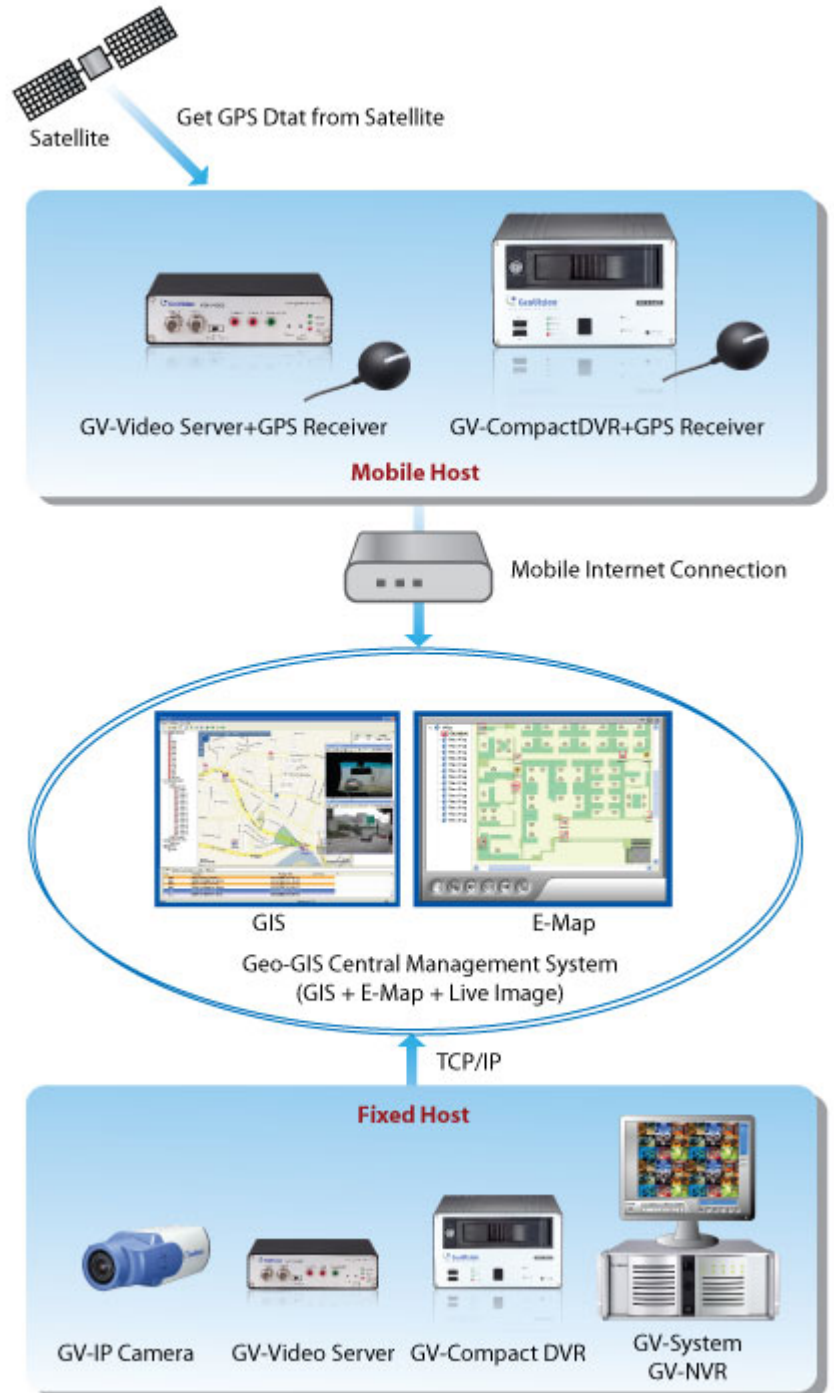## INTRODUCTION

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

Standard Version			
		10 Mobile-Host Map Views	**10 Mobile-Host Map Views with up to 10 Megapixel Live Views**
OS	32-bit	Windows XP, Windows Vista, Windows 7, Windows Server 2008	
	64-bit	Windows 7, Windows Server 2008	
CPU		Pentium 4, 3.0 GHz with HT	Core 2 Quad 8300, 2.5GHz
Memory		2 X 512 MB Dual Channels	2 X 1 GB Dual Channels
Hard Disk		The hard disk space required to install GV-GIS (Standard Version) must be at least 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	

Advanced Version (Up to 500 Mobile Hosts)			
		16 Mobile-Host Map Views	**16 Mobile-Host Map Views with up to 16 Megapixel Live Views**
OS	32-bit	Windows XP, Windows Vista, Windows 7, Windows Server 2008	
	64-bit	Windows 7, Windows Server 2008	
CPU		Pentium 4, 3.0 GHz with HT	Core I5-750, 2.67GHZ
Memory		2 X 1 GB Dual Channels	2 X 1 GB Dual Channels
Hard Disk		The hard disk space required to install GV-GIS (Advanced Version) must be at least 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:
1. DirectX and .Net Framework can be found in the Software DVD.
2. The minimum system requirements are collected by using the GV-IPCam 1.3M for test, and may vary based on connected IP device models

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	