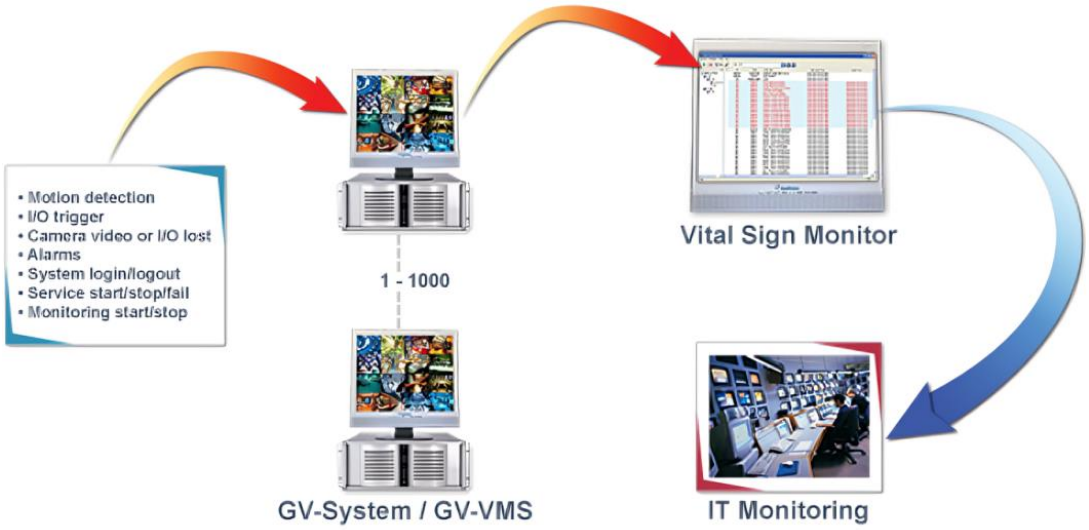
GV-Vital Sign Monitor



INTRODUCTION

GV-Vital Sign Monitor is an event-alert text messaging service for a large network of GeoVision software and IP devices. When any software or device is activated by events, text messages are sent to GV-Vital Sign Monitor, enabling operators to instantly perform maintenance and respond to various events. After receiving messages, GV-Vital Sign Monitor can activate output alarms to get the attention of the operator, as well as send emails and SMS alerts to local subscribers. It can serve up to 1,000 subscribers and work in conjunction with the video-alert-based GV-Center V2 system to provide comprehensive central monitoring.

REASONS OF RECOMMENDATION

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

MAIN FEATURES

- Up to 1,000 subscribers
- Subscriber status monitoring: video recycle, keep days, storage capacity, camera and I/O device status
- Event logs of system service, connection, login/logout, I/O trigger, motion detection, and alert events
- Event log search by event type, ID, date, time and message
- Notifications and alarms upon events: video lost, motion detection, I/O module lost, I/O triggered, connection lost, subscriber login/logout, surveillance system abnormality, intruder, missing object, unattended object, POS loss prevention, disk full and more
- Alert notifications via alarms, SMS and e-mails
- Subscriber schedule for monitoring period and alerts if not followed
- Remote playback of subscriber recordings

- Customized event tabs and message colors
- Event charts for daily, weekly, and monthly statistical analysis
- Alarm reports to detail the course of events
- Failover server for continuous monitoring

GV-Vital Sign Monitor VS. GV-Center V2 Pro

Features	GV-Vital Sign Monitor	GV-Center V2 Pro
Subscriber	1,000	500
Group	Yes	Yes
Bandwidth	4 Mbps	25 Mbps
Recording Mode	No	Live / Attachment / Both
Live Subscriber Status	Yes	No
Auto Login	Yes	Yes
Remote I/O Control	Yes	Yes
Short Message (SMS)	Yes	Yes
Time Synchronization	Yes	Yes
Keep Day Notification	Yes	No
Text Message	Yes	Yes
Notification Alert	Yes	Yes
Event Log	Yes	Yes
Connection Lost Detection	Yes	Yes
Local Output Alert	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	64-bit	Windows 10 / 11 / Server 2016 / Server 2019 / Server 2022
CPU		Intel Core i3 2130, 3.4 GHz
Memory		4 GB Dual Channels
Hard Disk		500 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 (for 1000 Subscribers)		
OS	64-bit	Windows 10 / 11 / Server 2016 / Server 2019 / Server 2022
CPU		Intel Core i5 2500, 3.7 GHz
Memory		4 GB Dual Channels
Hard Disk		500 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: To perform GPU decoding for playback, refer to the *GPU Decoding Specifications* later in the datasheet.		

