

Quick Start Guide

GV-Mobile Server V1.3



Welcome to the *GV-Mobile Server Quick Start Guide*. You will be guided through the basic installation and configuration of GV-Mobile Server. For the detailed user manual, see *GV-Mobile Server User Manual* on the Software CD.

Packing List

- GV-USB Dongle for connections with GV-Recording Server / GV-Video Gateway, third-party IP devices and GV-IP devices directly
- GV-Mobile Server Software CD
- GV-Mobile Server Quick Start Guide

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

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English
MBSV13-QG-A

Depending on the resolution, video compression format and the number of connected channels, **Standard Version** or **Advanced Version** requirement shall be met.

Minimum System Requirements

Standard Version

OS	32-bit	Windows 7 / Server 2008
	64-bit	Windows 7 / Server 2008 R2
CPU	Core i3 2120K, 3.3 GHz	
RAM	2 GB x 2	
Hard Disk	1 GB or more for installation	
Graphic Card	AGP or PCI-Express, 1024 x 768, 32-bit color	
DirectX	9.0c	
LAN	Gigabit Ethernet X 1	
Hardware	Internal or external GV-USB Dongle	

Advanced Version

OS	64-bit	Windows 7 / Server 2008 R2
CPU	Core i7 2600K, 3.4 GHz	
RAM	2 GB x 2	
Hard Disk	1 GB or more for installation	
Graphic Card	AGP or PCI-Express, 1024 x 768, 32-bit color	
DirectX	9.0c	
LAN	Gigabit Ethernet x 2	
Hardware	Internal or external GV-USB Dongle	

Note:

1. The memory required may vary depending on the number of channels and resolution of videos received.
2. A GV-USB Dongle is required when you install the GV-Mobile Server V1.3 in an independent PC.
3. Optionally purchase an internal USB dongle for the Hardware Watchdog function.

The Advanced Version is highly recommended in any of the following conditions:

Resolution	Codec	No. of Connected Channels
CIF	H.264	32
VGA	H.264	12 or more
D1	H.264	11 or more
1 MP	H.264	5 or more
2 MP	H.264	3 or more
3 MP	H.264	3 or more
4 MP	H.264	3 or more
5 MP	H.264	6 or more

Note: These data may vary in different scenes (different data bitrates).

Options

Optional devices can be purchased to assist your surveillance management.

Optional Device	Description
Internal GV-USB Dongle	An Internal GV-USB Dongle provides the hardware watchdog function to GV-Mobile Server by restarting the computer when Windows crashes.

Compatible Firmware

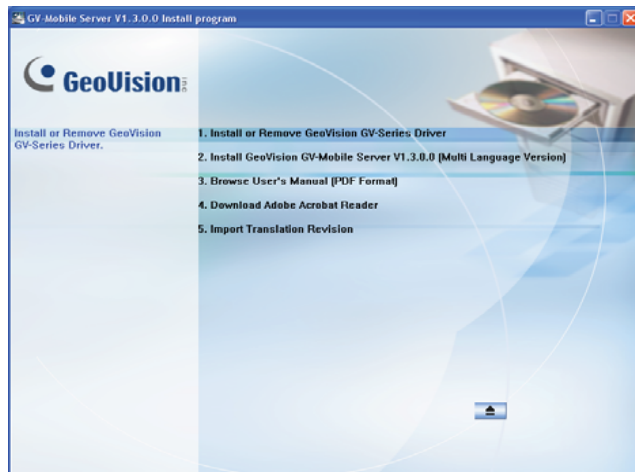
- GV-System: V8.5.3.0 or later
- GV-Recording Server / GV-Video Gateway: V1.1.0.0 or later
- GV-IP devices: V1.09 or later

Installing the GV-Mobile Server

You can install GV-Mobile Server on a dedicated computer or a computer installed with GV-System to decode video streams from:

- GV-System
- GV-Recording Server / GV-Video Gateway
- GV-IP devices
- third-party IP cameras through ONVIF / PSIA

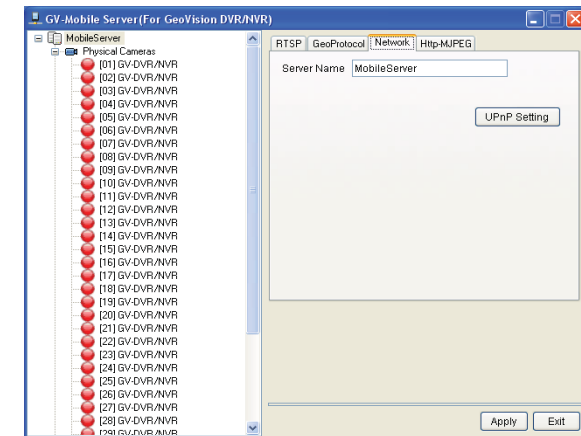
1. Insert GV-USB Dongle to a dedicated computer or server.
2. Insert the Software CD to the computer. This window pops up automatically.



3. To install **USB driver**, select **Install or Remove GeoVision GV-Series Driver** to start.
4. To install **GV-Mobile Server**, select **Install GeoVision GV-Mobile Server V1.3.0.0 Server System** and select **GeoVision GV-Mobile Server V1.3.0.0 Server System** to start.

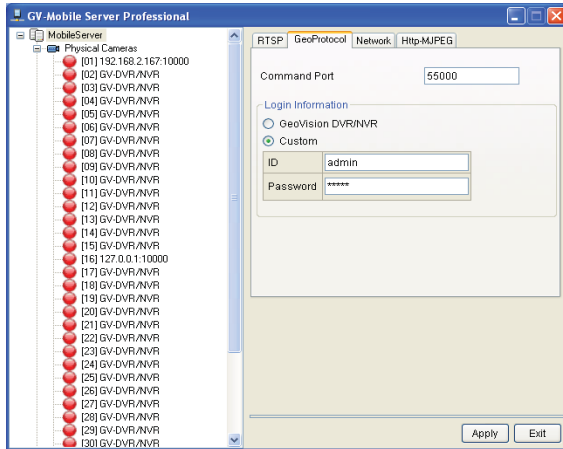
Starting the GV-Mobile Server

1. Go to Windows **Start**, point to **Programs**, select **GV-Mobile Server**, and then run **Mobile Server**. The GV-Mobile Server window appears.
2. To change the server name or to configure UPnP settings, click the **Network** tab.



3. Type a new server name.
4. Click the **UPnP Setting** button to automatically configure the ports on your router.

5. By default, the ID and password for logging in the GV-Mobile Server are **admin**, and the Command Port for client connection is **55000**. To customize these values, click the **GeoProtocol** tab to modify the Command Port and select **Custom** to modify the login ID and password.

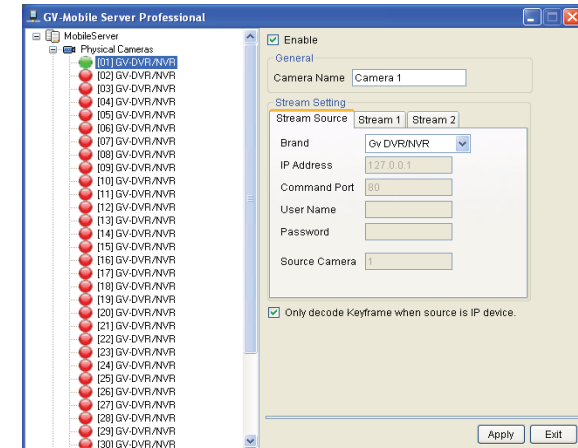


6. Click **Apply**.

Note: If you are installing GV-Mobile Server and GV-System on the same computer, select **GeoVision DVR/NVR** to apply the currently logged-in ID and password of the GV-System to the GV-Mobile Server. To apply the login values of GV-System to GV-Mobile Server, the GV-System must be run in the background.

Connecting to GV-System

1. Select a camera from the left menu and click the **Stream Source** tab. This window appears.

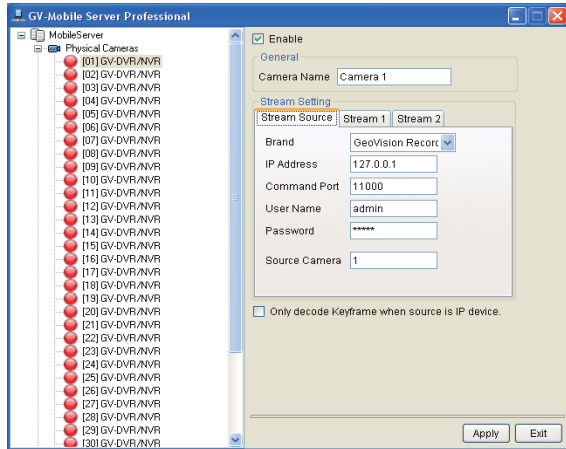


2. Select **GV DVR/NVR** for **Brand**.
3. To only decode key frames, select **Only decode key frame when source is IP device**.
4. Click **Apply**.

When the camera is connected, the red icon turns green. You can right-click the camera icon to access the live view.

Connecting to GV-Recording Server / GV-Video Gateway

1. Select a camera from the left menu and click the **Stream Source** tab. This window appears.



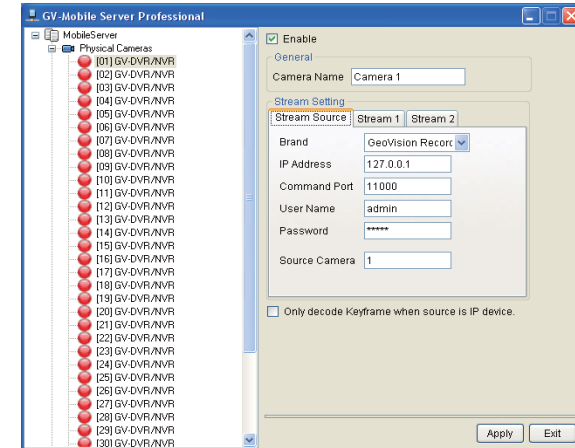
2. Configure the connection settings.
 - A. Select **GeoVision Recording Server** for **Brand**.
 - B. Type the **Command Port**, **IP Address**, **User Name** and **Password** of the GV-Recording Server / GV-Video Gateway. The default command port for GV-Recording Server / GV-Video Gateway is **11000**.
 - C. Type the camera number for live view in **Source Camera**. The default is **1**.
3. To only decode key frames, select **Only decode key frame when source is IP device**.
4. Click **Apply**.

When the camera is connected, the red icon turns green. You can right-click the camera icon to access the live view.

Note: The TCP/IP Connection port (active connection port) on the GV-Recording Server / GV-Video Gateway must match the Command port setting (default 11000) here.

Connecting to IP Devices Directly

1. Select a camera from the left menu and click the **Stream Source** tab. This window appears.



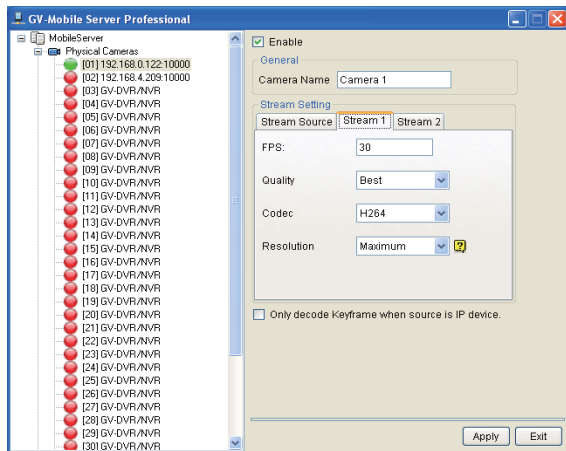
2. Configure the connection settings.
 - A. Select **GeoVision IP Device** for **Brand**. To connect to a third-party IP device, select **ONVIF** or **PSIA** for **Brand**.
 - B. Type the **IP Address**, **User Name** and **Password** of the IP device.
 - C. Make sure the **Command Port** matches the **VSS Port** of the IP device. The default command port for GV-IP devices is **10000** and **80** for third-party IP devices connected through ONVIF / PSIA.
 - D. Type the camera number for live viewing in **Source Camera**. The default setting is **1**.
 - E. To only decode key frames, select **Only decode key frame when source is IP device**.
3. Click **Apply**.

When the camera is connected, the red icon turns green. You can right-click the camera icon to access the live view.

Setting the Individual Channel

For each individual channel, you can set up two streams, each with different frame rates, video qualities, codec and resolutions. The maximum resolution is D1 (720 x 480).

1. In the left menu, click a camera channel. The setting page for that camera appears.



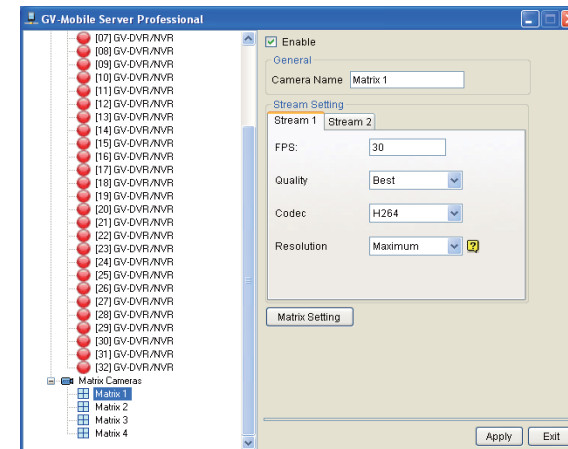
2. Select **Enable** to enable the camera.
3. Under Stream Setting, the following settings are available.
 - **FPS:** Specifies the frames per second.
 - **Quality:** Set the image quality to **Best**, **Better** or **General**.
 - **Codec:** Set the codec type to **MJPEG** or **H.264**.
 - **Resolution:** Select a resolution. When Maximum is selected, the resolution will be D1. If the camera's maximum resolution is lower than D1, the maximum resolution will be applied.
4. To set up the other stream, click the **Stream 2** tab and complete the above settings.
5. Click **Apply**.

To preview the configured live view, right-click the camera icon in the left and select **View Encode Stream 1** or **View Encode Stream 2**.

Setting Matrix Channels

You can establish up to **4** matrix channels on GV-Mobile Server, each consisting of up to **32** cameras. You can also set up different settings (frame rates, codec video quality and resolution) for stream 1 and stream 2 of a channel. The maximum resolution supported is 1.3 MP (1280 x 1024).

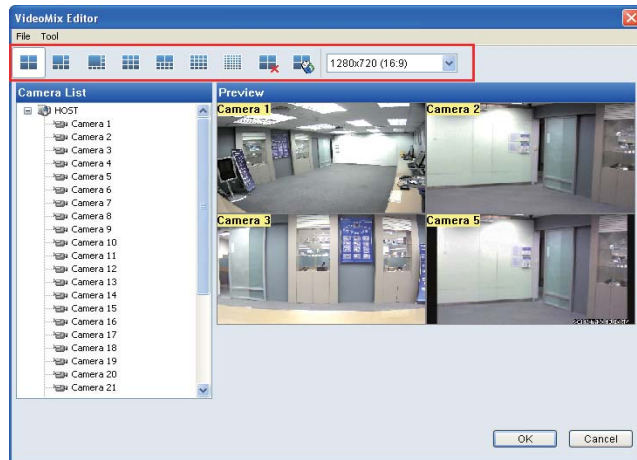
1. In the left menu, click a matrix channel. This window appears.



2. Configure **Stream 1** and **Stream 2**. For details, see *Setting the Individual Channel* mentioned earlier in the *Quick Start Guide*.

Note: When Maximum is selected, the resolution of the matrix channel will be 1.3 M.

- Click the **Matrix Setting** button to arrange the matrix. This window appears.



- Select a type of screen division and select the display ratio.
- Drag and drop the camera numbers to the desired positions on the divisions.
- Click **OK** and then click **Apply**.

You can right-click the camera icon on the main window to access the live view.

Using GV-IP Decoder Box / GV-Pad

To view GV-Mobile Server channels from GV-IP Decoder Box / GV-Pad, see *5.1 Using GV-IP Decoder Box / GV-Pad* in *GV-Mobile Server User's Manual* on Software CD.

Using iPhone / iPod Touch / iPad

To view GV-Mobile Server channels from iPhone, iPod Touch or iPad, see *5.2 Using iPhone / iPod Touch / iPad* in *GV-Mobile Server User's Manual* on Software CD.

Using Android Smartphone / Tablet

To view GV-Mobile Server channels from Android Smartphone or tablet, see *5.3 Using Android Smartphone / Tablet* in *GV-Mobile Server User's Manual* on Software CD.

Using Third-Party Surveillance Software

To view GV-Mobile Server channels from third-party surveillance software through RTSP, see *5.4 Using Third-Party Surveillance Software* in *GV-Mobile Server User's Manual* on Software CD.

Using Non-IE Browsers

You can access GV-Mobile Server channels from non-IE browsers in MJPEG codec. For details, see *5.5 Using Non-IE Browsers* in *GV-Mobile Server User's Manual* on Software CD.



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