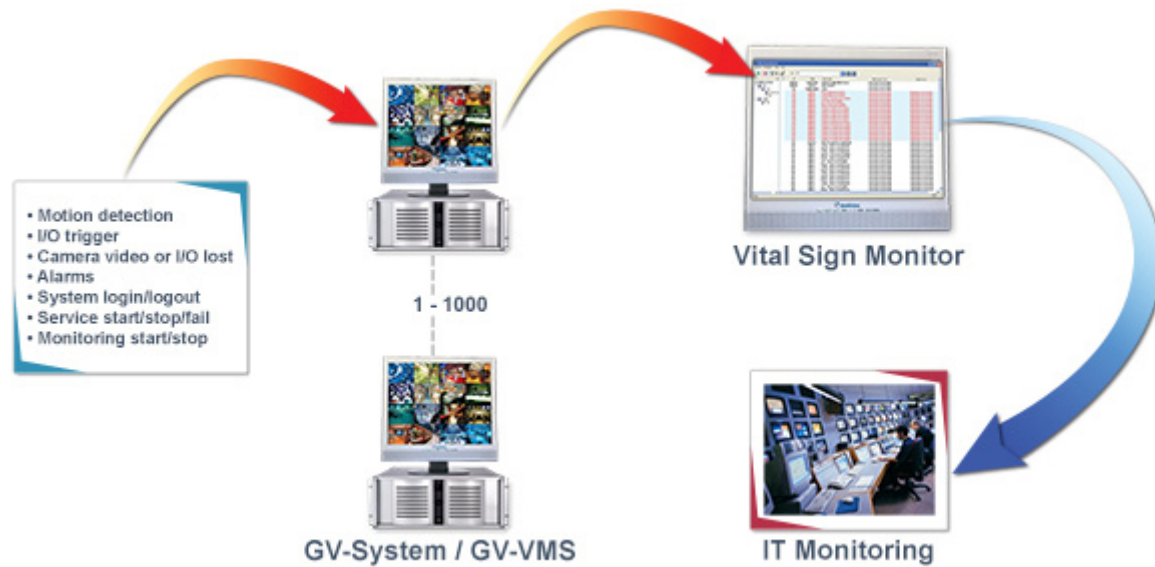# GV-Vital Sign Monitor

INTRODUCTION

The GV-VITAL SIGN MONITOR is event-alert text messages service recommended for a large cluster of networked GV-System / GV-VMS where an enormous amount of maintenance service is required. When any online GV-System / GV-VMS is event-triggered, instant text messages will be sent to GV-VITAL SIGN MONITOR for IT operator to proceed with maintenance on the GV-System / GV-VMS cluster. Following the receipt of the messages, the GV-VITAL SIGN MONITOR can activate alarms to the operator's attention while sending emails and SMS alerts to local subscribers. The purpose of adopting GV-VITAL SIGN MONITOR is to help IT operators easily notice GV-System / GV-VMS health status and response instantly to various frequent events. It can co-work with GV-Center V2 Server and serve as many as 1,000 GV-Systems simultaneously.

REASONS OF RECOMMENDATION

- Time effective
- Cost effective
- Simplify maintenance procedure
- Low bandwidth requirements
- Text message only

MAIN FEATURES

- Create groups for GV-System / GV-VMS subscribers
- View subscribers ID, address book, storage info, camera, and input status
- Browse events for system service, connection, login/logout, motion detection, trigger, and alarm
- Up to 1,000 GV-System / GV-VMS subscribers manageable
- View Event Log
- Respond to alerts of video lost, motion detection, I/O module lost, I/O triggered, connection lost, surveillance system abnormality, intruder, missing object, unattended object, POS loss prevention, and disk full
- Send notification via alarms, SMS, and e-mail alerts
- Logon to SMS server at startup
- Automatic Connection Recovery
- Configuration password protection
- Enhanced network security
- Video/audio log keeping days notification
- Free storage space browse/report
- Recycle feature: Delete old files for non-stop recording
- Search events by types, ID, date and time
- Remote playback events with video attachments
- Flag bookmarks for the highlight of important events

