

# **Quick Start Guide**

# **GV-Recording Server V1.1.1**



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

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# ) Introduction

Welcome to the *GV-Recording Server Quick Start Guide*. This quick guide will guide you through the basic installation of GV-Recording Server, connecting to IP video devices and distributing to clients. For the detailed user manual, see the *GV-Recording Server User Manual* on the Software DVD.

# **Packing List**

- Software DVD
- GV-USB Dongle

The GV-USB Dongle supports connection with up to 128 IP channels. GV-Video Gateway dongle comes in two types, internal and external dongles. GV-Recording Server dongle comes in internal type. The following dongle options are available:

GV-Video Gateway Only (without recording functions):

• Third-party IP devices (includes GV-IP devices): 128 IP channels.

### GV-Recording Server (full functions available):

- GV-IP video devices only: 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100, 104, 108, 112, 116, 120, 124, 128 IP channels.
- Third-party IP devices (includes GV-IP devices): 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100, 104, 108, 112, 116, 120, 124, 128 IP channels.

**Note:** To see how to install the internal GV-USB Dongle, refer to *Appendix D. Install the Internal USB Dongle* in the *GV-Recording Server User Manual.* 

# **Minimum System Requirements**

Servers meeting the following minimum system requirements have the capacity to receive up to 128 channels and transmit up to 300 channels with the image settings of 1280 x 1024 resolution, 30 fps and H.264 / MPEG4 codec for each channel.

	OS	64-bit Windows 7 / Server 2008
	CPU	Core i5 750, 2.67 GHz
	Memory	4 GB Dual Channels (without recording)
		6 GB Dual Channels (with recording)
	Hard Disk	1 GB (for installation)
	Browser	<ul> <li>Internet Explorer 8.0.7600.16385</li> </ul>
		<ul> <li>Internet Explorer 9.00.7930.16406</li> </ul>
		• Firefox 3.6.13
		Google Chrome 9.0.597.94
		• Safari 5.33.19.4
	LAN	Gigabit Ethernet X 1
	Hardware	GV-Video Gateway: Internal or external USB Dongle
		GV-Recording Server: Internal USB Dongle

#### Note:

- 1. Memory required varies depending on the number of channels and resolution of videos received.
- 2. The 1 GB hard disk requirement is for installation of GV-Recording Server only. To see hard disk requirements for recording, refer to *Recommended Hard Disk Requirements*.
- 3. In order to receive 128 channels and transmit up to 300 channels with the image settings of 1280 x 1024 resolution, 30 fps and JPEG codec for each channel, Gigabit Ethernet x 6 is required.
- 4. Firefox, Google Chrome and Safari users can only access single live view with Quick Time player and cannot play back recorded files.

# **Optimal System Requirements**

Servers meeting the optimal system requirements have the capacity to perform one of the following:

- Receive up to 128 ch and transmit up to 300 ch with the image settings of 1280 x 1024 resolution, 30 fps and JPEG codec for each channel. OR
- Receive up to 128 ch and transmit up to 128 ch with the image settings of 1920 x 1080 resolution, 30 fps and JPEG codec for each channel. OR
- Receive up to 128 ch and transmit up to 128 ch with the image settings of 2048 x 1536 resolution, 20 fps and JPEG codec for each channel. OR
- Receive up to 128 ch and transmit up to 300 ch with the image settings of 1280 x 1024 or 1920 x 1080 resolution, 30 fps and H.264 / MPEG4 codec for each channel. OR
- Receive up to 128 ch and transmit up to 300 ch with the image settings of 2048 x 1536 resolution, 20 fps and H.264 codec for each channel.

