



Access the GV-IP Camera through a broadband modem

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Applied to

All GV-IP Cameras

Introduction

The document introduces how to connect your GV-IP Camera to the Internet through the broadband modem such as an ADSL or a TV-cable modem. Whenever you connect to the Internet, you can remotely access your camera and monitor the surveillance site.

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GeoUision The Vision of Security

A. A simple network environment

If your network environment is simple with a few IP cameras, one computer and one broadband modem, you can connect the GV-IP Camera directly to the Internet through the broadband modem, as illustrated below.



Note: One broadband modem may support more than one IP address, which includes fixed and dynamic IP addresses. In this case, you may connect several IP cameras directly to the Internet through one broadband modem. Please check your Internet Service Provider (ISP) for Internet packages.





Step 1 Connecting your camera to a PC

To log in the camera's Connect your camera to a PC to log in the camera's Web interface. By default the GV-IP Camera has the IP address of **192.168.0.10**, and ID and password are **admin**.



Login page:

C GeoVision Inc IP Camera - Windows Internet Expl	lorer 🗧	
🚱 🕞 🔻 🔊 http://192.168.6.100/ssi.cgi/Login.htm	💌 🗟 😽 🗙 🍠 Live Search	P •
<u>File E</u> dit <u>View</u> F <u>a</u> vorites <u>T</u> ools <u>H</u> elp		
🖕 Favorites 🛛 🚖 🙋 Suggested Sites 👻 🙆 Free Hotmail 🖉) Web Sice Gallery 🔻	
GeoVision Inc IP Camera	🛐 👻 🔝 👘 🖃 🖶 👻 Bage 👻 Safety 🕶 Tools 👻	🛛 • 🔋
GeoUision:	IP CAMERA SETUP	<u>_</u>
Login: [Password: [Apply	
© #011	GEDVISION INC. ALL AIGHTS RESERVED	×
http://www.geovision.com.tw/	👩 😜 Internet 🦓 🔹 🔍 100	% • .:

Step 2 Registering a domain name for your camera

Typically you receive a dynamic public IP address from the Internet Service Provider (ISP). To maintain one address to reach your camera, you may use Dynamic DNS service to obtain a domain name, such as geoipcamera.dipmap.com. The Dynamic DNS service will redirect the ever-changing IP address of your camera to the domain name. The GV-IP Camera supports two DDNS providers: GeoVision DDNS Server and DynDNS.org.

Note: Another alternative is to purchase a fixed public IP address from your ISP.





To register a domain name on GeoVision DDNS Server:

1. On the left menu of Web interface, select Network and then Advanced TCP/IP.

GeoUision	Advanced TCP/IP		
 Video and Motion Digital I/O and PTZ 	In this section you can set the advanced TCP/IP configuration		
I/O Control	Dynamic DNS Server Settings		
PTZ Settings			
 Events and Alerts Monitoring 	in this section you can compute your GV-IPSpeedDome to obtain a domain name by using a dynamic IP.		
 Recording Schedule Network <u>Status</u> <u>LAN</u> <u>Advanced TCP/IP</u> <u>IP Filtering</u> <u>SNMP Settings</u> Management 	Enable Service Provider Geovision DDNS Server Host Name Decovision DDNS Server DynDNS.org User Name Password Dupdate Time :		
• Logout	Apply HTTP Port Settings		

- Under the Dynamic DNS Server Settings, select Enable and click the Register GeoVision DDNS Server link ^{EX: Register Geovision DDNS Server} to access GeoVision DDNS service.
- 3. In the GeoVision DDNS Server page, type a desired **Username** and **Password**. Type the verification letters shown in the image, and click **Send**.

Register	
Username: geoipcamera	Username Username is 16-character maximum;
Re-type Password:	username may not start with spaces o minus signs ('-'). Username will be you hostname.
	Password The password is case-sensitive.
Enter the characters as they are shown in the box below. HXKF8NI	Word Verification This step helps us prevent automated registrations.
TAX SIVI	





4. You receive a hostname from GeoVision DDNS Server, as illustrated below. The hostname, e.g. geoipcamera.dipmap.com, will be the domain name of your IP camera.

🖉 http://ns.dipmap.com/register.aspx - Windows Internet Explorer				
🔊 http://ns.dipmap.com/register.aspx				
 Username: geoipeamera Hostname: geoipeamera.dipmap.com IP Address: 114.34.19.109 Your hostname will be activated in 5 minu Your hostname will be deleted if you don 	ites. 't update your host address for 30 days.			

5. On the camera's Web interface, type the **Username** and **Password** you registered on the DDNS Server. Click **Apply** to enable the DDNS service. The Update Time should appear to indicate the update time from the DDNS server.

Advanced TCP/IP							
In this section you ca	In this section you can set the advanced TCP/IP configuration						
Dynamic DNS Serv	rer Settings						
In this section you ca dynamic IP.	In this section you can configure your Videoserver to obtain a domain name by using a dynamic IP.						
I Enable							
Service Provider	Geovision DDNS Server vex: Register Geovision DDNS Server						
Host Name	username.dipmap.com						
User Name	geoipcamera						
Password	•••••						
Update Time : Thu Nov 29 12:00:19 GMT8:00 2001 Refresh							
Apply							





Step 3 Enabling the Internet connection

ADSL users

- 1. On the left menu of the Web Interface, select **Network** and then **LAN**.
- 2. Select **PPPoE**, and type **Username** and **Password** provided by your ISP.
- 3. Click **Apply** to enable the Internet connection.

GeoUision	LAN Configuration
Video and Motion	In this section you can configure GV-IPSpeedDome to work inside of LAN.
Events and Alerts	OptionalNetwork type
 Monitoring Recording Schedule 	Wired Ethernet Select this option to use wired 10/100Mbps ethernet
Network	
► <u>Statue</u> ► <u>LAN</u>	NetworkAdvanced Setting
Advanced TCP/IP	O Dynamic IP address Select this option to obtain IP address from a DHCP server
P Filtering	Static IP address Select this option to enter a Static IP address manually
 <u>SNMP Settings</u> Management <u>Loqout</u> 	PPPoE Select this option to establish a DSL connection Username:geovision Password:
«	Configure connection parameters
111	IP Address: 192.168.4.16

TV-cable modem users

If you are a TV-cable modem user, you don't need to dial-up every time when you want to log on because the connection is always on.

- 1. On the left menu of the Web interface, select **Network** and then **LAN**.
- 2. Select Dynamic IP address.
- 3. Click **Apply** to enable the Internet connection.

GeoUision	LAN Configuration		
 Video and Motion Digital I/O and PTZ 	In this section you can configure GV-IP SpeedDome to work inside of LAN.		
Events and Alerts	OptionalNetwork type		
 Monitoring Recording Schedule Network 	Wired Ethernet Select this option to use wired 10/100Mbps ethernet		
▶ <u>Status</u>	NetworkAdvanced Setting		
LAN Advanced TCP/IP IP Filtering SNMP Settings	Dynamic IP address Select this option to obtain IP address from a DHCP server Static IP address Select this option to enter a Static IP address manually Select this action to establish a DSL separation		
Management			
• Loqout	Password:		





Step 4 Logging in your camera remotely

Now you can log in your camera remotely from a computer.

- 1. Start the Internet Explorer.
- 2. Type the domain name you registered for your IP camera, like this: http://geoipcamera.dipmap.com. The domain name will link you to the IP camera.
- 3. When the Login page appears, type the default ID and Password admin to login.
- 4. When the message of adding "ActiveX Control" appears, right-click the message and select **Run Add-on** to install ActiveX component of Internet Explorer to your computer.

88 - <i>(See http:///</i>	Geovision GV-FD120D/FD 🗴		👌 🔹 🗟 🖂 🖃				
🕡 This website wants to run the following add	This website wants to run the following add-on: 'LiveX ActiveX Control Module' from 'Control name is not available'. If you trust the website and the add-on and want to allow it to run, click here						
GeoUision		Run Add-on Run Add-on on All Websites What's the Rick2					
Video and Motion I/O Control	-	Information Bar Help					
Events and Alerts							
Monitoring							

5. When the message of adding ActiveX Control from GeoVision appears, right-click the message and select **Run Add-on** to install GeoVision's ActiveX component to your computer.

88 🔻 🏉 http:///	Ceovision GV-FD120D/FD X		i • i • i
🕖 This website wants to run the following	add-on: 'OCXDownloadChecker ActiveX Control Module' from 'GEOVISION INC. (unverified publisher)'.	Run Add-on	on and want to allow it to run, cl
GeoUision		Run Add-on on All Websites What's the Risk?	
Video and Motion		Information Bar Help	
I/O Control			1
Events and Alerts			

6. Live images appear now.





Local Area Network Β.

If you have multiple IP cameras installed on a local area network (LAN), with a router connected to a broadband modem, the router will typically assign private IP addresses to the connected cameras such as 192.168.x.x. You cannot see the IP cameras outside from the Internet by using the private IP addresses (192.168.x.x). What you use on the Internet is the public IP address from the ISP, which is the IP address of your router.

To allow access to the IP cameras residing on the LAN, you need to assign a different port to each camera and open the corresponding ports on the router. Let's imagine the public IP address of the router is like a building's address, and ports are like the apartment numbers for the residences in the building. When each IP camera has a unique port number, the router will know where to forward the request outside from the Internet. This process is also known as port forwarding or port mapping.



The LAN environment:





Finding the private IP address of your camera Step 1

The router usually has the DHCP Server function to automatically assign a dynamic IP address to the network devices. When the GV-IP Camera is connected to the network for the first time, it will also be assigned a dynamic IP address.

To find the private IP address of your camera:

Install the GV-IP Device Utility from the GV-IPCAM H.264 Software CD. 1.



On the GV-IP Utility window, click the Source button to search for the devices connected 2. in the same LAN.

3. Find the camera with its Mac Address, click on its IP address and select Web Page.

🚔 GV IP Dev	😫 GV IP Device Utility							
File Tool	File Tool							
🔍 🏡 🕂 🗯 🔅								
General settin	95 NVR camera settir	ngs						
Name		Mac Address	IP Address	 Firmware Version 		Internal Temp	NOTE	
🔊 GV-CE	WV220	0013E204FF1B	<u>192.168.0.10</u>	U1 00 2012 01 02			GeoVision_GV-CBW220	
SV-FE	120D/FD121D	0013E20354B2	<u>192.168.0.11</u>	Web Page		24.5°C	IP address change completed	
				Live view Camera adjustment				
				Configure				
						>		

Note: You can find the Mac Address on a sticker on the GV-IP Camera.





4. The Login page appears.

🖉 GeoVision Inc IP Camera - Windows Internet Explorer	
🚱 🔄 💌 🔊 http://192.168.0.10/ssi.cgi/Login.htm	P -
Eile Edit View Favorites Iools Help	
🔆 Favorites 🛛 🚖 🙋 Suggested Sites 👻 🖉 Free Hotmail 🙋 Web Slice Gallery 🔹	
🖉 GeoVision Inc IP Camera	ls • 🕡 • 👋
Ceculision: IP CAMERA SETUR	<)
	✓

5. Type the default ID and password **admin**, and click **Apply** to log in.





Step 2 Assigning a different port to each camera

Log in the Web interface of each camera and give them different HTTP and VSS port values.

HTTP port

The HTTP port enables connection of an IP camera to the Internet. The default HTTP port for every network device is 80. Since the port 80 will be taken by the router, you need to assign a different HTTP port for each camera starting from port 81 to avoid port conflicts.

VSS (Streaming) port

If you are the user of GV-System/GV-NVR, you must assign a different streaming port for each camera to connect to the GV-System/GV-NVR. The default streaming port for every GV-IP Camera is 10000.

For example, if you have two IP cameras on LAN, you may arrange your port settings like this:

Cameras on LAN	Ports			
Camera 1 (192.168.0.10)	HTTP	81	VSS	10000
Camera 2 (192.168.0.11)	HTTP	82	VSS	10001

Note:

- Once you change the default HTTP port 80, you will need to type the IP address followed by a colon and the specified port value to access the camera either on the LAN or from the Internet. For example, the HTTP port of Camera 1 is changed to 81, so you need to type its IP address like this: 192.168.0.10:81.
- 2. You may find the Surveillance System Software DVD for GV-System/GV-NVR in the GV-IP Camera package. For detail see <u>GV-System/GV-NVR</u> in the *D. Remote Viewing* section later in this document.





To change default HTTP and VSS (Streaming) ports on the camera:

- 1. On the left menu of the Web interface, select **Network** and then **Advanced TCP/IP**.
- 2. Under the HTTP Port Settings, change the default port 80 and click **Apply**.
- 3. Under the Streaming Port Settings, change the default port 10000 and click **Apply**.

Video and Motion	1 2
Events and Alerts	HTTP Port Settings
Monitoring	
Recording Schedule	In this section you can change the default HTTP port number (80) to any port within the range 1024-65535. It is a simple method to increase system security using port mapping. You can
Remote Viewlog	configure HTTP connection to an alternative port.
Network	
Status	HTTP Port 81
► LAN	
Wireless	Apply
Advanced TCP/IP	UTTR: Sattings
P Filtering	in irs settings
SNMP Settings	In this section you can change the default HTTPS port number (443) to any port within the
Management	range 1024-65535. It is a simple method to increase system security using port mapping. You
	can configure HTTPS connection to an alternative port.
Loquit	
]	HITP POR (443
	private key.
	Use customized certification and private key. External storage is necessary.
	Certification Browse
	Private Key Browse
	Password
	Apply
	GV-IPCAM Streaming Port Settings
	In this section you can configure Streaming connection from a determine port. The default
	setting is 10000.
	VSS Port 10000
	Apply



Step 3 Registering a domain name for the router

Typically you receive a dynamic IP address from your ISP. You may register a domain name linking to the ever-changing IP address of the router. Most broadband routers support a dynamic DNS service such as <u>www.dyndns.org</u>. Please check your router's Web interface and document for the Dynamic DNS settings.

Note: Another alternative is to purchase a fixed public IP address from your ISP.

DIR-825	SETUP	ADVANCED	TOOLS	STATUS						
ADMIN	DYNAMIC DNS									
ПМЕ										
SYSLOG	The DDNS feature allow	The DDNS feature allows you to host a server (Web, FTP, Game Server, etc) using a domain								
EMAIL SETTINGS	address. Most broadban	name that you have purchased (www.whateveryournameis.com) with your dynamically assigned IP address. Most broadband Internet Service Providers assign dynamic (changing) IP addresses. Using								
YSTEM	a DDNS service provide	r, your friends can enter yo dress is	our host name to connect to	o your game server n						
IRMWARE		uress is.								
YNAMIC DNS	Sign up for D-Link's Fre	e DDNS service at								
YSTEM CHECK	ť l									
CHEDULES	Save Settings	Don't Save Settings								
nglish 🔽										
	DYNAMIC DNS									
	Enable Dyna	amic DNS : 🛛								
	Server	r Address : www.dlinkddn	s.com(Fre	nic DNS Server 👻						
	Но	ost Name : geoipcamera.o	dlinkddns.com							
	Usernan	ne or Key : geoipcamera								
	Passwo	rd or Key : ••••••								
	Verify Passwo	Verify Password or Key :								
		Timeout: 576	(hours)							
		Status Connected								

The following example is the Dynamic DNS settings on the D-Link DIR-825 router.





Step 4 Opening ports on the router

Log in the router's Web interface and look for the port forwarding settings. You should correlate public ports with the corresponding private IP of the camera.

Note: Each manufacture has different software used on their routers. We took screenshots of the port forwarding settings from **D-Link DIR-825** model. We are assuming you know how to access your router, and know the proper ID and password. If you don't know, check out the router's manual or manufacturer's website.

Based on our previous port arrangements, two different HTTP ports are set up for two cameras (see the red highlight below), and two different VSS ports are set up for connecting to the GV-System/GV-NVR (see the blue highlight below).

Cameras on LAN	Ports			
Camera 1 (192.168.0.10)	HTTP	81	VSS	10000
Camera 2 (192.168.0.11)	HTTP	82	VSS	10001

In the following example of D-Link DIR-825 router, the port forwarding settings are in the Advanced tab. We have opened the HTTP and VSS ports for Camera 1 and 2 on the router.

D-Link	Ć					
DIR-825		SETUP	ADVANCED	TOOLS		STATUS
IRTUAL SERVER	VIR	TUAL SERVER				
ORT FORWARDING	The	Virtual Sonvor ontio	n allows you to define a sing	le public port on	your routor fo	r radiraction to
PPLICATION RULES	an in	ternal LAN IP Addre	ess and Private LAN port if re	quired. This fea	ture is useful fo	or hosting online
OS ENGINE	servi	ces such as FTP or	Web Servers.			
ETWORK FILTER		Save Settings	Don't Save Settings			
CCESS CONTROL						
EBSITE FILTER	24 -	VIRTUAL SER	VERS LIST			
BOUND FILTER				Port	Traffic Type	
REWALL SETTINGS		Name		Public Port	Protocol	Schedule
DUTING		HTTP-1	Application Name	81	тср 💌	Always 💌
DVANCED WIRELESS		IP Address		Private Port		Inbound Filter
I-FI PROTECTED		192.168.0.10	Computer Name</td <td>81</td> <td>6</td> <td>Allow All 💙</td>	81	6	Allow All 💙
TUP		Name		Public Port	Protocol	Schedule
OVANCED NETWORK		НТТР-2	Application Name	82	Both 💌	Always 💌
JEST ZONE		IP Address		Private Port	and	Inbound Filter
V6 ROUTING		192.168.0.11	Computer Name	82	256	Allow All
nglish 💌		Name	C A antimation Name II	Public Port	Protocol	Schedule
		755-1		10000		
		IP Address		10000	6	Allow All
		Nome		Dublic Dort	Drotocol	Cabadula
		VSS-2	< Application Name V	10001	TCP V	Always 💌
		IP Address		Private Port		Inhound Filter
		192.168.0.11	Computer Name	10001	6	Allow All





Other ports used by GV-IP Camera

The HTTP and VSS (streaming) ports allow your IP cameras on the LAN connected to the Internet and GV-System/GV-NVR. To have more features of GV-IP Camera, you need to open the following ports on the router.

Port type	Value
HTTPS	443
RTSP	8554
FTP	21
ViewLog	5552

[HTTPS port]

By opening the Hypertext Transfer Protocol Secure (HTTPS) port, you can access the camera through a secure protocol. When the HTTPS port is enabled on the GV-IP Camera and the router, you will securely access your camera using a HTTPS URL that starts with https://, instead of using HTTP URL that starts with http://.

First of all, you need to assign a different HTTPS port for each IP camera, and then open the corresponding ports on the router.

By default the HTTPS port is 443, which will be taken by your router. If you have two IP cameras on LAN, the port settings may look like this:

Cameras on LAN	Ports				
Camera 1 (192.168.0.10)	HTTPS	444	VSS	10000	
Camera 2 (192.168.0.11)	HTTPS	445	VSS	10001	





To assign and open the HTTPS port:

1. On the left menu of the camera Web interface, select **Network** and then **Advanced TCP/IP**.

Pemote Viewlog	
Network	HTTP Port 80
<u>Status</u>	
LAN	Apply
Wireless	
Advanced	HTTPS Settings
TCP/IP	In this section you can change the default HTTPS port number (443) to any port within the
P Filtering	range 1024-65535. It is a simple method to increase system security using port mapping. You
SNMP Settings	can compare HTTP's connection to an alternative port.
Management	Enable
Logout	HTTP Port 443
~	External storage is not available. Cannot upload customized certification and private key.
_	Use customized certification and private key. External storage is necessary.
	Certification Browse
	Private Key Browse
	Password
	Apply

- 2. Under the HTTPS Port Settings, select **Enable**, change the default port 443 and click **Apply**.
- 3. For how to use the customize certificate and password, see the *Advanced TCP/IP* section, *Chapter 13 Administrator Mode*, *GV-IPCAM H.264 User's Manual* on the GV-IPCAM H.264 Software DVD.
- 4. Open the HTTPS port of the camera on the router. Take the D-Link's router as example:







[RTSP port]

When the RTSP port is opened on the GV-IP Camera and the router, you can view the live video by using VLC and Quick Time players with the RTSP commands.

First of all, you need to assign a different RTSP port for each IP camera, and then open the corresponding ports on the router. If you have two IP cameras on LAN, the port settings may look like this:

Cameras on LAN	Ports					
Camera 1 (192.168.0.10)	HTTP	81	VSS	10000	RTSP	8554
Camera 2 (192.168.0.11)	HTTP	82	VSS	10001	RTSP	8555

To assign and open the RTSP port:

 On the left menu of the camera Web interface, select Events and Alerts and then RTSP. (By default the RTSP port is enabled on the GV-IP Camera.)

GeoUision	RTSP
Video and Motion	RTSP Server
Events and Alerts	
<u>Email</u>	Activate Link 🕑
ETP	RTSP/TCP port 8554
VSM	RTP/UDP port 17300 ~ 17319
Backup Center	Max connection 10
Video	Enable Audio
<u>Gateway/Recordinc</u>	Арріу
<u>Server</u>	
RTSP	

- 2. Change the default RTSP/TCP port 8554, and click Apply.
- 3. On the router, open the RTSP port of the camera. Take the D-Link's router as example:

	192.108.0.11		10001	0	
	Name RTSP-1	< Application Name 💙	Public Port 8554	Protocol TCP 💙	Schedule Always
L	IP Address 192.168.0.10	Computer Name 💌	Private Port 8554	6	Inbound Filter
г	Name RTSP-2	Application Name 💙	Public Port 8555	Protocol TCP 💙	Schedule Always
L	IP Address 192.168.0.11	Computer Name 💌	Private Port 8555	6	Inbound Filter Allow All
	Name		Public Port	Protocol	Schedule





The RTSP Command:

If you use the QuickTime player, enter: rtsp://<IP or domain name of the GV-IPCAM:8554/<CH No.>.sdp

For example, rtsp://geoipcamera.dlinkddns.com:8554/CH001.sdp

If you use the VLC player, enter: rtsp://username:password@<IP or domain name of the GV-IPCAM:8554/<CH No.>.sdp

For example, rtsp://admin:admin@dlinkddns.com:8554/CH001.sdp

For detail, see the *RTSP* section, *Chapter 13 Administrator Mode*, *GV-IPCAM H.264 User's Manual* on the GV-IPCAM H.264 Software DVD.

[FTP port]

When the FTP port is opened on the GV-IP Camera and the router, the GV-IP Camera will have two capabilities: (1) send the captured still image to a remote FTP server for alerts, and (2) act as a FTP server to allow users to download AVI files.

First of all, you need to assign a different FTP port for each IP camera, and then open the corresponding ports on the router. If you have two IP cameras on LAN, the port settings may look like this:

Cameras on LAN	Ports					
Camera 1 (192.168.0.10)	HTTP	81	VSS	10000	FTP	21
Camera 2 (192.168.0.11)	HTTP	82	VSS	10001	FTP	22





To assign and open the FTP port:

1. On the left menu of the camera Web interface, select Events and Alerts and then FTP.

GeoUision	FTP Client and Server	Setting				
 Video and Motion Events and Alerts 	In this section you can configure a messages.	a ftp server (File Transfer Protocol) to handle events, videos, and error				
Email	To notify the FTP Server upon mo	tions, be sure to set up the detection area on the Motion Detection page.				
<u>Center V2</u>	Upload to a FTP server					
► <u>VSM</u>						
Backup Center	Enable Enable					
Video	Server URL/IP Address	geoipcam.dipmap.com				
Gateway/Recording	Server Port	21				
<u>Server</u>	User Name	admin				
Viewlog	Password	•••••				
* <u>RTSP</u>	Remote Directory	Geo_IP_Camera				
Monitoring	Alerts Interval time in minute (0 to 60)					
Recording Schedule	FTP - Alarm Settings					
Network	Motion Detection					
Management	Continuously send images upon trigger events(Motion)					
• Logout	Apply	Apply				
<<	Act as FTP server					
	In this section you can enable/disable GV-IPCAM internal ftp server for file transfer.					
	Use alternative Port 21					
	Apply					

- In the Upload to a FTP Server section, select Enable and type the login information of a remote FTP server. For detailed instructions, see the *FTP* section, *Chapter 13 Administrator Mode*, *GV-IPCAM H.264 User's Manual* on the GV-IPCAM H.264 Software DVD.
- 3. Change the default FTP port 21, and click **Apply**.
- The GV-IP Camera can also function as a FTP server allowing you to download AVI files. For this feature, select Enable ftp access to GV-IPCAM, change the default FTP port 21 and click Apply.
- 5. On the router, open the FTP port of the camera. Take the D-Link's router as example:

-				
Name FTP-1	<	Public Port	Protocol TCP 🖌	Schedule Always 💌
IP Address 192.168.0.10	< Computer Name 💌	Private Port	6	Inbound Filter
Name FTP-2	<	Public Port 22	Protocol TCP 💙	Schedule Always 💙
IP Address 192.168.0.11	< Computer Name 💌	Private Port 22	6	Inbound Filter
Name ViewLog-1	<	Public Port 5552	Protocol TCP	Schedule Always 💙





To access the internal FTP servers of Camera 1 and Camera 2 outside from the Internet, enter the URL like this:

Camera1: ftp//:geoipcamera.dlinkddns.com:21 Camera 2: ftp://geoipcamera.dlinkddns.com:22 By default the login ID and password are **ftpuser**.

For detail, see the *FTP* section, *Chapter 13 Administrator Mode*, *GV-IPCAM H.264 User's Manual* on the GV-IPCAM H.264 Software DVD.

[ViewLog port]

When the ViewLog port is opened on the GV-IP Camera and the router, you can play back the video saved on the memory card of the camera.

First of all, you need to assign a different ViewLog port for each IP camera, and then open the corresponding ports on the router. If you have two IP cameras on LAN, the port settings may look like this:

Cameras on LAN	Ports					
Camera 1 (192.168.0.10)	HTTP	81	VSS	10000	ViewLog	5552
Camera 2 (192.168.0.11)	HTTP	82	VSS	10001	ViewLog	5553

To assign and open the ViewLog port:

1. On the left menu of the camera Web interface, select **Events and Alerts** and then **ViewLog**.

C GeoUision	Viewlog Server Settings			
 Video and Motion Events and Alerts 	In this section you can configure the connection to Viewlog Server and tasks to perform.			
Email	Viewlog Server			
• <u>FTP</u>				
Center V2	Enable			
► <u>VSM</u>	Port number:	5552		
Backup Center				
Video	Apply			
<u>Gateway/Recordinc</u>				
Server				
Viewlog				
▶ <u>RTSP</u>				
Monitoring				





- 2. Select **Enable**, change the default port 5552, and click **Apply**.
- 3. On the router, open the ViewLog port of the camera. Take the D-Link's router as example:

Name ViewLog-1	<	Public Port 5552	Protocol TCP	Schedule Always 💙
IP Address 192.168.0.10	< Computer Name 🗸	Private Port 5552	6	Inbound Filter
Name ViewLog-2	<	Public Port 5553	Protocol TCP	Schedule Always 💙
IP Address 192.168.0.11	<	Private Port 5553	6	Inbound Filter

For how to remotely play back video, refer to the <u>*F. Remote Playback*</u> section later in this document.





Step 4 Logging in your camera remotely

To access a specific IP camera residing on the LAN, follow the steps below.

- 1. Start the Internet Explorer.
- 2. Type the domain name of the router followed by a colon and the port number of the camera.

For example:

If you want to access Camera 1, type the URL like this: <u>http://geoipcamera.dlinkddns.com:81;</u> If you want to access Camera 2, type the URL like this: <u>http://geoipcamera.dlinkddns.com:82</u>

Cameras on LAN	Ports			
Camera 1 (192.168.0.10)	HTTP	81	VSS	10000
Camera 2 (192.168.0.11)	HTTP	82	VSS	10001

If you enable the HTTPS ports,

type the URL like this to access Camera 1: <u>https://geoipcam.dlinkddns.com:444;</u> type the URL like this to access Camera 2: <u>https://geoipcam.dlinkddns.com:445</u>

Cameras on LAN	Ports			
Camera 1 (192.168.0.10)	HTTPS	444	VSS	10000
Camera 2 (192.168.0.11)	HTTPS	445	VSS	10001

- 3. When the Login page appears, type the default ID and Password **admin** to login.
- 4. When the message of adding "ActiveX Control" appears, right-click the message and select **Run Add-on** to install ActiveX component of Internet Explorer to your computer.

🔠 🔻 🏉 http:///	Ceovision GV-FD120D/FD ×	â • a - E
🕡 This website wants to run the following ad	dd-on: 'LiveX ActiveX Control Module' from 'Control name is not available'. If youtrust the website and the add-on ar	nd want to allow it to run, click here
GeoUision	Run Add-on on All Websites What's the Risk?	
 I/O Control 	Information Bar Help	
Events and Alerts		
Monitoring		

5. When the message of adding ActiveX Control from GeoVision appears, right-click the message and select **Run Add-on** to install GeoVision's ActiveX component to your computer.

88 👻 🏉 http:///	Ceovision GV-FD120D/FD X		👌 • 🔊 · 🖻
🕡 This website wants to run the following ad	d-on: 'OCXDownloadChecker ActiveX Control Module' from 'GEOVISION INC. (unverified publisher)'.	Run Add-on	on and want to allow it to run, cl
C GeoUision		Run Add-on on All Websites What's the Risk?	
Video and Motion		Information Bar Help	
I/O Control			1
Events and Alerts			





6. Live images appear now.

Note: When accessing the IP camera using HTTPS, the following warning message of security certificate will appear. Click **Continue to this website (not recommended)** to access the Login page of the camera.

C C C K Ktps://192.168.0.10:444 ssi.cgi/Login.htm	🕇 Live Se
Elle Edit View Favorites Tools Help	
👷 Favorites 🛛 🍰 Ø Suggested Sites 👻 🖉 Free Hotmail 🖉 Web Slice Gallery 💌	
🔠 🔹 📢 MSN, Messenger, Hotmail - M 🎉 Certificate Error: Navigati 🗙 🚺	× 🛄
There is a problem with this website's security certificate.	
The security certificate presented by this website was not issued by a trusted certificate authority. The security certificate presented by this website has expired or is not yet valid.	
The security certificate presented by this website was issued for a different website's address.	
Security certificate problems may indicate an attempt to fool you or intercept any data you send t the server.	:0
We recommend that you close this webpage and do not continue to this website.	
🤣 Click here to close this webpage.	
Solution Continue to this website (not recommended).	





C. Wireless Connection

If you are using the wireless GV-IP Camera, set up the wireless connection.

Before you enable the wireless connection on the GV-IP Camera, you need to set up configure the wireless settings on the router. In the following instructions, we use the **D-Link DIR-825** router as example.

To configure wireless settings on the router:

- 1. Log in the router's Web interface and look for wireless settings.
- 2. Regardless of what software used on your router, you need to enter the following basic information.
 - A. Wireless Band: Select 2.4 GHz Band settings. The GV-IP Camera only supports
 2.4 GHz wireless band.
 - B. Wireless Network Name: Give a name to the wireless router.
 - C. 802.11 Mode: Select Mixed 802.11n, 802.11g and 802.11b. The GV-IP Camera supports 802.11n/g/b modes.

D-Lin	ĸ					
DIR-825	SETUP	ADV	ANCED	TOOLS	STATUS	
INTERNET	WIRELESS :					
WIRELESS SETTINGS NETWORK SETTINGS USB SETTINGS IPv6 English	Use this section to configure the wireless settings for your D-Link Router. Please note that changes made on this section may also need to be duplicated on your Wireless Client. Save Settings Don't Save Settings					
	WIRELESS NETWOR	K SETTING	is			
	Wirele	ess Band :	2.4GHz Band			
	Enable	Wireless :	Always	Add New		
	Wireless Netwo	rk Name :	Geo LAN	(Also called the SS	SID)	
	802.3	11 Mode :	Mixed 802.11	n, 802.11g and 802.11b 💌		
	Enable Auto Chan	nel Scan :				
	Wireless	Channel :	2.437 GHz - C	H 6 🗸		
	Chann	el Width :	20 MHz	*		
	Visibility	y Status :	💿 Visible 🔘	Invisible		





- 3. You may enable the Wireless Security Mode, by which any wireless device needs to have the same encrypted method and password to connect to the wireless router. There are some basics for the security mode:
 - A. Security Mode: Select WEP or WPA-Personal. The GV-IP Camera supports the two modes.
 - B. If you select WPA-Personal Mode:
 - Select WPA Only or WPA2 Only. The GV-IP Camera supports the two modes.
 - Select **AES** or **TKIP**. The GV-IP Camera does NOT support the combined cipher type of **AES and TKIP**.
 - C. If you select WEP Mode, select **64 bit** or **128 bit**. The GV-IP Camera supports the two types of key lengths.

WIRELESS SECURITY MODE						
To protect your privacy you can configure wireless security features. This device supports three wireless security modes including WEP, WPA-Personal, and WPA-Enterprise. WEP is the original wireless encryption standard. WPA provides a higher level of security. WPA-Personal does not require an authentication server. The WPA-Enterprise option requires an external RADIUS server.						
Security Mode : WPA-Personal V						
WPA						
Use WPA or WPA2 mode to achieve a balance of strong security and best compatibility. This mode uses WPA for legacy clients while maintaining higher security with stations that are WPA2 capable. Also the strongest cipher that the client supports will be used. For best security, use WPA2 Only mode. This mode uses AES(CCMP) cipher and legacy stations are not allowed access with WPA security. For maximum compatibility, use WPA Only . This mode uses TKIP cipher. Some gaming and legacy devices work only in this mode. To achieve better wireless performance use WPA2 Only security mode (or in other words AES cipher).						
WPA Mode : WPA Only						
Cipher Type : AES						
Group Key Update Interval: 3600 (seconds)						
PRE-SHARED KEY Enter an 8- to 63-character alphanumeric pass-phrase. For good security it should be of ample length and should not be a commonly known phrase.						
Pre-Shared Key :						





To configure wireless settings on the camera:

1. On the left menu of the Web interface, select **Network** and then **Wireless Client Mode**.



2. Click the **Access Point Survey** button. All wireless routers nearby will be detected and listed. Select your router.

Access Point List										
ell	Address	Mode	ESSID	Security	Encryption	Protocol	Channel	Quality (%)	Bitrate	Selection
1	00:17:31:9a:13:29	Infrastructure	GOD_WIFI	WPA1PSK/WPA2PSK	TKIP	802.11b/g	1	18	54 Mb/s	Select
2	30:46:9a:ff:ec:a7	Infrastructure	Remote Team (1)	WEP	NONE	802.11b/g	2	100	54 Mb/s	Select
3	38:83:45:54:ca:5a	Infrastructure	FAST_54CA5A	NONE	NONE	802.11b/g/n	6	83	54 Mb/s	Select
4	00:26:f3:4c:af:80	Infrastructure	SMCWGBR14S-N	NONE	NONE	802.11b/g/n	6	100	144 Mb/s	Select
5	38:83:45:53:6c:7e	Infrastructure	SMCWGBR_536C7E	WPA1PSK/WPA2PSK	AES	802.11b/g/n	6	99	54 Mb/s	Select
6	00:0f:3d:4c:96:aa	Infrastructure	HW2	WEP	NONE	802.11b/g	10	47	54 Mb/s	Select
7	00:26:82:d9:0e:3d	Infrastructure	GMC_A3	WEP	NONE	802.11b/g	11	31	54 Mb/s	Select
8	bc:ae:c5:c4:5d:c1	Infrastructure	ASUS-RT-N16	NONE	NONE	802.11b/g/n	11	37	144 Mb/s	Select
9	ee:08:e0:04:ee:a9	Infrastructure	Ariel	WPA2PSK	AES	802.11b/g	3	68	54 Mb/s	Select
10	d6:4d:45:92:2c:90	Ad Hoc	SMC	WEP	NONE	802.11b/g/n	4	31	130 Mb/s	Select
11	14:d6:4d:33:ec:56	Infrastructure	dlink	NONE	NONE	802.11b/g/n	4	23	54 Mb/s	Select
12	40:4a:03:6d:ec:39	Infrastructure	26588427	NONE	NONE	802.11b/g	1	23	54 Mb/s	Select
13	ac:e8:7b:9d:0c:3a	Infrastructure	Chuliwen	WPA2PSK	AES	802.11b/g/n	6	37	144 Mb/s	Select
14	00:15:e9:c4:da:38	Infrastructure	vic-dlink	WPA1PSK/WPA2PSK	TKIP/AES	802.11b/g/n	9	18	300 Mb/s	Select
15	54:e6:fc:b6:e4:8e	Infrastructure	TP-LINK_B6E48E	WPA1PSK/WPA2PSK	TKIP/AES	802.11b/g/n	11	13	54 Mb/s	Select
16	40:4a:03:6d:ec:4e	Infrastructure	87512290	NONE	NONE	802.11b/g	1	31	54 Mb/s	Select
17	00:17:31:41:e0:01	Infrastructure	Rick	WPA1PSK/WPA2PSK	TKIP	802.11b/g	1	18	54 Mb/s	Select
18	48.5b.39.cd.67.a4	Infrastructure	RD_Mobile_ASUS	NONE	NONE	802.11b/g/n	1	78	300 Mb/s	Select
19	00:18:e7:eb:82:51	Infrastructure	Geo LAN	WPAPSK	AES	802.11b/g/n	5	100	54 Mb/s	Select



3. Type the encryption information matching that on the router. For example, we have set up **WPA only** and **AES** Mode with a **Pre-shared Key** on the router.

			WIRELESS S	SECURITY MODE			
			To protect your privacy you can configure wireless security features. This device supports three wireless security modes including WEP, WPA-Personal, and WPA-Enterprise. WEP is the original wireless encryption standard. WPA provides a higher level of security. WPA-Personal does not require an authentication server. The WPA-Enterprise option requires an external RADIUS server.				
				Security Mode :	WPA-Personal		
			WPA				
WLAN Configuration (Client Mode) In this section you can configure your GV-IPCAM to act as Wireles			Use WPA or WPA2 mode to achieve a balance of strong security and best compatibility. This mode uses WPA for legacy clients while maintaining higher security with stations that are WPA2 capable. Also the strongest cipher that the client supports will be used. For best security, use WPA2 Only mode. This mode uses AES(CCMP) cipher and legacy stations are not allowed access with WPA security. For maximum compatibility, use WPA Only . This mode uses TKIP cipher. Some gaming and legacy devices work only in this mode.				
Network name (SSID) Geo	LAN	cess Point Survey	To achieve better wireless performance use WPA2 Only security mode (or in other words AES cipher).				
Network type Authentication Type WPA-PSK Pre-shared Key	 ○ Ad Hoc Infrastr WPA-PSK(AES) 12345678 	ucture	Group Key	WPA Mode : Cipher Type : Update Interval :	WPA Only AES 3600 (seconds)		
WEP	Key 1 HEX	23456789					
	C Key 3 HEX V		PRESHARE	DRET			
	C Key 4 HEX V		Enter an 8- t ample length	o 63-character alph and should not be a	anumeric pass-phrase. For a commonly known phrase.	good secu	irity it should be of
Apply	* HEX: 10 or 2	6 nex digits. ASCI		Pre-Shared Key :	•••••		

4. Click **Apply**.

5. On the left menu of the Web interface, select **Network** and then **LAN**.

GeoUision	LAN Configuration				
Video and Motion	In this section you can configure GV-IPCAM to work inside of LAN.				
Events and Alerts					
Monitoring	OptionalNetwork type				
Recording Schedule					
Remote Viewlog	O Wired Ethernet Select this option to use wired 10/100Mbps ethernet				
Network	 Wireless Select this option to use Wireless 				
<u>Status</u>					
LAN	LAN Configuration				
Wireless					
Client Mode	O Dynamic IP address Select this option to obtain IP address from a DHCP server Test DHCP				
Advanced TCP/IP	Static IP address Select this option to enter a Static IP address manually				
P Filtering	IP Address: 192.168.0.10				
SNMP Settings	Subnet Mask: 255.255.255.0				
Management	Poutor/Catoway 102 168 0 1				
Logout	Router/Gateway. 132.100.0.1				
	Primary DNS: 192.168.0.1				
<<	Secondary DNS: 192.168.0.2 (Optional)				
	O PPPoE Select this option to establish a DSL connection				
	l Isemame:				
	Deseuverd				
	Password.				
	WirelessSettings				
	Dynamic IP address Select this option to obtain IP address from a DHCP server TestDHCP				
	Static IP address Soloct this option to ontor a Static IP address manually				
	IP Address: 192.168.100.10				





- 6. Select Wireless.
- 7. In the Wireless Settings section, select **Dynamic IP Address.**

Note: Typically, the router has the DHCP Server function and automatically assigns a dynamic IP address to any IP device on the LAN. If this is not the case, select **Static IP Address.**

8. Click the **Test DHCP** button. When the following dialog box appears with an IP address, it means you have set up the wireless connection successfully.



9. Unplug the network cable from the camera and have wireless connection now.

To remotely access the wireless camera on the LAN:

Follow steps 1 to 5 in the *B. Local Area Network* section earlier in this document.





D. Remote Viewing

1. Web Browser

To get the comprehensive features from the GV-IP Camera, you need to use **Internet Explorer 7.x or later** to access the Web interface. You can also use **Google Chrome**, **Mozilla Firefox** or **Safari** to access the IP camera, but only live viewing is available on these non-IE browsers.

For details on the supported functions on different Web browsers, refer to the technical notice: <u>The supported functions on different browsers for GV-IP devices</u>.

If you are using **Internet Explorer 8**, and cannot access the Web interface of the GV-IP Camera, you may need to allow previously unused ActiveX controls to run. For details, see *Appendix A. Setting for Internet Explorer 8*, *GV-IPCAM H.264 User's Manual* on the GV-IPCAM H.264 Software DVD.

2. GV-System/GV-NVR

You may find the Surveillance System Software DVD in the camera's package. The GV-System allows you to connect up to 32 GV-IP Cameras for live surveillance. To install the GV-System and connect to IP cameras, follow the steps below.

For further information on GV-NVR, see the GV-NVR Quick Start Guide: **To install the GV-System/GV-NVR:**

1. Insert the Surveillance System software DVD to a computer. It runs automatically.







2. When this window appears, click Install GeoVision Vxxxx System.



- 3. Click GeoVision Main System.
- 4. When this dialog box appears, select GV-NVR and click Next.

GeoVision Digital Surveillance System - InstallShield Wizard	\mathbf{X}
Setup Type Select the setup type that best suits your needs.	
Click the type of setup you prefer. GV-NVR GV-4008 GV-3008 GV-1480 GV-1480 GV-1480 GV-1120 GV-1120 GV-1008 GV-900A GV-8008 GV-8008 GV-8008 GV-6508 GV-6508 GV-6508 GV-6500 GV-6508 GV-6600	
InstallShield	Cancel

5. Follow the on-screen instructions to complete the installation.





To connect to the GV-IP Camera:

1. Run and log in the GV-NVR.



2. On the main screen, click the **Configure** button, select **System Configure** and select **IP Camera Install**.

		F	
	System Configure	×	General Setting
	Accessories	•	IP Camera Install
	Tools	•	Password Setup 🔹 🕨
L			Startup
			System Log Setting
			Auto Reboot Setup
			Send Alerts Approach Setup
			System Idle Protection Setting

3. Select Add Camera.







Select Brand			Do	omain name/public IP of the
Server IP : HTTP Port :	geoipcamera.dlinkddns.com 81	•	ca Int of	mera (linked directly to the ternet). Or domain name/public IP the router.
User name : Password :	admin			specific port number of the camera.
Brand :	Geo∀ision	•		
Device :	Please select the brand of IP camera	-		
Message :		Close		

Server IP: Type the domain name or public IP address of the camera. If the camera is residing on the LAN, type the domain name or public IP address of the router, for example, geoipcamera.dlinkddns.com.

Refer to <u>Step 3 Registering a domain name for the router</u> in the *B. Local Area Network* section earlier.

HTTP Port: Keep the default value 80. If the camera is residing on the LAN, type the specific HTTP port of the camera.

For example, type 81 for Camera 1 or type 82 for Camera 2.

Refer to <u>Step 2 Assigning a different port to each camera</u> in the *B. Local Area Network* section earlier.

- **Username:** Type the login username of the camera. The default value is **admin**.
- **Password:** Type the login password of the camera. The default value is **admin**.
- Brand: Select GeoVision.
- **Device:** Select the model name of the camera.





5. When the following dialog box appears, keep the default VSS (streaming) port value 10000. If the camera is residing on the LAN, type the specific VSS port of the camera.

For example, type 10000 for Camera 1 or type 10001 for Camera 2.

Refer to <u>Step 2 Assigning a different port to each camera</u> in the *B. Local Area Network* section earlier.

GeoVision_GV-CBW220	
Query	
Dual Streams Query	Cancel Status : Standby
Camera list	
Select	v
Port	(con default value 10000, or type
Port (10000 - 1	he specific VSS port number of
Stream Type	he camera.
🕫 Single Stream	© Dual Streams
Codec Type	
Preview:MPEG4(448X252) Record:H264(1920X10	180)
Deselution	
Preview and Record :	Record :
	Apply

- Click Query. When the Standby status appears, it indicates the camera is connected. Click Apply.
- 7. Right-click the camera, select **Display Position** and select a camera channel to display.

IP Device Setup										X
Server address	Port	Cam. NO.	Status		Video Resolution		Brand			1
geoipcamera.dlink	10001	No	Discon				<u></u>	FD120D_Seri	Add Camera	
geoipcamera.dlink	10000	No	Discon	Displ	ay position	<u> </u>	CAM.1	-CBW220		_
				Delet	e camera		CAM.2	CAM.2	0	
				Chan	ige setting		CAM.3		Scan Camera	
				Chan	ige Resolution		CAM.4			
				Remo	ote camera setting		CAM.5		Import Comoro	
				Dupli	cate Camera		CAM.6		import Camera	
				Netw	Jork Time Out		COM 7			

8. When the Connected status displays, the live image of the camera is displayed successfully on the GV-System.

IP Device Setup						×
Server address	Port	Cam. NO.	Status	Video Resolution	Brand	Add Comment
geoipcamera.dlink	10001	Camera2	Connected	320x256(MPEG4)&128	GeoVision_GV-FD120D_Seri	Add Camera
geoipcamera.dlink	10000	Camera1	Connected	448x252(MPEG4)&192	GeoVision_GV-CBW220	
						Scan Camera
						Import Camera





3. Mobile Phone

You can use a variety of mobile phones to access the GV-IP Camera remotely. For the detailed introduction and instructions, see *Chapter 18 Mobile Phone*, *GV-IPCAM H.264 User's Manual* on the GV-IPCAM H.264 Software DVD. In this document, we only introduce how to connect to the IP camera using Apple and Android smartphones.

For users of iPhone, iPod touch and iPad:

1. Download and install **GV-Eye / GV-Eye HD** from App Store. The GV-Eye / GV-Eye HD icon appears on the desktop.



- 2. Tap the **Add** button to add a camera for connection.
- 3. Type the connection information, login username and password of the camera.







- Host name: Name the camera.
- Domain/IP: Type the domain name or public IP address of the camera. If the camera is residing on the LAN, type the domain name or public IP address of the router, for example, geoipcamera.dlinkddns.com.

Refer to <u>Step 3 Registering a domain name for the router</u> in the *B. Local Area Network* section earlier.

Port: Keep the default VSS (streaming) port value1000. If the camera is residing on the LAN, type the specific VSS port of the camera.

For example:

For Camera 1, type 10000.

For Camera 2, type 10001.

Refer to <u>Step 2 Assigning a different port to each camera</u> in the *B. Local Area Network* section earlier.

- **Username:** Type the login username of the camera. The default value is **admin**.
- **Password:** Type the login password of the camera. The default value is **admin**.
- 4. Tap the **Save** button. The camera is added to the connection list. Click the camera on the list to access it live images.



For detailed instructions, see this document http://www.geovision.com.tw/upload/en/mobileap/GV-Eyev112.pdf





For users of Android smartphones and tablets:

1. Download and install **GV-Eye** from Android Market. The GV-Eye icon appears on the desktop.



- 2. Tap the **Menu** button to access the address book.
- 3. Tap the **Add** button to add a camera for connection.
- 4. Type the connection information, login username and password of the camera.







- **Profile name:** Name the camera.
- IP: Type the domain name or public IP address of the camera. If the camera is residing on the LAN, type the domain name or public IP address of the router, for example, geoipcamera.dlinkddns.com.

Refer to <u>Step 3 Registering a domain name for the router</u> in the *B. Local Area Network* section earlier.

Port: Keep the default VSS (streaming) port value1000. If the camera is residing on the LAN, type the specific VSS port of the camera.

For example:

For Camera 1, type 10000.

For Camera 2, type 10001.

Refer to <u>Step 2 Assigning a different port to each camera</u> in the *B. Local Area Network* section earlier.

- **Username:** Type the login username of the camera. The default value is **admin**.
- **Password:** Type the login password of the camera. The default value is **admin**.
- 5. Tap the **Connection** button **I** to connect to the camera and see the live images.





F. Remote Playback

You can remotely play back the video files saved on the memory card of the GV-IP Camera.

1. For the first-time user, you need to install the **Remote ViewLog** player from the GV-IPCAM H.264 Software CD to the remote computer.



2. Install GeoVision Remote ViewLog.

GV-BX, BL, VD, FD, MFD, CB and FE Serie Languages	es IP Camera Install DVD	
GeoUision:		
	GeoVision IP Device Utility	
	GeoVision Multi View	
	GeoVision Remote E-Map	
	GeoVision E-Map Server	
	GeoVision Remote ViewLog	
	IFS Drivers	
	WaterMark Proof	
	Browse User's Manual	
	* *	

3. Run Remote ViewLog.

CeoVision	GV-NVR Sy	🛅 GV-NVR	۰ ج-	
All Progr	ams 🜔	💼 Remote Viewlog	•	🛄 Remote Viewlog
		🖉 Log Off [🧿	Turn Off Comput	er Uninstall
🛃 start	60	SnagIt	9	GV IP Device Utility





4. When the Remote ViewLog player appears with the following selections, select **Remote ViewLog Service**.



5. Type the connection information, login username and password of the camera.

Connect to Remote View	vlog Service	Domain name/public IP of the camera (linked directly to the
IP Address :	geoipcamera.dlinkddn 🚽	Internet). Or domain name/public IP of the router.
Port : ID : Password :	admin	Keep default value 5552, or type the specific ViewLog port number
Host Type :	Cancel	or the camera.

IP Address: Type the domain name or public IP address of the camera. If the camera is residing on the LAN, type the domain name or public IP address of the router, for example, geoipcamera.dlinkddns.com.

Refer to <u>Step 3 Registering a domain name for the router</u> in the *B. Local Area Network* section earlier.

Port: Keep the default ViewLog port value 5552. If the camera is residing on the LAN, type the specific ViewLog port of the camera.

For example:

For Camera 1, type 5552.

For Camera 2, type 5553.

Refer to <u>Other ports used by GV-IP Camera</u>, Step 2 Assigning a different port to each camera in the *B. Local Area Network* section earlier.

- **ID:** Type the login username of the camera. The default value is **admin**.
- **Password:** Type the login password of the camera. The default value is **admin**.
- Host Type: Select GV-IP Device.





- 6. Click **OK**. The video files of the camera are displayed on the Video Event List, and playback starts.
- 7. Next time when you want to play back video from any IP camera on the same computer, just log in the camera and select **Remote ViewLog** on the left menu to start the Remote ViewLog player.

