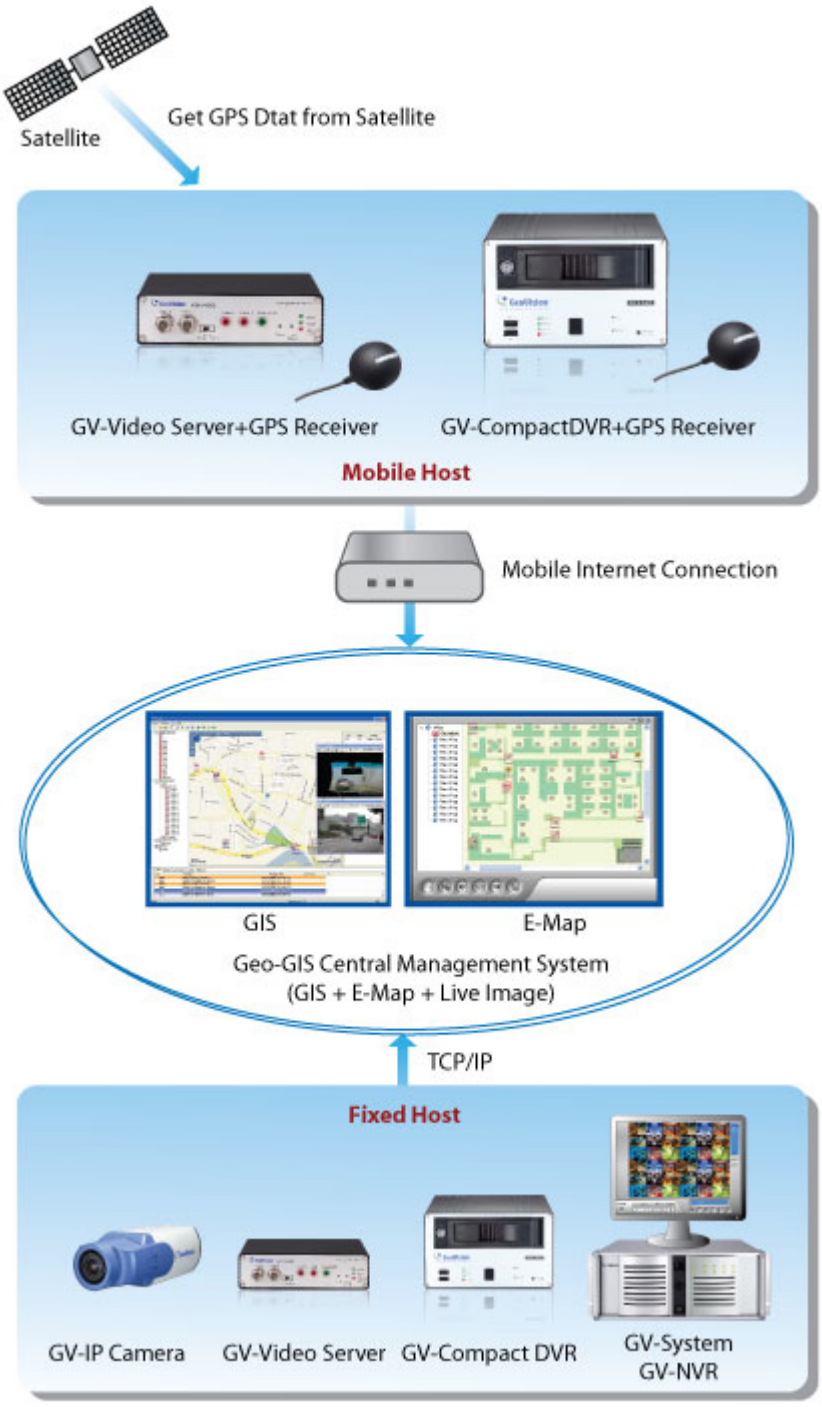
INTRODUCTION

The GV-GIS is a GIS (Geographic Information System) based central management system for GeoVision devices.