OS	64-bit Windows 7 / Server 2008
CPU	Core i7 920, 2.67 GHz
Memory	6 GB Dual Channels (without recording)
	8 GB Dual Channels (with recording)
Hard Disk	1 GB (for installation)
Browser	Internet Explorer 8.0.7600.16385
	<ul> <li>Internet Explorer 9.00.7930.16406</li> </ul>
	• Firefox 3.6.13
	Google Chrome 9.0.597.94
	• Safari 5.33.19.4
LAN	Gigabit Ethernet X 6
Hardware	GV-Video Gateway: Internal or external USB Dongle
	GV-Recording Server: Internal USB Dongle

#### Note:

- 1. Memory required varies depending on the number of channels and resolution of videos received.
- 2. The 1 GB hard disk requirement is for installation of GV-Recording Server only. To see hard disk requirements for recording, refer to *Recommended Hard Disk Requirements*.
- 3. Users of Firefox, Google Chrome and Safari can only access single live view with QuickTime player and cannot play back recorded files.

# **Recommended Hard Disk Requirements**

The recommended hard disk requirements are listed as below.

			Motion	F	Round-the-Clock	(
Resolution	Frame rate	Codec	Max. channel per hdd	Max. channel per hdd and required hdd capacity	Hdd capacity required (Recording 128 ch, 24 hr)	Hdd requirements for 24 hr recording (7200RPM hdd, SATA3)
1.3 M	30 fps	H.264 /	10 ch	32 ch / 2.5 TB	10 TB	3 TB hdd x 4
		MPEG4				
		JPEG	N/A	8 ch / 2.7 TB	43.2 TB	3 TB hdd x 16
2.0 M	30 fps	H.264	7 ch	21 ch / 2.2 TB	13.5 TB	3 TB hdd x 7
		JPEG	N/A	5 ch / 2.5 TB	64 TB	3 TB hdd x 26
3.0 M	20 fps	H.264	10 ch	32 ch / 3 TB	12 TB	3 TB hdd x 4
		JPEG	N/A	4 ch / 2 TB	64 TB	3 TB hdd x 32

#### Note:

- 1. The number of hard drive required varies depending on the write speed of the hard drive and the hard disk size required varies depending on the recorded file size and bitrate. The recommended hard disk requirement is just for your reference.
- 2. Motion detection is not supported when codec is set to JPEG.

# **Network Requirements**

The server's transmitting capacity varies depending on the number of Gigabit connections:

- 1 Gigabit connection: Transmits up to 75 channels.
- 2 Gigabit connections: Transmit up to 150 channels.
- 3 Gigabit connections: Transmit up to 225 channels.
- 4 Gigabit connections: Transmit up to 300 channels.

**Note:** The data above was determined with the image settings of 1280 x 1024 resolution, 13.5 Mbps bitrate, 30 fps and JPEG codec for each channel. The network requirements may vary depending on the bit rate of the streams.

The deployment of Gigabit connections for transmitting and receiving is suggested as illustrated below. Ensure to run every Gigabit connection on a different network in order to reduce the lag on any network connection.



# **Compatible Versions of GeoVision Applications**

- GV-System, GV-Control Center, Multi View, Multicast: version 8.4 or later. GV-System V8.4 only supports single streaming from the GV-Recording Server. GV-System V8.5 can support dual streaming from the GV-Recording Server.
- GV-GIS: version 3.0 or later.

# C) Installation

# Installing the GV-Recording Server

- 1. Insert GV-USB Dongle and Software DVD to a dedicated computer or server. A window appears.
- To install USB driver, select Install or Remove GeoVision
   GV-Series Driver and click Install GeoVision USB Devices Driver.
- 3. To install .Net Framework, select **Download Microsoft .NET** Framework 3.5.
- 4. To install GV-Recording Server, select **Install GeoVision Paid Software** and then select **GV-Recording Server**.



# Starting the GV-Recording Server

After installing GV-Recording Server, the GV-Recording Server icon

 Image: Organized and the system tray.
 201 AM

 Image: Organized and the system tray.
 Follow the steps below to access the Web interface of GV-Recording Server.

- 1. The default **HTTP** port is 80 and the **Command** port is 20000. To customize the port number, right-click the GV-Recording Server icon and select **Configure**.
- 2. Right-click the GV-Recording Server icon and select Start Service.
- 3. After the GV-Recording Server icon turns green, right-click the icon again and select **Access Web Interface**. You can also access the Web interface from a remote computer by typing the IP address in the Internet browser. The Web interface login page appears.

	http://192.168.0.153/Geo Login.php	Q
Favorites		
	Recording Server	
	Language : English	
	ID :	
	Password :	
	Enter the characters 2932. shown in the image :	
	Remember my account and password.	
	Login	
	Forget Password	

- 4. Type the **ID** and **Password**. The default login name and password for the Administrator are **admin**.
- 5. Type the verification number shown in the image.
- 6. Click **Login**. The GV-Recording Server Web interface is now displayed.

For more details, see 2.2 Starting the GV-Recording Server in the GV-Recording Server User Manual.

#### Note:

- 1. To enable the image updating in Internet Explorer, you must set your browser to allow ActiveX Controls and perform a one-time installation of GeoVision's ActiveX component onto your computer.
- If the GV-Recording Server is installed behind a firewall or router, you may need to open these default ports: HTTP port 80, server connection port (Active connection port) 11000 and passive connection port 50000, remote playback (Remote ViewLog) port 5552.

# Connecting to IP Devices

When logging in the GV-Recording Server for the first time, the Install Wizard will be prompted to help you add IP video devices, assign storage path to store recorded files and start connections to IP devices.

**Note:** To start the Install Wizard manually, click **Install Wizard** under the Server section in the left menu.

### **Adding IP Video Devices**

1. When the Install Wizard is launched, the GV-Recording Server automatically detects available IP video devices under LAN. This dialog box appears.

9	Search					
Ne Int	twork erface Card:	Intel(R) PRO/1000	CT Network Cor	nnection - Packet S	Schedi 🔽	
<b>V</b>	Host Name 🔺	Device Name	IP Address	Mac Address	Number of camer	
1	GV-PT110D	GeoVision_GV-P	192.168.1.102	0013e202331b	1	1
V	GV-PTZ010D	GeoVision_GV-P	192.168.3.32	0013e20232df	1	
V	GV-PTZ010D	GeoVision_GV-P	192.168.1.104	0013e20232de	1	
1	GV-PTZ010D	GeoVision_GV-P	192.168.3.137	0013e2023310	1	1
	pe celected - 89					

- 2. If you have multiple network interface cards, use the drop-down list to select one and click **Search**.
- 3. Select the IP video devices you want to establish active connection with.
- 4. Click **Add** and map the device to a channel. The Working Camera List appears.

Vorking Can	nera List						
Add - 🖨	IP Device List 🔍 Sear	ch 🖉 Edit 👻 🗱 D	elete 🔘 Ma	x Camera Numbe	32	▼ (i)	
Channel	Display Name	Host Name	Camera Name	IP Address	Port	Device Name	
1	GV-IPCAM1.3M	GV-IPCAM1.3M	Camera1	192.168.1.13	10000	GeoVision_GV-IP Ca	~
2	Cloud-xp1-Camer	Cloud-xp1	Camera2	192.168.3.38	11000	GeoVision_GV-Video	
3	Cloud-xp1-Camer	Cloud-xp1	Camera3	192.168.3.38	11000	GeoVision_GV-Video	
4	GV-IPSpeedDom	GV-IPSpeedDome	Camera1	192.168.3.184	10000	GeoVision_GV-SD010	~

- The GV-Recording Server will try to connect to the devices using admin as the default ID and password. To connect with other ID and password, select the camera, click the Edit button *letter* and select Host Setting. In the dialog box, select Change ID and Password, type a new ID and password and click OK.
- 6. Click Save and click Next Page.

# **Assigning Storage Paths**

1. In the Storage Path page, click the **Add** button to add a new storage folder in a different disk drive, or select an existing storage folder.

🕂 Add 💢 Delete	Camera Number ~ Velect
Storage1	Gamera List
Storage2	GV-IPCAM1.3M-Camera1
Storage3	Cloud-xp1-Camera2
E Storage4	Cloud-xp1-Camera3
	GV-IPSpeedDome-Camera1

2. Use the default storage path, or click the **Add** button to select a new storage path.

- Hon the De	elete		Camera Number ~ 🖌 🖌 Seler
E Storage1			🖃 💼 🔲 Working Camera List
E Storage2			GV-IPCAM1.3M-Camera1
E Storage3			Cloud-xp1-Camera2
E Storage4			Cloud-xp1-Camera3
			GV-PSpeedDome-camer
Add 💥 Del	ete		1
Add 💥 Del	ete Disk Space	Free Space	
Add X Del itorage Path	ete Disk Space 56.41GB	Free Space 4.77GB	

- In the Working Camera List section, type a range of camera number and click the Select button. You can also select the Working Camera List checkbox to select cameras individually. Videos of the cameras selected will be recorded to the storage path indicated.
- 4. To specify a recycle threshold, select **Recycle** and type a minimum free space. When the remaining free space falls below the threshold, the oldest files will be overwritten.
- 5. Click Save and click Next Page at the lower-right corner of the page.

### **Starting Service**

- 1. In the Service page, to be able to receive and record IP channels, select **Start** for Recording Server.
- 2. To enable the video gateway to transmit video to clients, select **Start** for Video Gateway.



3. Click **Save** and click **Done**. The Camera Connection Information page appears and shows the connection status of the camera added.

Camera Conn	anera Connection Information								
Update Period(sec.)	5 🗸	🔍 Preview 🖽 I	Multi Windows						
Channel 🔺	Host Name	Camera Name	IP Address	Status	Write Speed	Start Time	Elapsed Time	Record Policy	
001	Axis 206	Camera1	<u>192.168.0.16</u>	\varTheta Recording 🔍	248.9Kbps	2021/01/27 15:24	00:01:12	Round the Clock	~
002	Axis 207MW	Camera1	<u>192.168.0.16</u>	\varTheta Recording 🔍	248.9Kbps	2021/01/27 15:24	00:01:12	Round the Clock	=
003	Arecont_AV1300	Camera1	<u>192.168.0.16</u>	\varTheta Recording 🔍	248.9Kbps	2021/01/27 15:24	00:01:12	Round the Clock	_
004	Sony_DF50N	Camera1	192.168.0.16	🥥 Recording 🔍	248.9Kbps	2021/01/27 15:24	00:01:12	Round the Clock	
005	Sony_DF80N	Camera1	192.168.0.16	\varTheta Recording 🔍	248.9Kbps	2021/01/27 15:24	00:01:12	Round the Clock	
006	Sony_DF85N	Camera1	<u>192.168.0.16</u>	\varTheta Recording 🔍	248.9Kbps	2021/01/27 15:24	00:01:12	Round the Clock	
007	VIVOTEK FD8161	Camera1	192.168.0.16	🥥 Recording 🔍	248.9Kbps	2021/01/27 15:24	00:01:12	Round the Clock	
008	VIVOTEK FD8361	Camera1	<u>192.168.0.16</u>	\varTheta Recording 🔍	248.9Kbps	2021/01/27 15:24	00:01:12	Round the Clock	-
📀 Status : Loadin	g data succeeded.							2011/1/27 3:25	5:44 PM

After adding camera, refer to *5.2.2 Camera Setting* in the *GV-Recording Server User Manual* to see how to customize camera settings such as setting video attributes, recording policy and recording schedule.

**Note:** The GV-Recording Server is compatible with the following third-party IP device brands: **Arecont Vision**, **AXIS**, **HikVision**, **Panasonic**, **Sony**, **VIVOTEK** and protocols: **ONVIF**, **PSIA**, **RTSP**. To see the supported models for each brand, refer to the Supported IP Camera List at http://www.geovision.com.tw/english/4\_21.asp. To see how to add IP devices using protocols, refer to *5.2.1 Install Camera* in the *GV-Recording Server User Manual*.

# ) Active and Passive Mode

There are two ways to establish connection with IP video devices, **active connection** where GV-Recording Server initiates the connection and **passive connection** where the GV-IP video device initiates the connection. IP devices added with the Install Wizard introduced in section 3 is using active connection.



#### Note:

- 1. Passive connection is only supported for GV-IP devices.
- 2. Two-way audio communication is only supported for GV-IP devices through active connection.

# **Passive Connection**

To create passive connection, the GV-Recording Server must be configured to allow connections from GV-IP video devices.

To allow passive connection on GV-Recording Server:

- 1. In left menu, select General Setup.
- 2. Select **Allow Geo IP Device Login**. The default ID and Password to log onto the GV-Recording Server is **admin**, and the default port value is 50000. If you change the ID and Password, they must match the same settings configured on the GV-IP device.

General setup	
erver Name:	WIN-CE1CLJC2QUP
Command Port:	20000
Auto Start Recording:	O Yes
	⊙ No
Database keep days(0~30):	30
Allow Geo IP Device Login	
Iser Name:	admin
assword:	••••
Connact Bort	50000

3. Click Save.

### To access GV-Recording Server on GV-IP devices:

The GV-IP device must also be configured to access the GV-Recording Server.

1. Access the **Video Gateway / Recording Server** setting page on the Web interface of the GV-IP device.

🚖 Favorites 🛛 🚔 🌄 Suggested Sites 🔻 🔊 Web	o Slice Gallery 🔻	
Geovision GV-BX110D Web-Manager		
C Geollision	Connection 1   Connection 2	
* Video and Motion	. Video Gateway / Recording S	erver
* NO Control	In this section you can configure the connection	to Video Gateway and tasks to perform
* Events and Alerts	in this section you can compute the connector	the fine of the last of periods
* Email	Video Gateway server / Recording Server	
, EIB		
* Center V2	Activate Link	
* <u>VSM</u>	Host name or IP Address:	192.168.0.67
* Backup Center	Port number:	50000
* Video Gateway/Recording Server	User Name:	admin
* Viewlog	Password.	
* RTSP/JGPP	Cease motion detection messages from	Select all Streaming 1 Streaming 2
* Monitoring	Cease input trigger message from	Select all Input 1
Recording Schedule	Enable schedule mode	E3
* Remote Viewlog		
* Network	Apply	
Management		
Lodont		

- 2. Select Activate Link.
- 3. Type IP address or domain name of the GV-Recording Server.
- 4. Keep default port number as 50000. Otherwise modify the port number to match the connect port specified in General Setup page on the GV-Recording Server.
- 5. Type **User Name** and **Password** to log onto the GV-Recording Server. These user name and password must match the settings configured on the GV-Recording Server. The default values for both login username and password are **admin**.
- 6. Click **Apply** to start connection. When the connection is established, the following message will be displayed at the bottom of the Web interface.

	Connection Status
	Status: Connected. Connected Time: Wed Jan 19 15:52:38 2011
l	

To start passive connection on GV-Recording Server:

1. On the GV-Recording Server, select **Install Camera** in the left menu. This dialog box appears.

Wo	rking Can	nera List						
+	Add - 🗃	IP Device List 🔍 S	earch 🥖 Edit 🔹 🎖	🕻 Delete 💿	Max Camera Number 32	~	(	
	Channel	Display Name	Host Name	Camera Name	IP Address	Port	Device Name	
V	1	GV-FE420-Came	GV-FE420	Camera1	192.168.3.199	10000	GeoVision_GV-FE42	
E	2	VS04A-Joyce-C	VS04A-Joyce	Camera2	192.168.1.21	10000	GeoVision_GV-VS04A	
	3							
	4	VS04A-Joyce-C	VS04A-Joyce	Camera4	192.168.1.21	10000	GeoVision_GV-VS04A	-
	5	DVR-FE110-Cam	DVR-FE110	Camera1	192.168.2.110	10000	GeoVision_GV-FE11	
E	6	Demo-GV-FE110	Demo-GV-FE110	Camera1	192.168.1.168	10000	GeoVision_GV-FE11	
	7	Demo-GV-MFD11	Demo-GV-MFD110	Camera1	192.168.1.164	10000	GeoVision_GV-MFD1	-
	8	Demo-GV-PT110	Demo-GV-PT110D	Camera1	192.168.2.173	10000	GeoVision_GV-PT110D	
	9							
	10							
	11							
	12							
	13							
	14							

2. Click the **IP Device List** button **P Device List** on the Working Camera List. The passive connection is listed in the **Host List**.

ost List							
Channe	Host Name	Camera Name	IP Address 🔺	Command Port	Brand	Device Name	Mac Address
Connec	ion Type: Passiv	e Mode					
1	GV-BX110D	Streaming1	192.168.0.154	10000	GeoVision	GeoVision_GV-B	0013e201abae
ms select	ed : 1						

- Click Add and select a channel. The IP device will be added to the Working Camera List.
- 4. Click Save.
- 5. In the left menu, click **Service** and select **Start** to enable the Recording Server and Video Gateway services.
- 6. Click **Save** to start services.

# **)** Distributing to Clients

The GV-Recording Server can simultaneously transmit up to 300 channels to clients. User accounts can be created for clients to access GV-Recording Server through Web interface. In addition, GV-System, Multi View, and GV-Control Center can be configured to receive streaming from GV-Recording Server.

# Web Interface through User Account

You can create up to 1000 User and Supervisor accounts to access GV-Recording Server. The Supervisor accounts have full access to GV-Recording Server, and you can set up different level of access rights for the User accounts.

1. In the left menu, click User Account. This dialog box appears.

User Account			
🕂 Add 🔀 Del	ste - 🧖 Change	Password 🚾 E-Mail 🖉 Privilege	
User Name 🔺	Hint	E-Mail	
E Level: Super	visor		
admin			
3 Level: User			
guest01	guest		

2. Click the **Add** button + Add . This dialog box appears.

dd New Account	
Jser Name(Max Length:32):	FAE
Password(Max Length:32):	•••
lint(Max Length:32):	GV
.evel:	User 🗸
-Mail:	fae@geovision.com.tw
	OK Cancel

- 3. Type the User Name, Password and a password Hint for the account.
- 4. Use the Level drop-down list to select Supervisor or User.
- 5. Type an e-mail address for the account. When you forget the password, the password can be sent to your e-mail account using the Forget Password link in the login page.

- 6. Click **OK** to return to the User Account List.
- To set access rights, select a user account and click the Privilege button Privilege.
   The cameras listed in the IP Device List are displayed.

wiege							
Information							
ser	r Name: gi	uest01					
ave	el: U	ser					
Ma	ail:						
тр	Davica List						
	Device Lise						
	ant Quence and a						
ve	ent Query 🗸 🗸	Select All 🗙 Clea	ar All				
Eve	ent Query 🗸 🗸 Host Name	Select All 💥 Clea	ar All	Connection Type	Live View	Remote Playback	Event
Eve	ent Query V V Host Name GV-BX110D	Select All 🗙 Clea Camera Name Streaming1	IP Address 192.168.0.154	Connection Type Passive Mode	Live View	Remote Playback	Event
1 2	ent Query V V Host Name GV-BX110D GV-IPCAM1.3M	Select All X Cler Camera Name Streaming1 Camera1	IP Address 192.168.0.154 192.168.1.245	Connection Type Passive Mode Active Mode	Live View	Remote Playback	Event
1 2 3	Host Name GV-BX110D GV-IPCAM1.3M GV-BX110D	Select All X Cler Camera Name Streaming1 Camera1 Camera1	IP Address 192.168.0.154 192.168.1.245 192.168.3.253	Connection Type Passive Mode Active Mode Active Mode	Live View V V	Remote Playback	Event
1 2 3 4	Host Name GV-BX110D GV-IPCAM1.3M GV-BX110D DVR-BX120D	Select All X Clear Camera Name Streaming1 Camera1 Camera1 Camera1	P Address 192.168.0.154 192.168.1.245 192.168.3.253 192.168.3.253	Connection Type Passive Mode Active Mode Active Mode Active Mode	Live View V V	Remote Playback	Event
1 2 3 4 5	Host Name GV-BX110D GV-IPCAM1.3M GV-BX120D DVR-BX120D GV-FE420	Select All Clear Camera Name Streaming1 Camera1 Camera1 Camera1 Camera1	ar All IP Address 192.168.0.154 192.168.1.245 192.168.3.253 192.168.2.253 192.168.3.199	Connection Type Passive Mode Active Mode Active Mode Active Mode Active Mode	Live View V V V	Remote Playback	Event

- 8. Select the checkboxes to allow the user to access the **Live View**, **Remote Playback** and **Event Query** of the camera.
- 9. To access the Web interface in User Mode, type the user account's User Name and Password in the GV-Recording Server login page.

For details on User Mode, see *Chapter 6 User Mode* in the *GV-Recording Server User Manual.* 

# Connecting with the GV-System

You need to configure the GV-System to access video streaming from the GV-Recording Server.

 On the main screen of GV-System, click the Configure button, select System Configure, select Camera Install and select IP Camera Install. This dialog box appears.

Port	Cam. NO.	Status	Video Resolution	Brand	Add Camera
10000	No	Disconnect		GeoVision_GV-FE110_Series	
					Scan Camera
					Import Camera
					IP Device Utility
					Automatic Setup
					ОК
	Port 10000	Port Cam. NO. 10000 No	Port Cam. NO. Status 10000 No Disconnect	Port Cam. NO. Status Video Resolution 10000 No Disconnect	Port Cam. NO. Status Video Resolution Brand

2. Click the Add Camera button. This dialog box appears.

	Server IP -	192 168 0 153	
	Server II .	152.166.6.155	-
	HTTP Port :	80	
	User name :	admin	_
	Password :	****	
	Brand :	GeoVision	-
	Device :	Please select the brand of IP camera	•
Maccona ·		Close	

 Type the IP address or domain name of the GV-Recording Server. Keep default HTTP port as 80 or change to match the HTTP port configured in GV-Recording Server. Type the client's username and password. Select GV-Video Gateway / GV-Recording Server from the Device drop-down list. This dialog box appears.

GeoVision_GV-Video Gateway/GV-Recording Server	
Query Server           Port         11000   Query	Cancel Status : Standby
Camera list Preview :	Record :
GeoVision_GV-Video Gateway(GV-IPSpeedDome-Ca 💌	GeoVision_GV-Video Gateway(GV-IPSpeedDome-Ca 💌 Apply
	Close

- 4. Keep the default communication port of GV-Recording Server as 11000, or modify to match the TCP/IP port on the GV-Recording Server. Click the Query button to attempt connection to the GV-Recording Server. When the connection is established, the camera options will be displayed in the Preview and Record drop-down lists.
- 5. Select one camera to be connected. The selections in the Preview and Record drop-down lists will be the same.
- 6. Click Apply. The IP camera is added to the list.
- 7. Click the listed camera, and select **Display Position** to map the IP camera to any channel on the GV-System. After the mapping is complete, the Status column will display "Connected".



8. Click **OK** to exit all open dialog boxes. The IP camera from the GV-Recording Server is now displayed at specified channel.

For more details, see *Chapter 7.1 Connecting with GV-System* in the *GV-Recording Server User Manual.* 

# **Connecting with the Multi View**

You can install MultiView from the Software DVD or download Multi View through the Web interface of GV-Recording Server. In the left menu, click **Advanced Query** and in the window that pops up, select **Utility Download**. Click the **Download** button of **DMMultiView** to download the program.

After installing the program, you need to log in the Multi View to access video streaming from the GV-Recording Server.