Software License

Free License	N/A
Maximum License	1000 subscribers
Increment for Each License	N/A
Optional Combinations	1. GV-Vital Sign Monitor 2. GV-Vital Sign Monitor + Center V2 3. GV-Vital Sign Monitor + Dispatch Server 4. GV-Vital Sign Monitor + Control Center 5. GV-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.	

Compatible Products (Subscribers)

- GV-NVR
- GV-VMS
- GV-Recording Server / Video Gateway
- GV-SNVR: GV-SNVR0412 / 0812 / 1612
- GV-Video Server: GV-VS2400 / 2401 / 21600 (HD Video Encoder)
- GV-IP Camera: only supports the following models
  - GV-MD8710-FD, GV-EFD4700, GV-MFD2700
  - GV-VD5711/ VD2712 / VD2702
  - GV-EBL4702
  - GV-FER12700 / FER5701 / EFER3700
  - GV-BX12201 / BX8700-FD / BX4700 / BX2700-FD / BX2600-FD
- UA-HD DVR
  - UA-XVL810: firmware V1.12 or later
  - UA-XVL1610: firmware V1.11 or later
  - UA-XVL1611: firmware V1.00 or later
  - UA-XVR810: firmware V1.11 or later
  - UA-XVR1620: firmware V1.02 or later
- UA-SNVR
  - UA-SNVRL810-P: firmware V1.11 or later
  - UA-SNVR1620-P: firmware V1.12 or later
  - UA-SNVR3240-N: firmware V1.10 or later
- GV-RNVR
  - GV-RNVRL810-P
  - GV-RNVR256G0-N
  - GV-RNVR3240-N

Note:

1. Refer to this document for active software versions.
2. Integration with UA-HD DVR, UA-SNVR, and GV-RNVR series models are for GV-Vital Sign Monitor V18.4.0 or later.

GPU Decoding Specifications

A higher total frame rate can be achieved if your CPU comes with onboard GPU or is connected to external GPU for GPU decoding.

Onboard GPU: GPU decoding is only supported when using the following Intel CPU:

For **H.264** Video Compression

- 2nd ~ 8th Generation Intel Core i3 / i5 / i7 Desktop Processors
- 9th ~ 11th Generation Intel Core i3 / i5 / i7 / i9 Desktop Processors

For **H.265** Video Compression

- 6th ~ 8th Generation Intel Core i3 / i5 / i7 Desktop Processors
- 9th ~ 11th Generation Intel Core i3 / i5 / i7 / i9 Desktop Processors

External GPU: GPU decoding is only supported when using NVIDIA graphics cards with compute capability 3.0 or above and memory 2 GB or above. To look up the commute capability of the NVIDIA graphics cards, refer to: https://developer.nvidia.com/cuda-gpus.

Note:

1. One external NVIDIA graphic card can be supported to perform GPU decoding at free of charge.
2. GeForce GTX1060 is not supported.

Onboard GPU + external GPU: To have both the onboard and external GPU to perform GPU decoding, the GPUs must follow their respective specifications listed above.

Note:

1. If you have both onboard and external GPU installed, the onboard and external GPU must be connected to a monitor for H.264 / H.265 GPU decoding.
2. You can install multiple external graphics cards if needed.

Options

Optional Devices	Description
GV-IO Box Series	GV-IO Box series provides 4 / 8 / 16 inputs and relay outputs, and supports both DC and AC output voltages, with optional support for Ethernet module and 4E additionally supporting PoE connection.