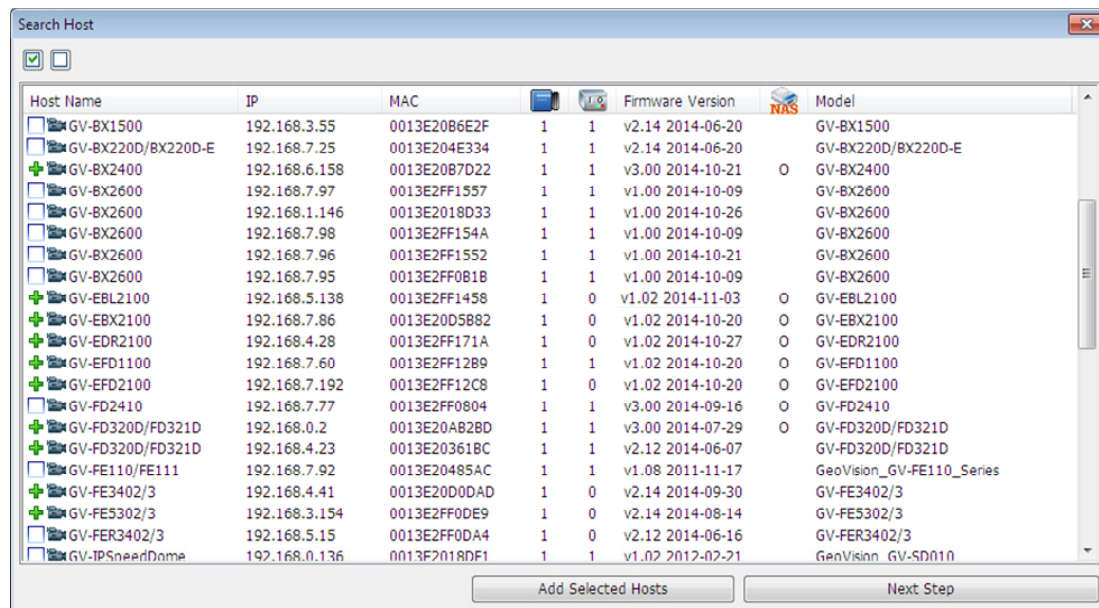


3. When the search is finished, you are prompted to select hosts. Click **OK** to proceed.
4. Select a desired host by checking the box ☐. This dialog box appears.

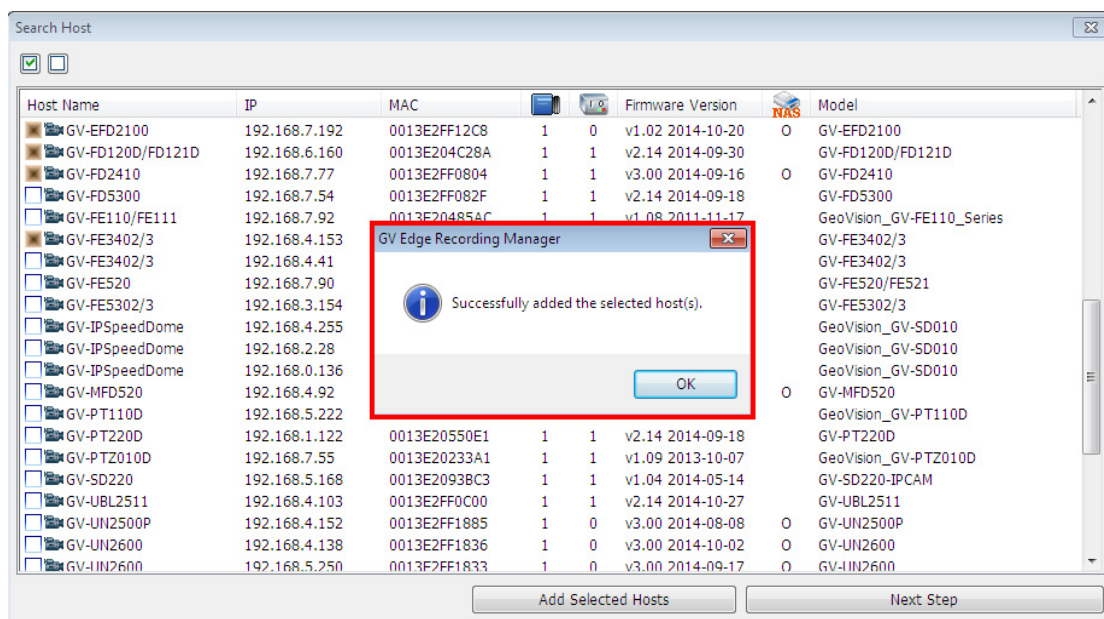


5. Type the ID and password of the device and click **OK**.

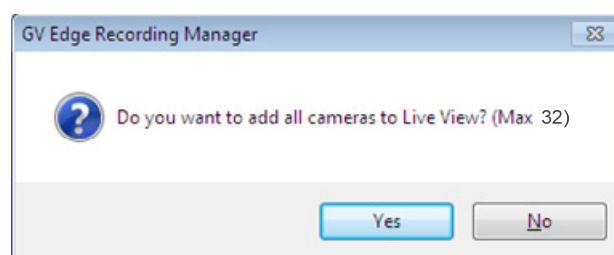
- Repeat steps 4 and 5 to select more hosts. The selected hosts are indicated with a green plus sign.



- Click the **Add Selected Hosts** button. When the hosts are added to the Host List, you are prompted with a message.



- Click **OK** and click **Next Step**. You are prompted to display the added hosts to live view.

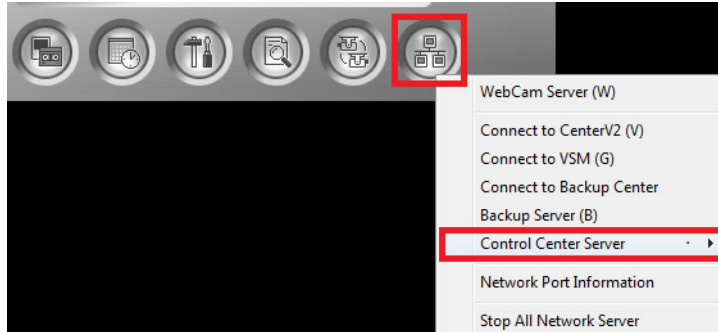


9. To display all the hosts, click **Yes**. To display only a selection of the hosts, click **No** and then drag and drop the cameras from the Host List to live view grid for immediate display.

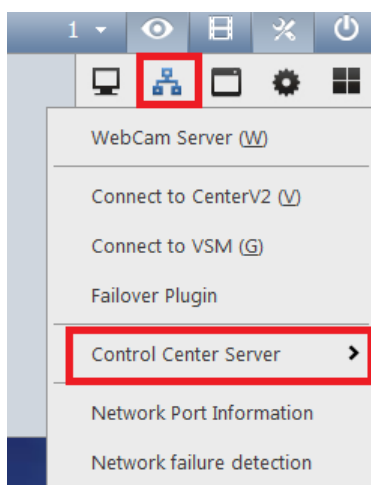
Note:

1. For more ways of adding hosts, see [2.2 Adding Hosts in GV-Edge Recording Manager User's Manual](#).
2. If a router or firewall is installed, ensure the following communication ports required by the Host Search function are open:
 - TCP/IP ports **5201** (for searching GV-System / GV-VMS) and **5202** (for searching GV-IP Devices)
 - Multicast port **5200**
3. If antivirus software is installed, the Host Search function may be interfered and will not detect the available hosts. In this case, turn off the antivirus software and try again.
4. To add GV-System / GV-VMS hosts, make sure that **Control Center Service** and **Remote ViewLog Service** are enabled ahead to allow remote access from GV-Edge Recording Manager. (Network button > Control Center Server > Start Default Service)

[GV-System]



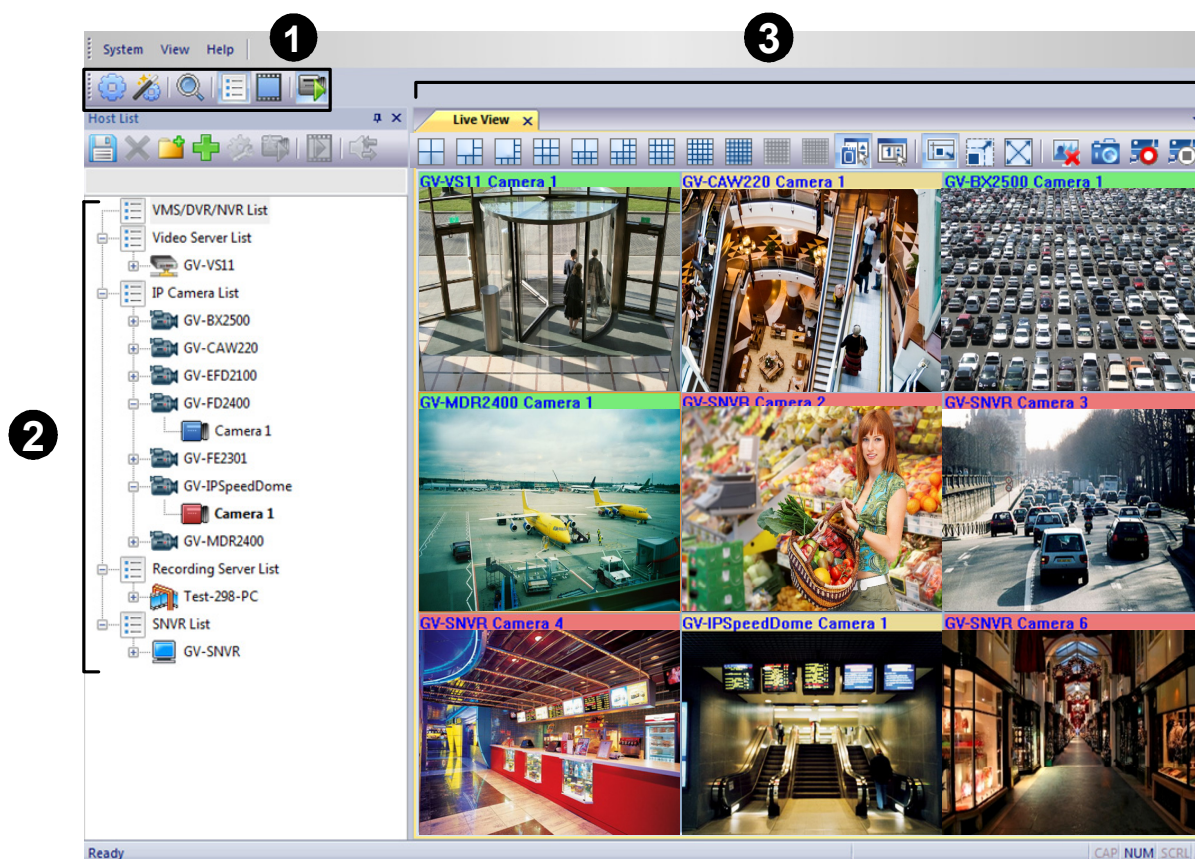
[GV-VMS]



2.3 Overview

2.3.1 Main Window

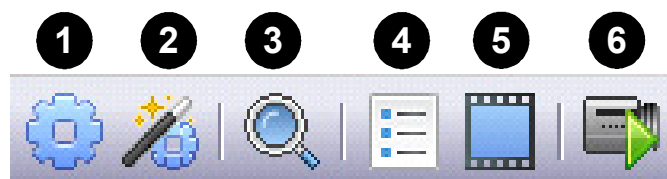
By default, there are three areas on the main window.



No.	Name	Description
1	Toolbar	Contains buttons to quickly access system settings, functions and main screen windows.
2	Host List	Contains the hosts added to the GV-Edge Recording Manager.
3	Live View Window	Displays live views from hosts.


For more details, see *1.2.2 The Toolbar*, *1.2.3 The Host List* and *4.1 The Live View Window* respectively in *GV-Edge Recording Manager User's Manual*.

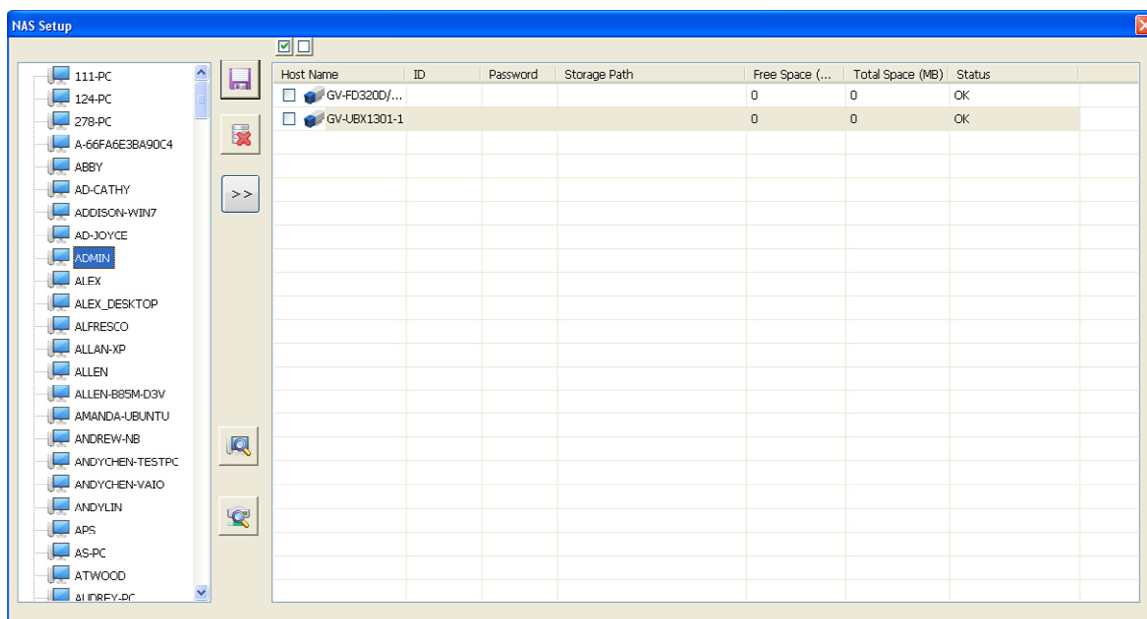
2.3.2 Toolbar




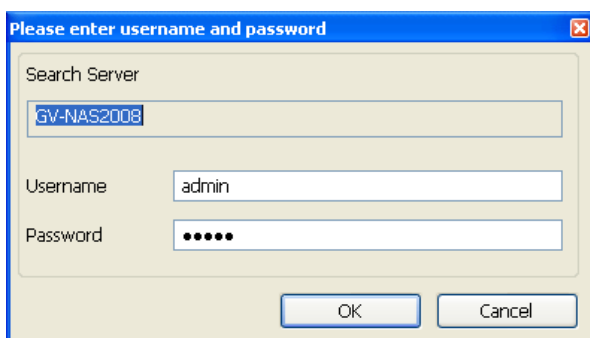
No.	Name	Description
1	Configure	Contains system settings. For details, see <i>Chapter 7 System Configuration</i> in <i>GV-Edge Recording Manager User's Manual</i> .
2	Batch Update Wizard	Contains the settings with which users can modify the IP address, device name, enable/disable recording to NAS and view storage information of multiple GV-IP Devices at the same time. For details, see <i>Chapter 3 Batch Management</i> in <i>GV-Edge Recording Manager User's Manual</i> .
3	Search Host	Searches the GV-IP Devices and the servers installed with GeoVision software under the same LAN with the GV-Edge Recording Manager. For details, see <i>2.2.1 Automatically Adding Multiple Hosts</i> in <i>GV-Edge Recording Manager User's Manual</i> .
4	Host List	Opens and closes the Host List on the main window.
5	Remote Playback	Opens and closes the Remote Playback window on the main window. For details, see <i>5. Playback</i> in the <i>Quick Start Guide</i> .
6	Live View	Opens and closes the Live View Window. For details, see <i>4.1 The Live View Window</i> in <i>GV-Edge Recording Manager User's Manual</i> .

3 Configuring the NAS

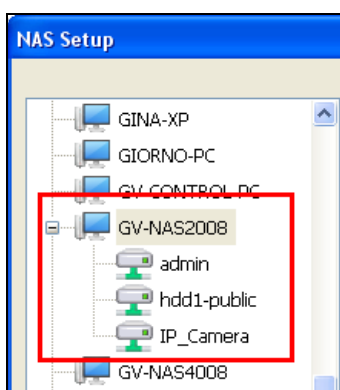
- Click the **Search for network host**  button to detect the NAS installed under the LAN. The detected network hosts are listed.



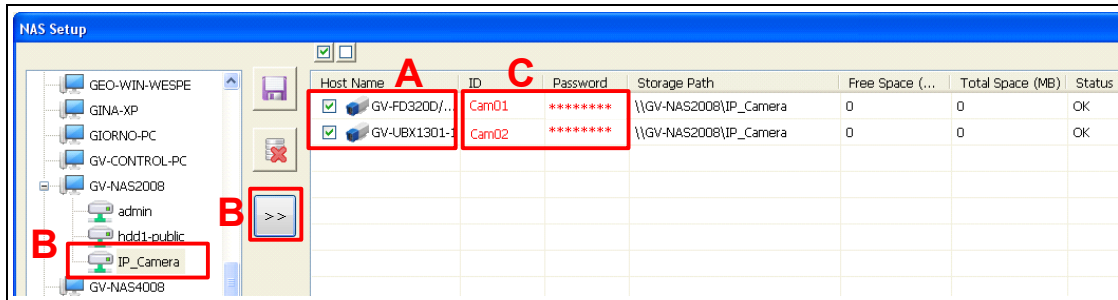
- Select a NAS from the list and click the **Search the host's network storage**  button to detect its shared folder(s). This dialog box appears.





- Type the administrator username and password of the NAS device that allows for highest level of access. The default username and password for a GV-NAS System are both **admin**. The server's folders are detected and shown.
- Expand the sever to show its folders



7. Assign storage paths for GV-IP Cameras.





- A. Select at least one camera.
 - B. Select a NAS folder and click the **Select this storage path for the device**  button to assign this storage path. The storage path appears in the Storage Path column immediately.
 - C. Type the ID and password of an established account of the NAS server. For example, for a GV-NAS System, type the default username **Cam01** and default password **12345678**.
8. Click the **Save**  button to store the settings.



Note:

1. Be sure that you assign each camera to record to a different user account in GV-NAS System to avoid disrupting the recycling process. For details, see *GV-NAS System User's Manual*.
 2. For GV-NAS2008 / 4008, the default user name is **Cam01** up to **Cam08** for each of the 8 user accounts; for GV-NAS2016 / 4016, the default user name is **Cam01** up to **Cam16** for each of the 16 user accounts. The default passwords are all **12345678**. For details, see *GV-NAS System Quick Start Guide* and *User's Manual*.
-

3.2 Changing the NAS Storage

From the NAS Setup window (step 7 in *3.1 Recording to NAS*), select a camera, select a new NAS folder and click . The new storage path is immediately assigned. Alternatively type the storage path, ID and password of a NAS folder. Click **Save**  to apply the settings.

3.3 Deleting the NAS Storage for Recording

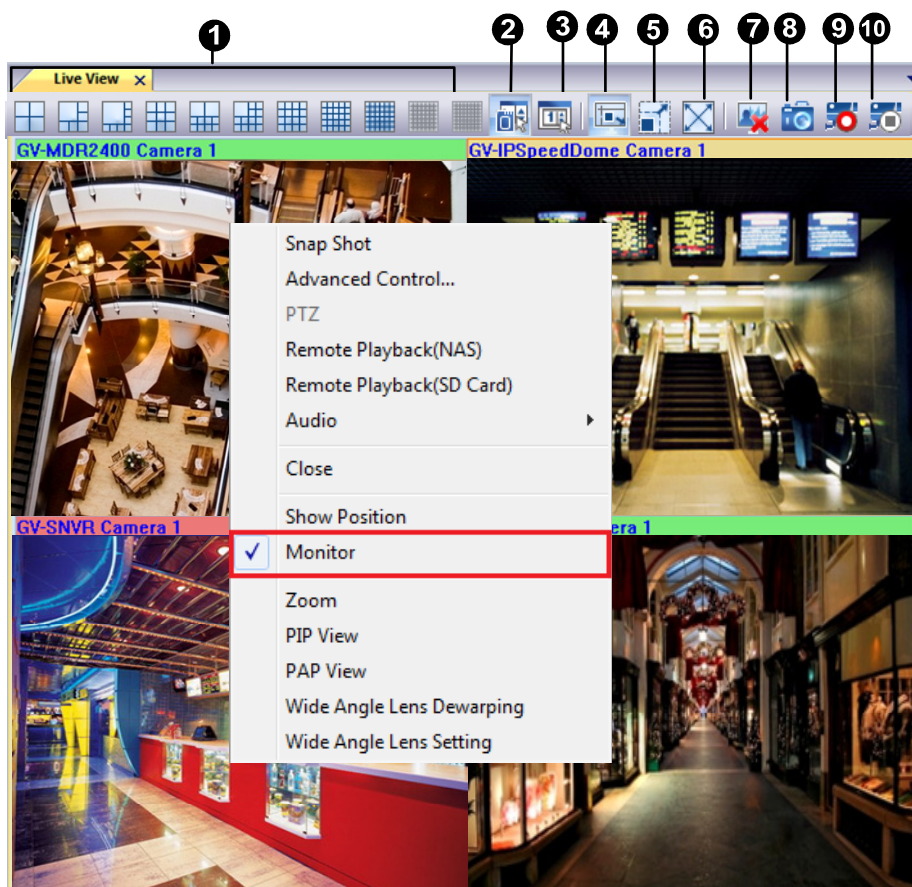
From the NAS Setup window (step 7 in *3.1 Recording to NAS*), select a camera and click the **Delete the selected storage path**  button. The storage is deleted. Click the **Save**  button to store the settings.

4. Enabling Host Monitoring




You can remotely enable the monitoring function on host using GV-Edge Recording Manager.

Note: This function is only available for GV-IP Devices. For the supported firmware versions, see *1.2 Supported GV-IP Devices and Software* in the *Quick Start Guide*.

From the Live View Window, right-click a live view channel and select **Monitor**.



The monitoring and recording status is indicated on each channel:

Channel Color	Monitoring & Recording Status
	Not under monitoring
	Under monitoring but not being recorded
	Under monitoring and is being recorded

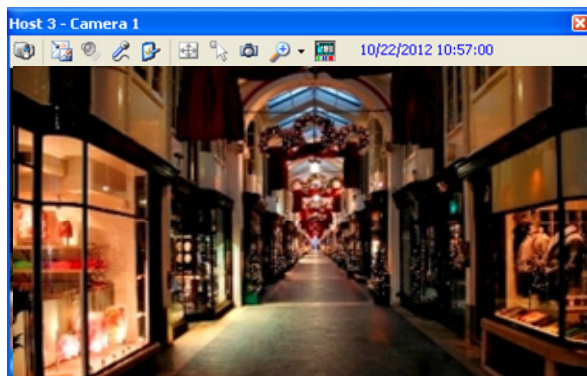
For more details on the Live View Window, see *Chapter 4 Live View* in *GV-Edge Recording Manager User's Manual*.


5. Playback

Follow the steps below to play back host event recordings on GV-Edge Recording Manager.

Note: For a GV-System / GV-VMS host, make sure **Remote ViewLog Service** (under Control Center Service) is enabled ahead to allow GV-Edge Recording Manager to remotely access the host for playback.

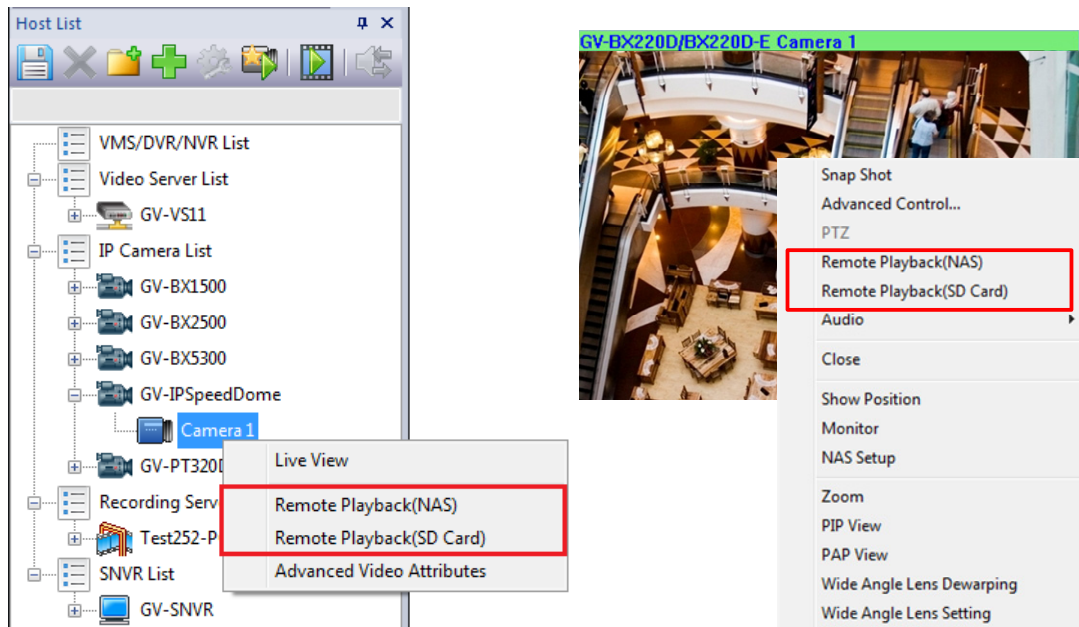
1. To play back at a pre-defined duration, follow the steps below. This feature is only supported by GV-System, GV-VMS and GV-Recording Server hosts.
 - A. Right-click a camera from the Host List and select **Live View**. A Single Live View Window appears.




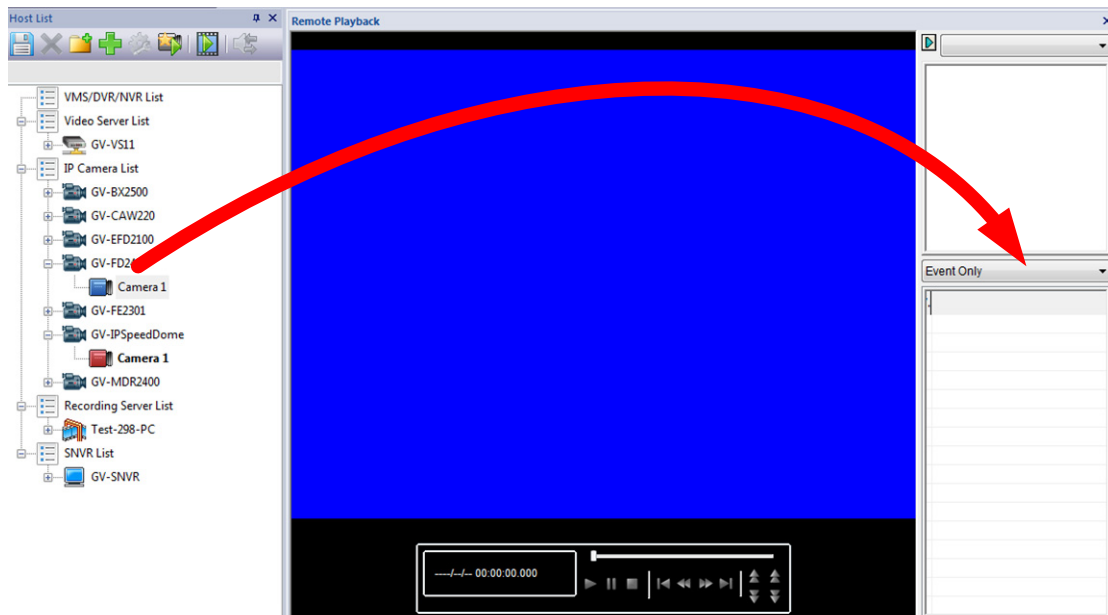
- B. From the Single Live View Window, click the **Instant Play** button  and select **10 Sec**, **30 Sec**, **1 Min** or **5 Min** for GV-System / GV-VMS and **5 Min** for GV-Recording Server.

2. To play back by event, use one of the following methods.

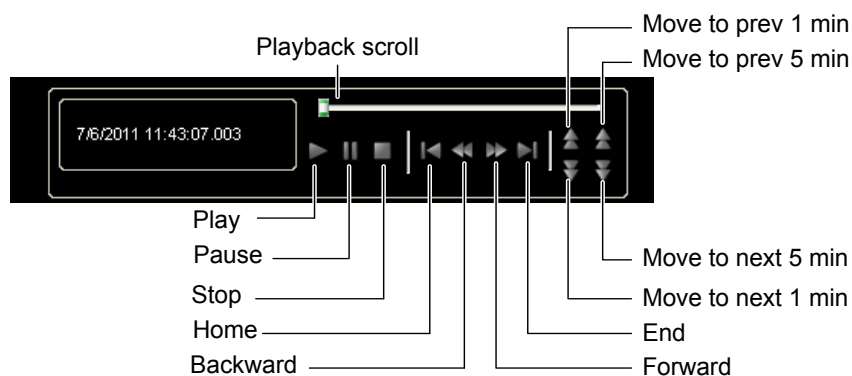
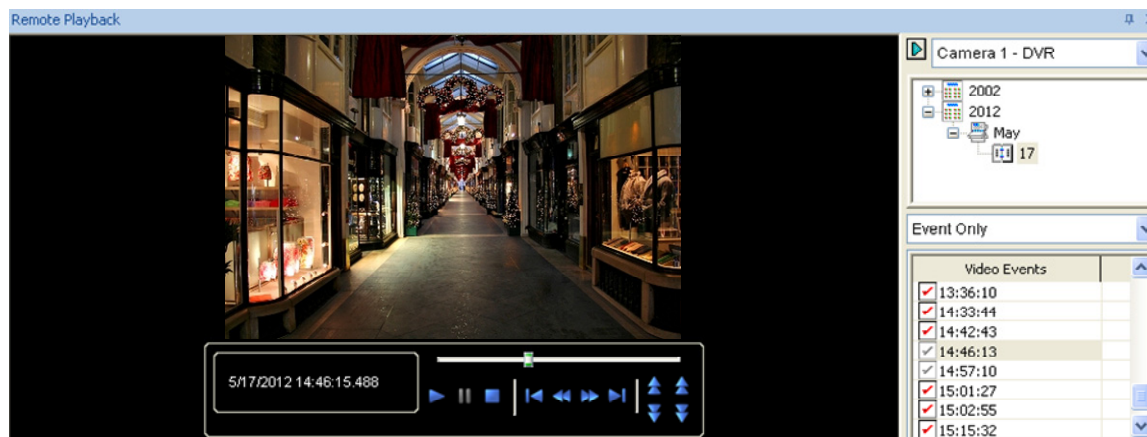
- Right-click the host from the Host List or live view and select **Remote Playback (NAS)** to play the recordings saved on a NAS system or **Remote Playback (SD Card)** to play the recordings saved on SD card.



- Click the **Remote Playback** button  on the main window and drag a camera from the Host List to the Video Event List of the Remote Playback window.



- The camera's recording is played back shortly.



- To play back another event, select the camera and then double-click an entry.

To access more playback features, see *Chapter 6 Playback* in *GV-Edge Recording Manager User's Manual*.


Mac Version



6. Getting Started

6.1 Installing the GV-Edge Recording Manager

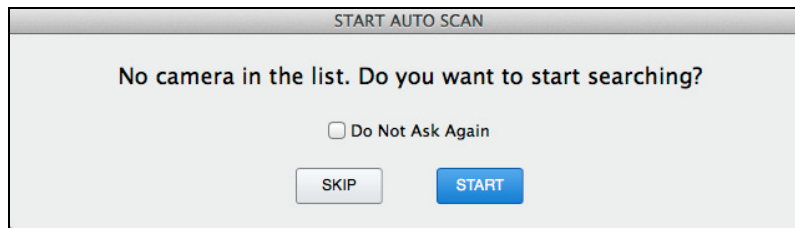
Follow the steps below to install GV-Edge Recording Manager from the GeoVision Website.

1. Go to the Software Download and Upgrading page of GeoVision Website:
http://www.geovision.com.tw/english/5_8_VMS.asp
2. Select **Video Management Software** tab, select **GV-Edge Recording Manager** from the drop-down list and click the **Download** icon  of **GV-Edge Recording Manager (Mac)**.
3. Open the downloaded folder, drag and drop the **Edge Recording Manager.dmg** file to your computer.

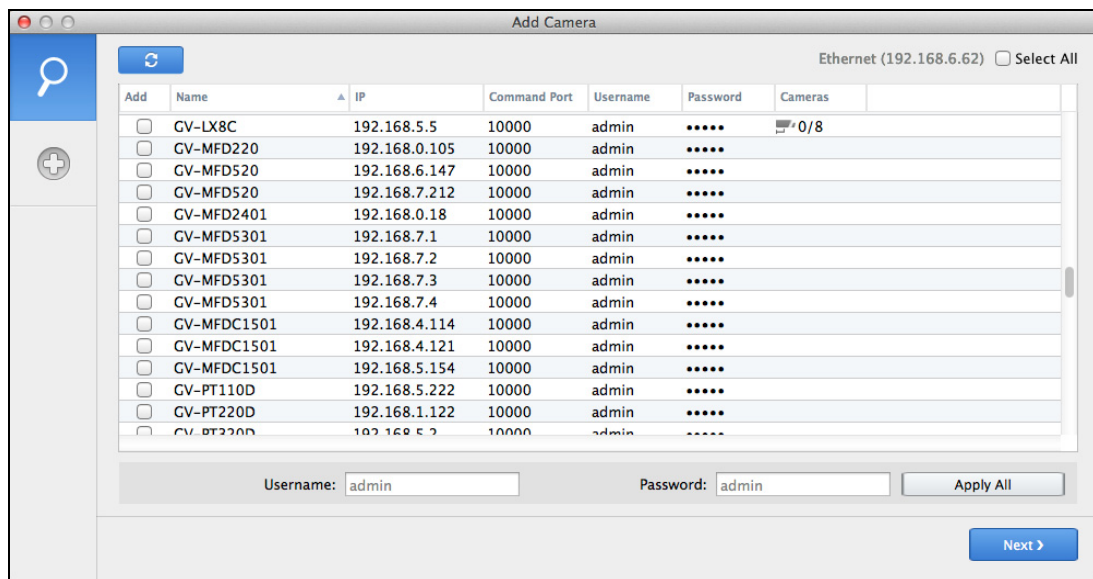
6.2 Adding Hosts

Note: To connect to GV-VMS hosts, make sure the **Webcam Server** function is enabled to allow remote access of GV-Edge Recording Manager.

1. Execute the GV-Edge Recording Manager program.
2. Upon first startup, you are prompted to search GV-IP Devices and servers installed with GeoVision software that are under the same LAN.



3. Click **Start** to search. The found devices and servers are listed.



4. To add multiple hosts:

- A. Select hosts from the Add column or click **Select All** to add all the hosts. To add a selection of hosts, click the device on the Add column.
- B. Type the username and Password and click **Apply All** to log in the selected hosts using this set of username and password. To use different sets of username and password, type the Username and Password for each camera. Click **Next**.

The screenshot shows the 'Add Camera' window. At the top right, it says 'Ethernet (192.168.6.62) ☐ Select All'. Below this is a table with columns: Add, Name, IP, Command Port, Username, Password, and Cameras. The 'Add' column contains checkboxes for each camera. The 'Username' field is set to 'admin' and the 'Password' field is set to '*****'. The 'Apply All' button is highlighted with a red box. The 'Next' button is also highlighted with a red box.

Add	Name	IP	Command Port	Username	Password	Cameras
<input type="checkbox"/>	GV-CS1310	192.168.5.237	10000	admin	*****	
<input checked="" type="checkbox"/>	GV-EBL2100	192.168.5.138	10000	admin	*****	
<input checked="" type="checkbox"/>	GV-EBX2100	192.168.7.86	10000	admin	*****	
<input type="checkbox"/>	GV-EDR2100	192.168.4.112	10000	admin	*****	
<input type="checkbox"/>	GV-EDR2100	192.168.6.144	10000	admin	*****	
<input checked="" type="checkbox"/>	GV-EFD1100	192.168.7.60	10000	admin	*****	
<input type="checkbox"/>	GV-EFD2100	192.168.7.192	10000	admin	*****	
<input type="checkbox"/>	GV-FD120D/FD121D	192.168.6.160	10000	admin	*****	
<input type="checkbox"/>	GV-FD320D/FD321D	192.168.4.18	10000	admin	*****	
<input type="checkbox"/>	GV-FD320D/FD321D	192.168.4.23	10000	admin	*****	
<input type="checkbox"/>	GV-FD320D/FD321D	192.168.5.115	10000	admin	*****	
<input type="checkbox"/>	GV-FD2410	192.168.7.77	10000	admin	*****	
<input type="checkbox"/>	GV-FD5300	192.168.7.54	10000	admin	*****	
<input type="checkbox"/>	GV-FE520	192.168.7.90	10000	admin	*****	
<input type="checkbox"/>	GV-FE7201	192.168.7.92	10000	admin	*****	

Username: admin Password: ***** Apply All

Next >

C. The selected hosts are shown.


The screenshot shows the 'Review' tab of the 'Add Camera' window. It displays a table with columns: Name, IP, Command Port, Username, Password, and Duplication. The table lists the selected cameras: GV-EBL2100, GV-EBX2100, and GV-EFD1100, all with 'YES' in the 'Duplication' column. The 'Back' and 'Apply' buttons are visible at the bottom.

Name	IP	Command Port	Username	Password	Duplication
GV-EBL2100	192.168.5.138	10000	admin	*****	YES
GV-EBX2100	192.168.7.86	10000	admin	*****	YES
GV-EFD1100	192.168.7.60	10000	admin	*****	YES

Back Apply

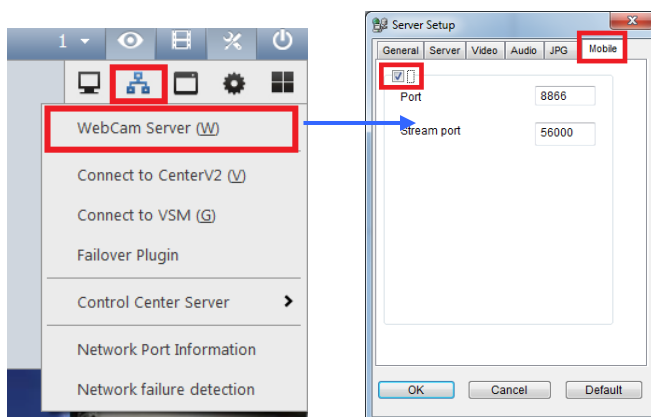
- D. To remove unwanted hosts, click **Back** to return to the previous step to unselect them. To add these hosts to Camera List, click **Apply**. They are immediately added.

Camera List		
		Name
Name	Status	IP
GV-EBL2100	disconnected	192.168.5.138
GV-EBX2100	disconnected	192.168.7.86
GV-EFD1100	disconnected	192.168.5.3

5. You can display live view using any of the following method:
- Double-click a host
 - Drag and drop a host to the live view
 - Select a host on the Camera List and click 

Note:

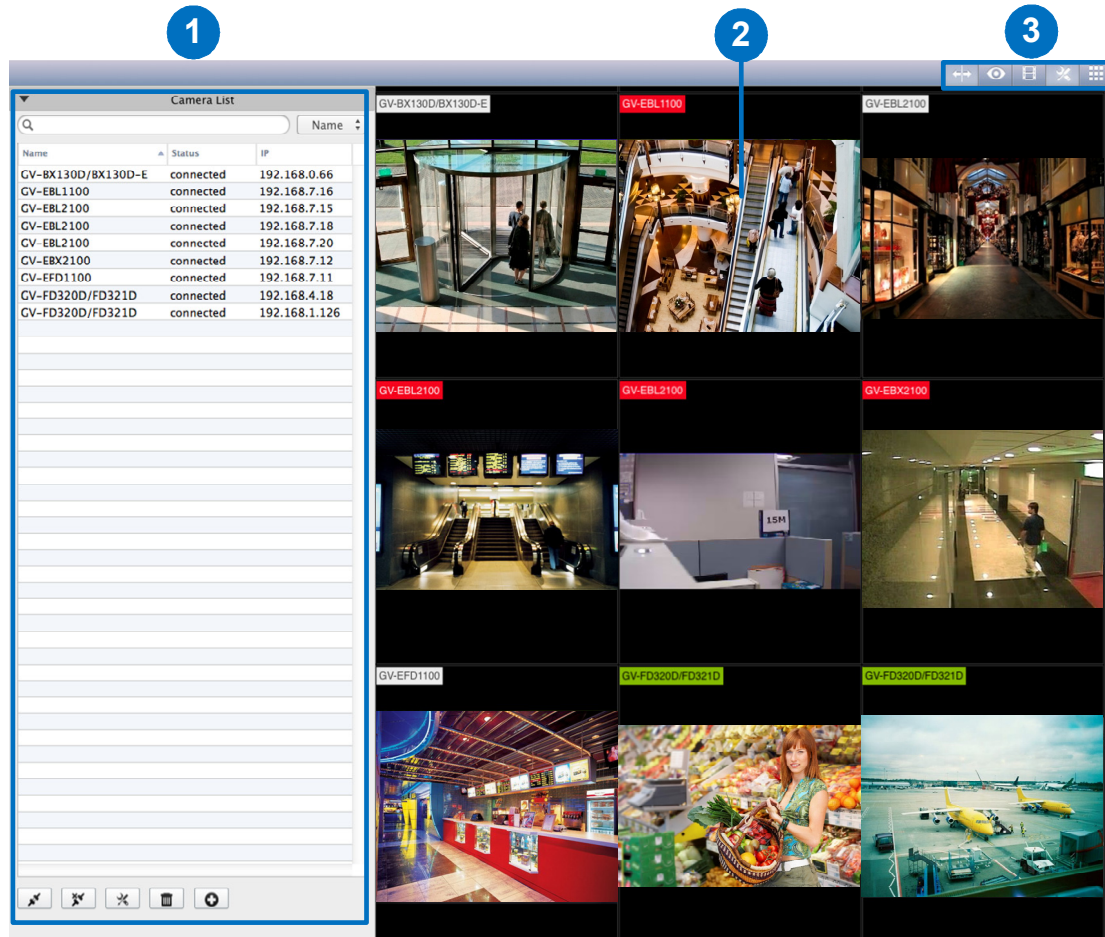
1. For more ways of adding hosts, see [9.7 Adding Hosts in GV-Edge Recording Manager User's Manual](#).
2. If a router or firewall is installed, ensure the following communication ports required by the Host Search function are open:
 - TCP/IP ports **5201** (for searching GV-VMS and **5202** (for searching GV-IP Devices)
 - Multicast port **5200**
3. If antivirus software is installed, the Host Search function may be interfered and will not detect the available hosts. In this case, turn off the antivirus software and try again.
4. To add GV-VMS hosts, make sure that **Webcam Server** with **Mobile** function is enabled ahead to allow remote access from GV-Edge Recording Manager. (Network button > WebCam Server > Mobile tab).



6.3 Overview

6.3.1 Main Window

By default, there are three areas on the main window.



No.	Name	Description
1	Camera List	Contains the hosts added to the GV-Edge Recording Manager.
2	Live View Window	Displays live views from hosts.
3	Toolbar	Contains buttons to quickly access system settings, functions and main screen windows. For details, see 6.3.2 <i>Toolbar</i> in the <i>Quick Start Guide</i> .

For more details, see 8.2 *The Camera List* and 11.1 *The Live View Window* respectively in *GV-Edge Recording Manager User's Manual*.

6.3.2 Toolbar



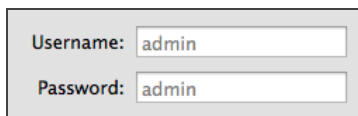
No.	Name	Description
1	Controller	Click to extend the Live View Window to full screen.
2	Event List	Displays events with event type, device name and detection time. For details, see <i>11.5 Event List</i> in <i>GV-Edge Recording Manager User's Manual</i> .
3	Remote Playback	Click to access the recording calendar which notes dates in which recordings are done. For details, see <i>9. Playback</i> in the <i>Quick Start Guide</i> .
4	Setup	Click to access the Camera List for host management. For details, see <i>8.2 The Camera List</i> in <i>GV-Edge Recording Manager User's Manual</i> .
5	Layout	Click to switch the live view division. You can choose among 1, 4, 9, 16 and 36 channels.

7. Configuring the NAS

You can set GV-IP Cameras and GV-Target Cameras to record to NAS (Network-attached Storage).

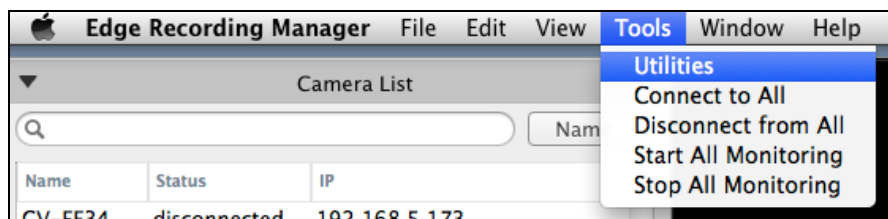
IMPORTANT:


1. For the NAS application, it is required to use GV-IP Cameras (firmware V3.0 or later) and GV-Target Cameras (firmware V1.02 or later).
2. For system performance and compatibility, it is highly recommended to use GV-NAS Systems for recording.
3. Make sure the computer installed with GV-Edge Recording Manager is under the same LAN with the NAS.
4. By default, all the username and password in the NAS application are **admin**. To use a different set of username and password, type in the Username and Password fields.




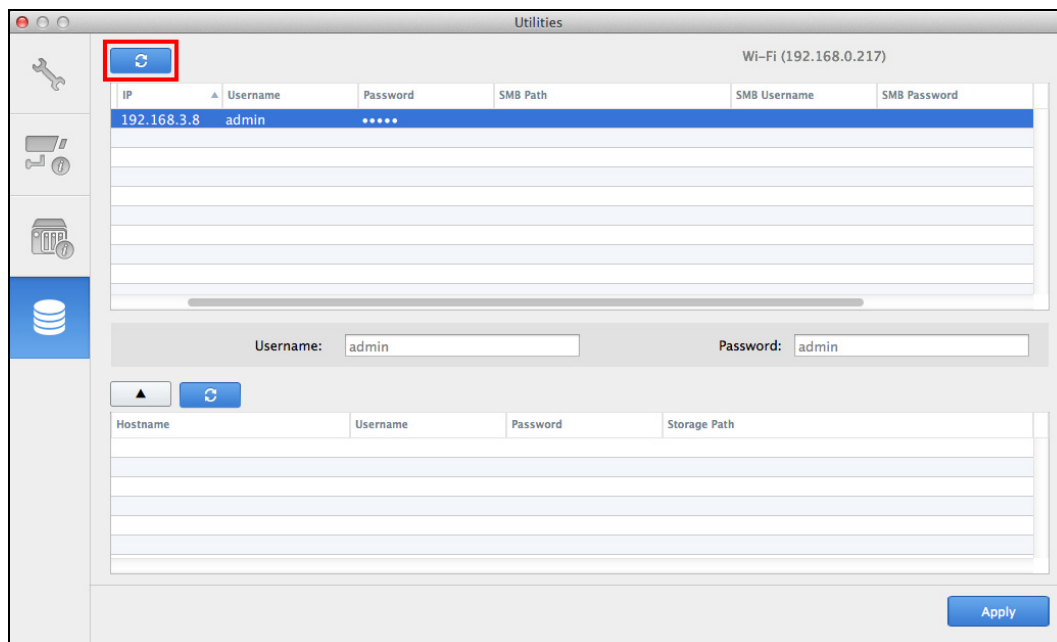
Username:	<input type="text" value="admin"/>
Password:	<input type="text" value="admin"/>

-
1. On the top of main screen, click **Tools** and then click **Utilities**. The Utilities window appears.

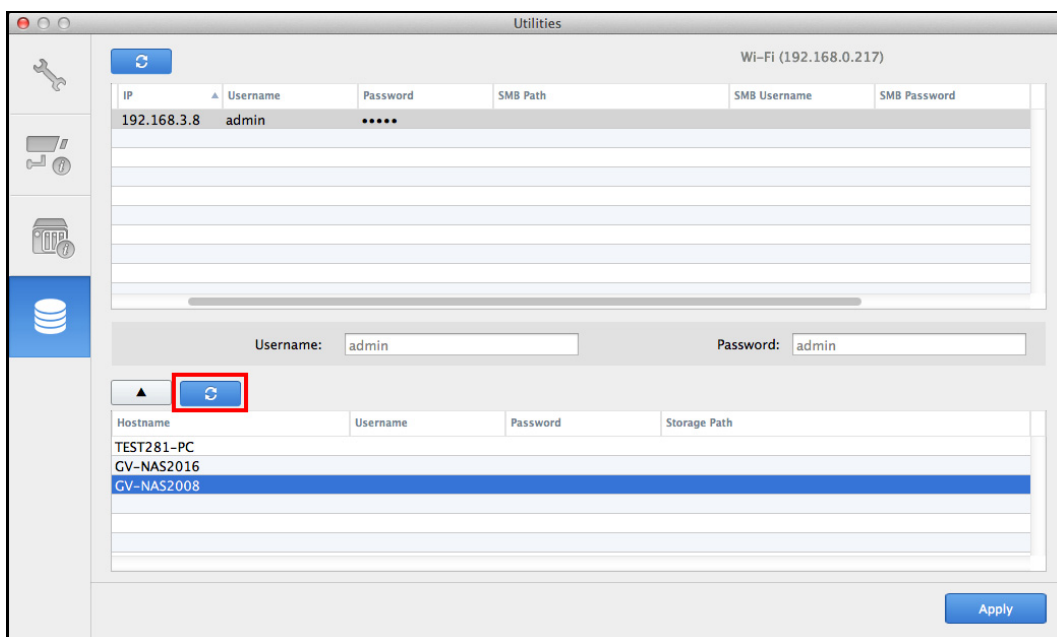


2. Click  to show the Storage Setup page.

3. Type the username and password of the cameras you wish to search and click  to browse. In this example, we search for cameras with the username and password **admin**. This dialog box appears.

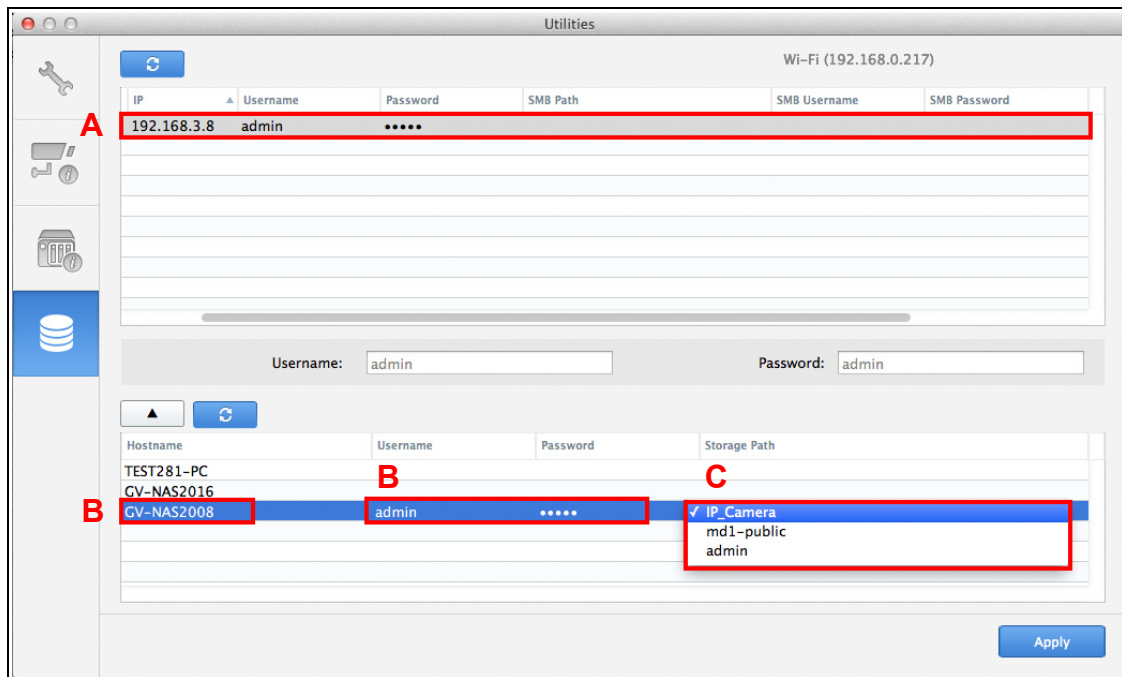



4. Select a camera and click  to browse for NAS servers under the same LAN.

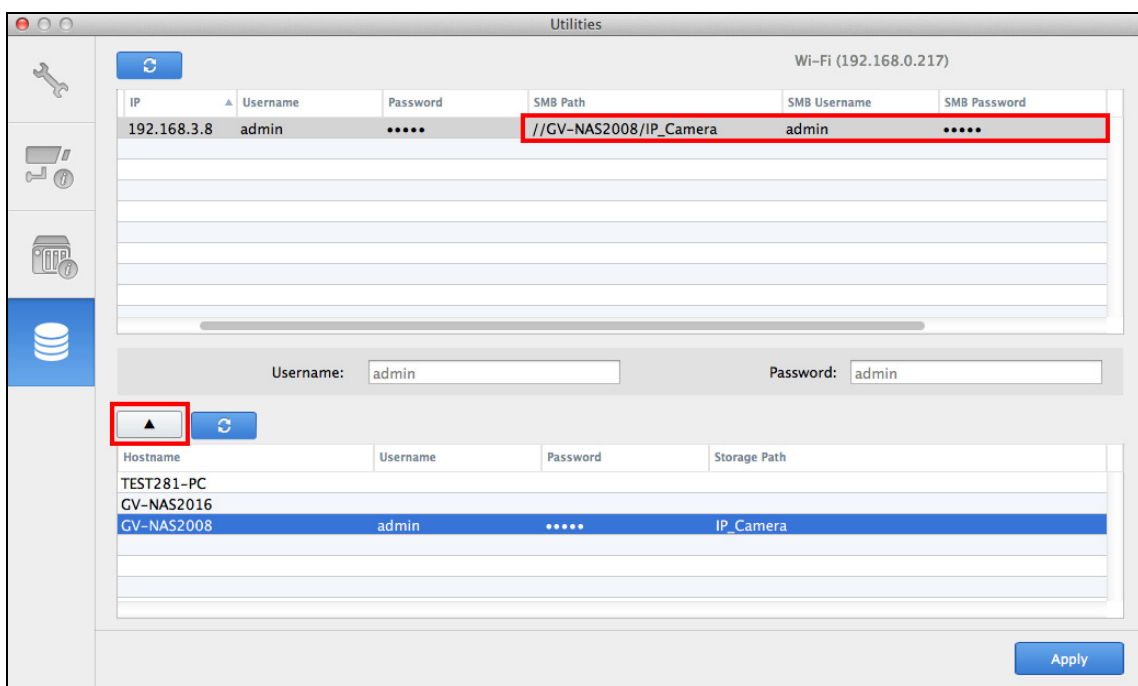


7 Configuring the NAS

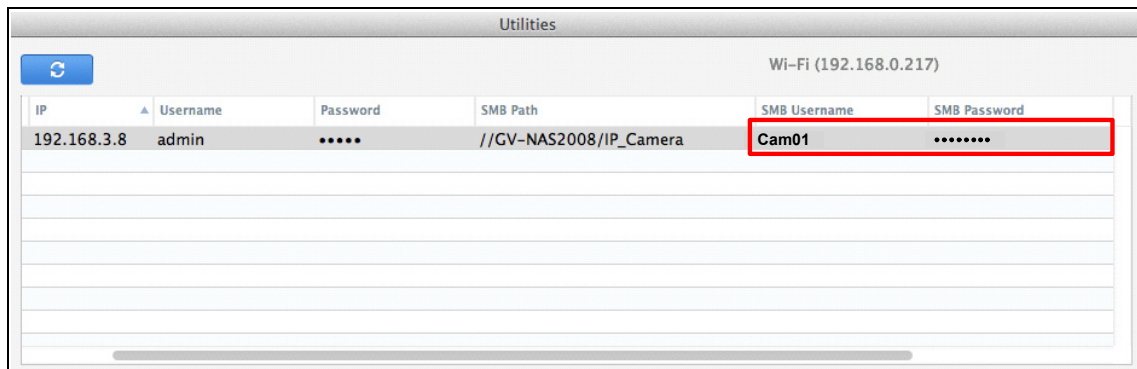
5. To assign the storage path, follow the steps below.



- A. Select a camera from the top list.
- B. Select a NAS server from the bottom list and type the administrator username and password of the NAS server. For GV-NAS Systems, the default username and password are both **admin**.
- C. Optionally click on the folder name to change the storage folder.
6. Click  to assign this path to the camera. The storage path appears immediately in the SMB Path column.



7. Type the username and password of an established account in the NAS server. For example, the default username and password for a GV-NAS System is **Cam01** and **1234578**.



The screenshot shows a 'Utilities' window with a 'Wi-Fi (192.168.0.217)' section. Below this is a table with columns: IP, Username, Password, SMB Path, SMB Username, and SMB Password. The first row contains the following values: 192.168.3.8, admin, ***** (masked), //GV-NAS2008/IP_Camera, Cam01, and ***** (masked). The 'Cam01' value in the 'SMB Username' column is highlighted with a red rectangular box.

IP	Username	Password	SMB Path	SMB Username	SMB Password
192.168.3.8	admin	*****	//GV-NAS2008/IP_Camera	Cam01	*****

8. To assign a different recording path for another GV-IP Camera, follow steps 6 and 7.
9. Click **Apply** to save the settings.

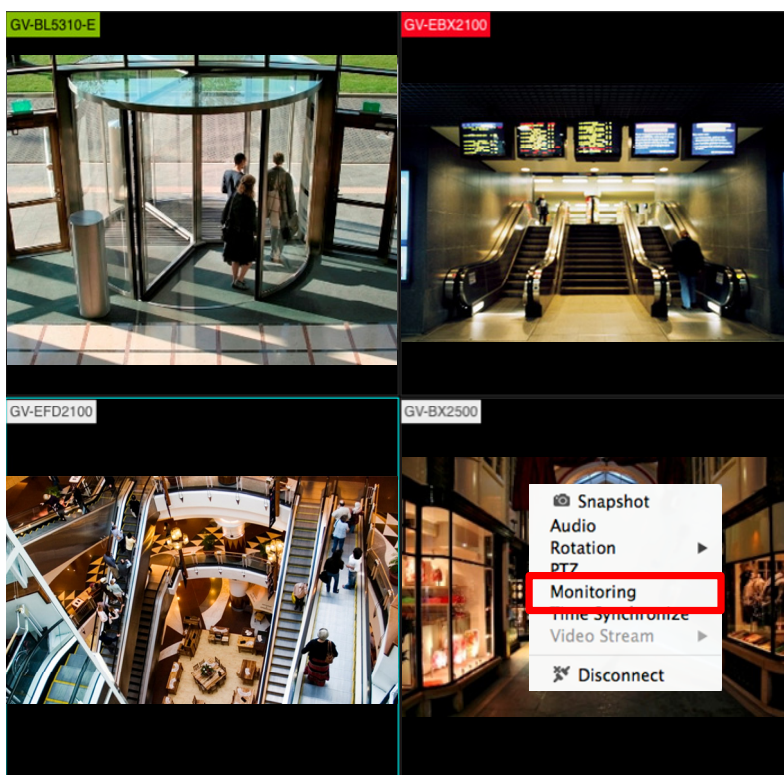
8. Enabling Host Monitoring

You can remotely enable the monitoring function on host using GV-Edge Recording Manager.

Note: This function is only available for GV-IP Devices. For details, see [1.2 Supported GV-IP Devices and Software](#) in the *Quick Start Guide*.

Enable Monitoring for a Single Channel

Right-click a live view from the Live View Window, and then select **Monitoring**. Select the same option again to disable.

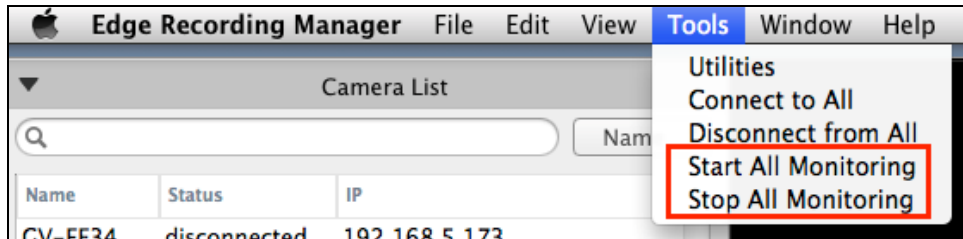


The monitoring and recording status is indicated by the color of device name on the Live View Window:

Channel Color	Monitoring & Recording Status
GV-BX2500	Not under monitoring
GV-BL5310-E	Under monitoring but not being recorded
GV-EBX2100	Under monitoring and is being recorded

Enable Monitoring for All Channels

From the top of the main screen, select **Tools** and then select **Start All Monitoring**. To disable monitoring, select **Tools** again and then select **Stop All Monitoring**.





For details on the Live View Window, see *Chapter 11 Live View* in *GV-Edge Recording Manager User's Manual*.

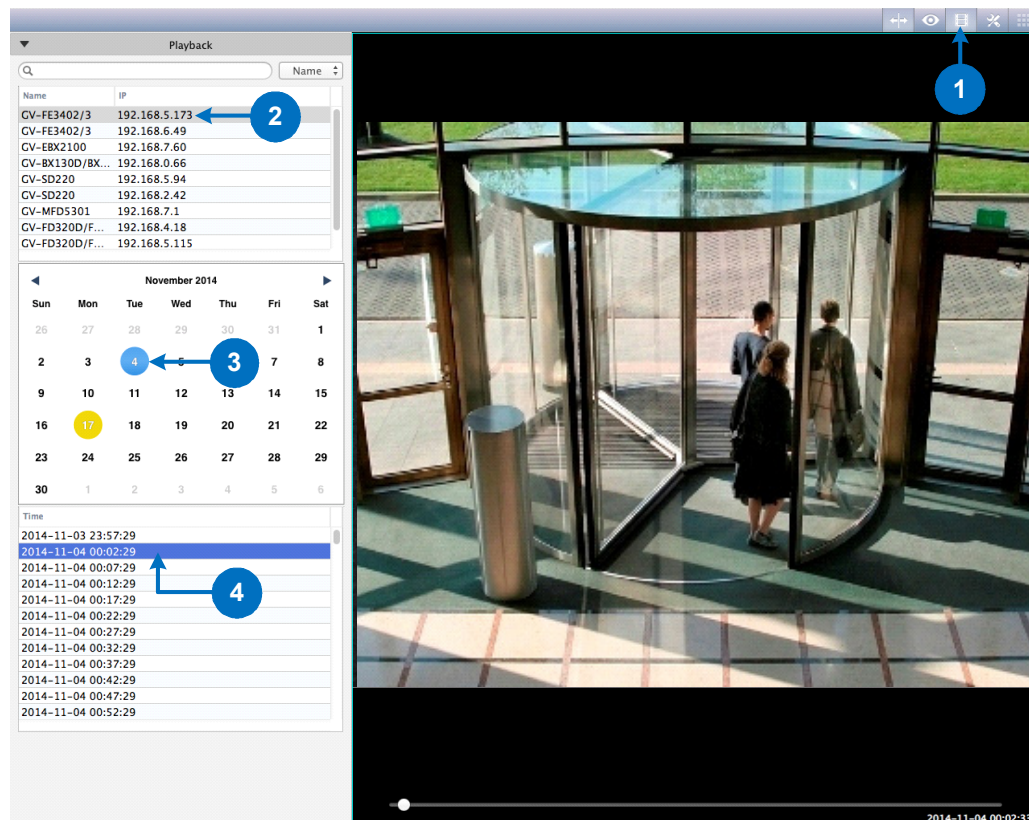
9. Playback

You can remotely play back host recordings on GV-Edge Recording Manager. Follow the steps below to playback:

Note: For a GV-VMS host, make sure **Remote Viewlog Service** (under Control Center Service) is enabled ahead to allow GV-Edge Recording Manager to remotely access the host for playback.

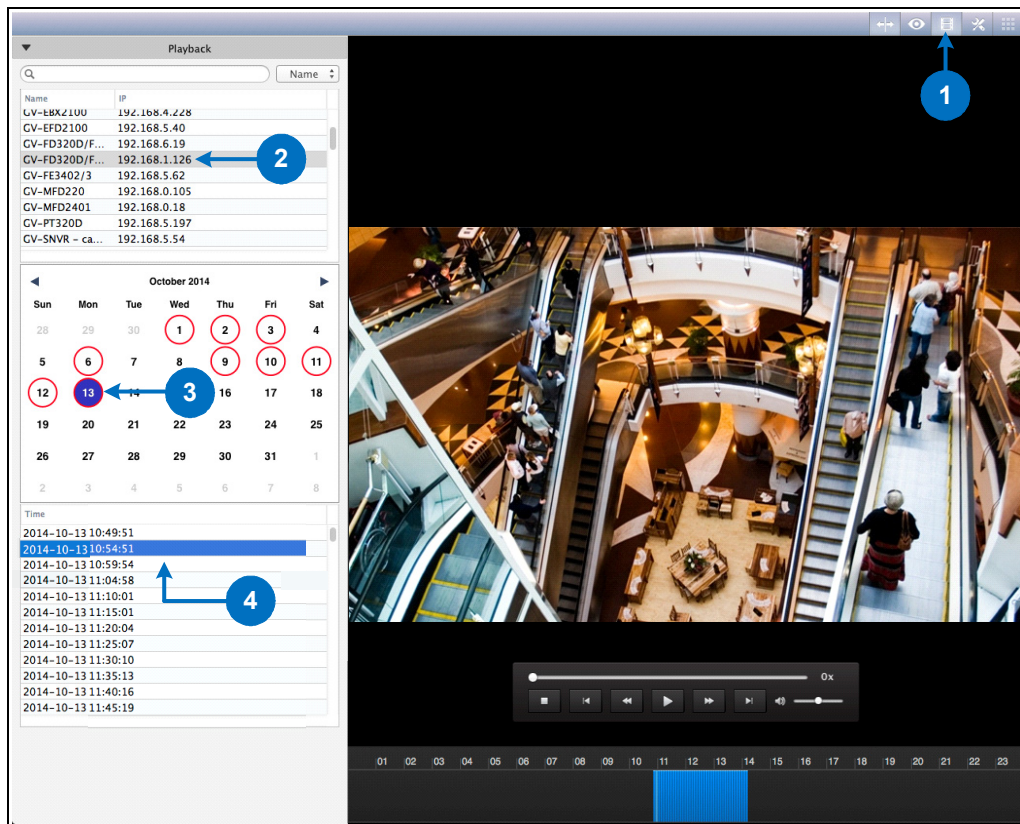
1. Click the **Playback** button  on the main window. The Playback page appears.
2. Select a device from the left. A calendar appears below.
3. Click to select a date for playback. Recordings of the selected date are listed (if any).
 - On AVI Player: The current date is highlighted yellow and the selected date blue.
 - On MPEG4 Player: The current date is highlighted blue, the selected date blue and dates with recordings are circled red.
4. Click an entry and click . The recording is immediately played back.

[AVI Player] Click an entry to play back.

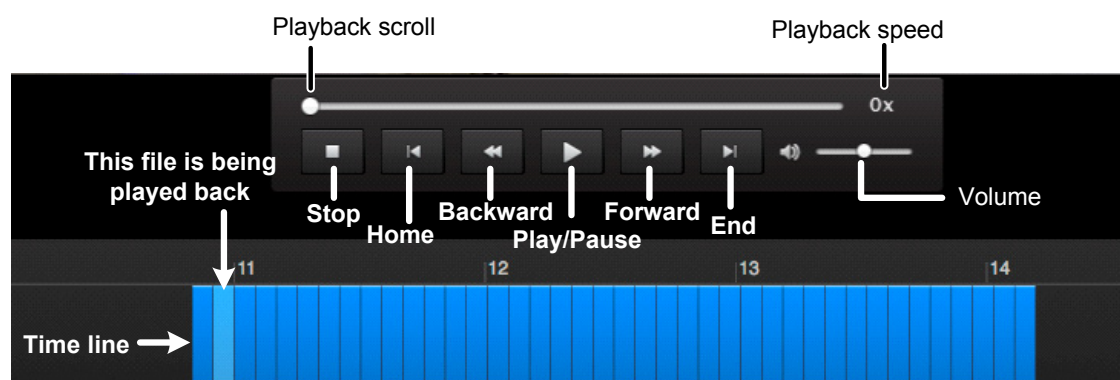


[MPEG4 Player]

Files saved on GV-NAS Systems are played back by the MPEG4 player.



The MPEG4 player contains a control panel and a timeline.



- Each recording entry is represented by a blue block. Click to play back.
- Use the mouse scroll to change the displayed hours of the timeline.
- Hold and drag the hour numeral to move to different parts of the timeline.