1. In the login dialog box, click the **Edit** button. This dialog box appears.

🔁 Login 🛛 🔀	
Please key-in username and password	Login
Host 127.0.0.1 Edit Device OV-DVR System User Name admin Password Forget Password Change Password	Device Wideo Gateway/Record  IP Address 192.168.3.107 VSS Port 11000
OK Cancel MultiView support 1024x768 or higher resolution screen and version 5.4 or later.	OK Cancel

- 2. Select Video Gateway / Recording Server from the Device drop-down list.
- 3. Type IP address or domain name of the GV-Recording Server.
- 4. Keep the default VSS Port as 11000; otherwise modify it to match the TCP/IP port on the GV-Recording Server.
- 5. Click **OK** to return to the login page.
- 6. Type the client's username and password created on the GV-Recording Server.
- 7. Click OK to log in.
- 8. The GV-Recording Server will be listed under the Host list. Drag and drop its IP cameras to the desired channels on the Multi View.



# **Connecting with the GV-Control Center**

You need to configure the GV-Control Center to access video streaming from the GV-Recording Server.

1. On the Host List of GV-Control Center, right-click Recording Server List and select Add Recording server. The Host Settings dialog box appears.



- 2. Name the host of GV-Recording Server.
- 3. Type the IP address or domain name of the GV-Recording Server.
- 4. Type the client's username and password created on the GV-Recording Server.
- 5. Keep the communication ports as default settings; otherwise modify them to match the HTTP (default value: 80) and TCP/IP (default value: 11000) ports on the GV-Recording Server.
- 6. Click the **Update Information** button to request the number of cameras from the GV-Recording Server. When the update is complete, the message "Update system information successfully" will appear.

# **Connecting with Multicast**

The Multicast view allows you to receive video and audio streams from a multicast group. You need to first enable the multicast function. See 5.3.5 Video Gateway in the GV-Recording Server User Manual for details.

In the left menu, click Advanced Query and in the window that pops up, select Utility Download. Click the Download button of GVMulticastSetup to download the program.



- 1. The host(s) in the multicast group is displayed automatically. If not, click the Configure button, select General Setup, select Multicast and ensure the settings are correctly configured.
- 2. Expand the Host folder and drag the cameras to the screen for display. If the host has already set a password, you will be promoted to enter it.
- 3. To receive audio broadcasting, first ensure a speaker is properly installed. Then click the Configure button, select General Setup, select Receive broadcast audio, and ensure the broadcast IP address and port number are correctly configured.
- 4. To save the current settings of screen division and camera display for future use, click the Configure button, select Video List Setup, and select **Export**.

7. Click **OK**. The host is created under the Recording Server List.

# Connecting with the Remote ViewLog

You can install Remote ViewLog from the Software DVD or download Remote ViewLog through the Web interface of GV-Recording Server. In the left menu, click **Advanced Query** and in the window that pops up, select **Utility Download**. Click the **Download** button of **Remote ViewLog** to download the program.

After installing the program, you need to configure the Remote ViewLog to access recorded files from the GV-Recording Server.

1. On the main screen of Remote ViewLog, click the **Tools** button and select **Address Book**. This dialog box appears.

Host / Group List 🍼 📂 🖆 👔 🍪 🛫 🔀 🔟 🔾 👰
Host List

2. Click Add GV-Recording Server button **I**. This dialog box appears.

Add Recording Sei	rver
IP Address :	192.168.0.153
Port :	5552 Default
Remember A	ccount
ID :	Guest
Password :	*****
Group Name :	<b>_</b>
OK	Cancel

- 3. Type the **IP address** of the GV-Recording Server. Use the default connection port 5552 or modify to match the settings on GV-Recording Server.
- 4. Type the **ID** and **Password** of a GV-Recording Server user account.
- 5. To add the GV-Recording Server to address book under a group, select a **Group Name** or type a new name.

6. Click **OK** and the GV-Recording Server is now added to the address book.



 Select an IP video device listed under the GV-Recording Server and click the **Connect** button I. The ViewLog video player appears and recorded events will be listed for playback.



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