GV-VITAL SIGN MONITOR VS. GV-CENTER V2

Features	GV-Vital Sign Monitor	GV-Center V2 Pro
Subscriber	1,000	500
Group	Yes	Yes
Bandwidth	4M bps	25M bps
Record Mode	No	Live / Attachment / Both
Live Subscriber Status	Yes	No
Auto Login	Yes	Yes
I/O Control	Yes	Yes
Short Message	Yes	Yes
Time Synchronization	Yes	Yes
Keep Day Notify	Yes	No
Message	Yes	Yes
Notification Alert Approach	Yes	Yes
Event Log Save As Access	Yes	Yes
Connection Lost Detection	Yes	Yes
I/O Device Support	Yes	Yes
Storage Information	Yes	No
Supported 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	

Minimum System Requirements

Standard Requirements		
OS	32-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008
	64-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008 / Server 2012 R2
CPU		Pentium 4, 3.0 GHz with Hyper-Threading
Memory		2 x 512 MB Dual Channels
Hard Disk		1 GB
Graphic Card		PCI-Express, 800 x 600 (1280 x 1024 recommended), 32-bit color
Direct X		9.0c
Hardware		Internal or External GV-USB Dongle

Note: If you want to perform GPU decoding for playback, refer to the *GPU Decoding Specifications*.

Advanced Requirements (Connects to 1000 DVR subscribers or more)		
OS	32-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008
	64-bit	Windows 7 / 8 / 8.1 / 10 / Server 2008 / Server 2012 R2
CPU		Core2 Duo E6600, 2.4 GHz
Memory		2 x 1 GB Dual Channels
Hard Disk		1 GB
Graphic Card		PCI-Express, 800 x 600 (1280 x 1024 recommended), 32-bit color
Direct X		9.0c
Hardware		Internal or External GV-USB Dongle

Note: If you want to perform GPU decoding for playback, refer to the *GPU Decoding Specifications*

GPU Decoding Specifications

A higher total frame rate can be achieved if your CPU or external VGA supports GPU decoding.

On-board VGA: GPU decoding is only supported when using the following Intel chipsets:
For **H.264** Video Compression • 2nd Generation Intel Core i3 / i5 / i7 Desktop Processors (Sandy Bridge) - only support 1 MP to 2 MP videos • 3rd Generation Intel Core i3 / i5 / i7 Desktop Processors (Ivy Bridge) • 4th Generation Intel Core i3 / i5 / i7 Desktop Processors (Haswell / Haswell Refresh) • 6th Generation Intel Core i3 / i5 / i7 Desktop Processors (Skylake) For **H.265** Video Compression • 6th Generation Intel Core i3 / i5 / i7 Desktop Processors (Skylake)
External VGA: GPU decoding is only supported when using NVIDIA graphics cards with compute capability 3.0 or above and memory 2 G or above. To look up the commute capability of the NVIDIA graphics cards, refer to: https://developer.nvidia.com/cuda-gpus.
Note: NVIDIA graphic cards do not support H.265 GPU decoding.
On-board VGA + external VGA: To have both the on-board VGA and external VGA perform GPU decoding, the VGAs must follow their respective specifications listed above.
Note: 1. If you have both on-board VGA and external VGA installed, the on-board VGA must be connected to a monitor for H.264 / H.265 GPU decoding. 2. You can install multiple external graphics cards if needed.

Software License

Free License	N/A
Maximum License	1000 subscribers
Increment for Each License	N/A
Optional Combinations	1. VITAL SIGN MONITOR 2. VITAL SIGN MONITOR + Center V2 3. VITAL SIGN MONITOR + Dispatch 4. VITAL SIGN MONITOR + Control Center 5. VITAL SIGN MONITOR + Control Center + Video Wall
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.

Options

Optional Devices	Description
Internal USB Dongle	The USB dongle can provide the Hardware Watchdog function to the GV- Vital Sign Monitor by restarting the computer when Windows crashes. You need to connect the dongle internally on the motherboard.
GV-IO Box (4 Ports V1.2)	GV-IO Box 4 Ports V1.2 provides 4 inputs and 4 relay outputs. It supports both DC and AC output voltages, and provides a USB port for PC connection.
GV-IO Box (8 Ports)	GV-IO Box 8 Ports provides 8 inputs and 8 relay outputs, and supports both DC and AC output voltages. You can connect the unit to the PC either by using its USB port or through network by using its Ethernet module.
GV-IO Box (16 Ports)	GV-IO Box 16 Ports provides 16 inputs and 16 relay outputs, and supports both DC and AC output voltages. You can connect the unit to the PC either by using its USB port or through network by using its Ethernet module.