The vehicle tracking and remote location verification from the GV-GIS is made possible by the GPS receiver attached to GV-Video Server and GV-Compact DVR to constantly obtain the GPS data (vehicle coordinates and speed) from the satellite, and through mobile internet connection (e.g. UMTS, EV-DO, EDGE, GPRS, GSM, etc) to transmit the GPS data to the GV-GIS.

Besides real-time vehicle tracking, you can also monitor the location of cameras and the status of I/O devices from the DVR and NVR, without GPS functions for city surveillance.



Features

- GIS central management system
- 500 vehicles tracking at one time
- Real-time vehicle GPS coordinates
- Real-time vehicle video image
- Google Maps, Microsoft Virtual Earth and user-defined maps support
- GPS Tracks playback
- Detour Detection
- Idle Speed Detection
- Over Speed Detection
- E-Map Support
- Motion and Input-triggered alert for fixed hosts
- Customized landmark (interested points) setting
- Integration with GV-I/O Box, GV-Video Server, GV-Compact DVR, GV-IP Camera, GV-System and GV-NVR
- GIS Web Interface for remote monitoring and tracking

Minimum System Requirements

OS	32-bit	Windows XP / Vista / 7 / 8 / Server 2008
	64-bit	Windows 7 / 8 / Server 2008 / Server 2012
CPU		Core i3 2120K 3.3 GHz / Core i5 2500K 3.3 GHz / Core i7 2600K 3.4 GHz See the table below for detail
Memory		2 X 1 GB Dual Channels
Hard Disk		1 GB.
Graphic Card		AGP or PCI-Express, 800 x 600 (1280 x 1024 recommended), 32-bit color
Direct X		9.0c
Browser		Internet Explorer 7.X
Software		.Net Framework 3.5
Hardware		External or Internal GV-GIS Dongle

Note: The .Net Framework can be found in the Software DVD.

Software License

Free License	N/A
Maximum License	500 mobile hosts
Increment for Each License	1, 3, 5, 10 or 10 plus an increment of 5 up to a total of 500 vehicle connections
Optional Combinations	1. GIS 2. GIS + VSM
Dongle Type	Internal or external

Note: It is recommended to use the internal GV-USB Dongle to have the Hardware Watchdog function which restarts the PC when Windows crashes or freezes.

Total Frame Rate based on CPU Type

The total frame rates (fps) of 16 live views are listed below according to the resolution, codec and CPU type.

		CPU		
		Core i3 2120K	Core i5 2500K	Core i7 2600K
Resolution	Codec	Total Frame Rate (fps)		
320 x 240	H.264	480		
	MJPEG			
	MPEG4			
640 x 480	H.264	390	480	
	MJPEG	480		
720 x 480	H.264	390	480	
	MJPEG	450		
	MPEG4	480		
1280 x 1024	H.264	180	330	450
	MJPEG	240	450	480
1920 x 1080	H.264	120	210	270
	MJPEG	240	330	480
2048 x 1536	H.264	80	140	200
	MJPEG	180	240	320
2048 x 1944	H.264	75	120	165
	MJPEG	135	180	240
2560 x 1920	H.264	90	130	160
	MJPEG	130	160	160

Specifications

Feature	Amount	Device
Mobile Host	Up to 500 hosts depending on the Dongle in use)	GV-Video Server GV-Compact DVR
Fixed Host	Unlimited	GV-DVR/NVR, GV-Video Server, GV-Compact DVR, GV-IP Cam, GV-Speed Dome, GV-Smart Box, GV-I/O Box 8/16 Ports (Ethernet Module), GV-LPR GV-DSP LPR, 3rd-party IP devices
I/O Module	9 units	GV-I/O GV-I/O Box (4/8/16 Ports)
Live View	16 views	Mobile Hosts + Fixed Hosts
Map View	16 views	Mobile Hosts
Marker	Unlimited	
ViewLog	1	Remote ViewLog program required to be installed
Instant Playback	1	
Language	Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian /Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish	