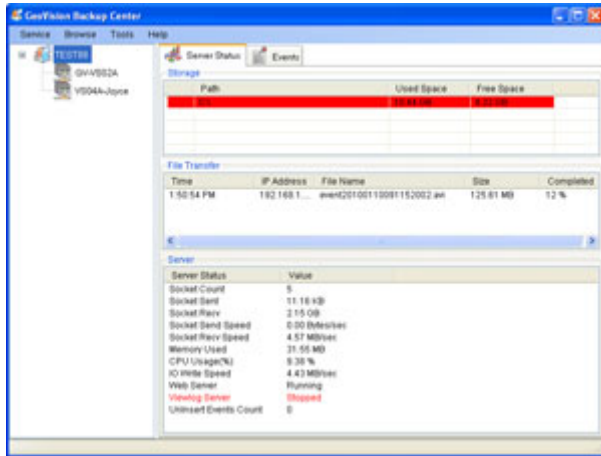
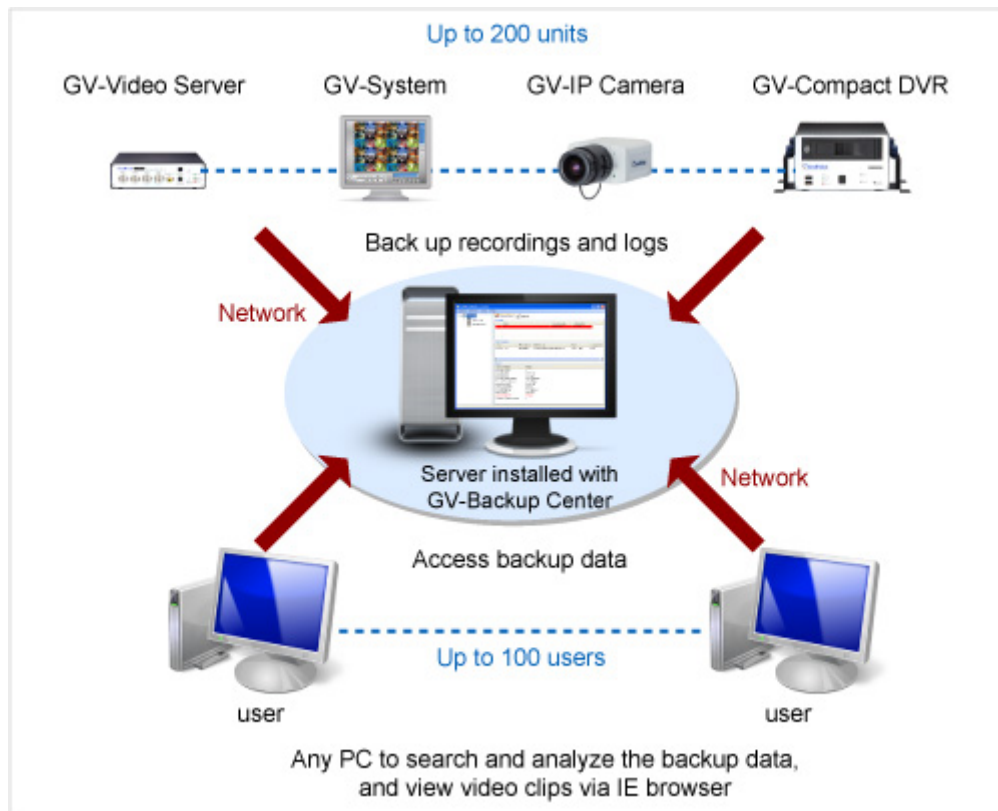


GV-Backup Center



INTRODUCTION

The GV-Backup Center program provides you with a secure and affordable remote backup solution for the GV-System, and GV-IP Devices. The GV-Backup Center can automatically store a copy of recordings and logs to the offsite location. If a disaster strikes where the GV-System and GV-IP Devices is located, the recording data remain safe in a different location.



Features

- Remote backup
- Up to 200 units of GV-System and GV-IP Devices supported
- Up to 10 backup rules for working and non-working days independently
- Support for backing up GV-System recordings according to event types (all types, motion or I/O trigger)
- E-Mail alerts for low disk space, disconnection and file transfer failure
- Online data analysis by Event Count, File Size and Time
- Failover support (GV-IP Devices only)

Compatible GV IP Devices

- GV-Video Server:
 - GV-VS02A firmware version 1.03 or later
 - GV-VS04A firmware version 1.02 or later
 - [GV-VS04H](#) firmware version 1.04 or later
 - [GV-VS12](#) firmware version 1.03 or later
 - [GV-VS14](#) firmware version 1.00 or later
- GV-Compact DVR V2 firmware version 1.04 or later
- [GV-Compact DVR V3](#) firmware version 1.0 or later
- GV-System: version 8.5.5 or later
- GV-IP Devices:
 - GV-BX120D-E / 220D-E / 320D-E / 520D-E firmware version 1.03 or later
 - GV-BX120D / 140DW / 130D / 220D / 320D / 520D / 2400 Series / 3400 Series firmware version 1.03 or later
 - GV-BL120D / 130D / 220D / 320D firmware version 1.03 or later
 - GV-FD120D / 220D / 320D firmware version 1.03 or later
 - GV-MFD120 / 130 / 220 / 320 / 520 firmware version 1.03 or later
 - GV-MDR120 / 220 / 320 / 520 firmware version 1.03 or later
 - GV-VD120D / 220D / 320D firmware version 1.03 or later
 - GV-CA120 / 220, GV-CAW120 / 220 firmware version 1.03 or later
 - GV-CB120 / 220, CBW120 / 220 firmware version 1.03 or later
 - GV-FE420 / 421 / 520 / 521, GV-FER521 firmware version 1.03 or later
 - GV-SD220 / GV-SD220-S firmware version 1.00 or later

Minimum System Requirements

The following is minimum system requirements for the server to run the GV-Backup Center.

OS	32bit	Windows XP / Vista / 7 / 8 / Server 2008
	64bit	Windows 7 / 8 / Server 2008 / Server 2012
CPU	Core 2 Duo, E6600, 2.4 GHz	
Memory	2 X 1 GB Dual Channels	
Hard Disk	1 GB.	
Software	.Net Framework 3.5	
Browser	Internet Explorer 7.X	
Hardware	Internal or External GV-USB Dongle	

Note:

1. DirectX and .Net Framework can be found in the accompanying software DVD.
2. 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.

Software License

Free License	N/A
Maximum License	200 clients
Increment for Each License	N/A
Optional Combinations	N/A
Dongle Type	Internal or external

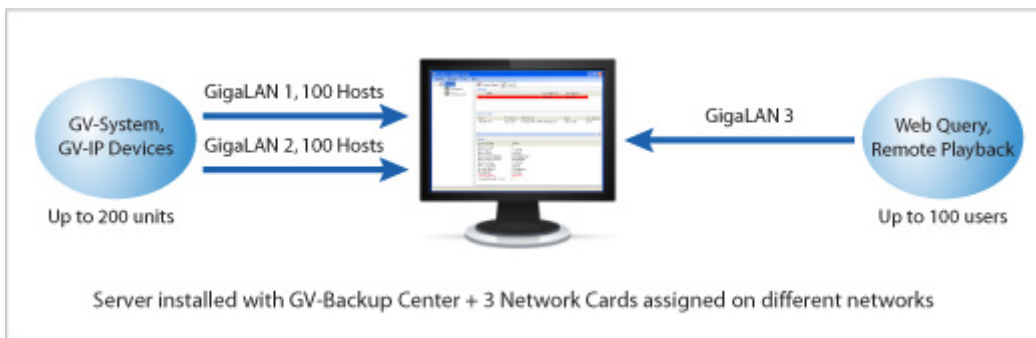
Recommended System Requirements

The server's backup speed and transmitting capacity vary depending on the number of Gigabit connections. The number of Gigabit network cards required to receive 200 hosts and to support remote access of backed up data are listed below according to the resolution of the source video.

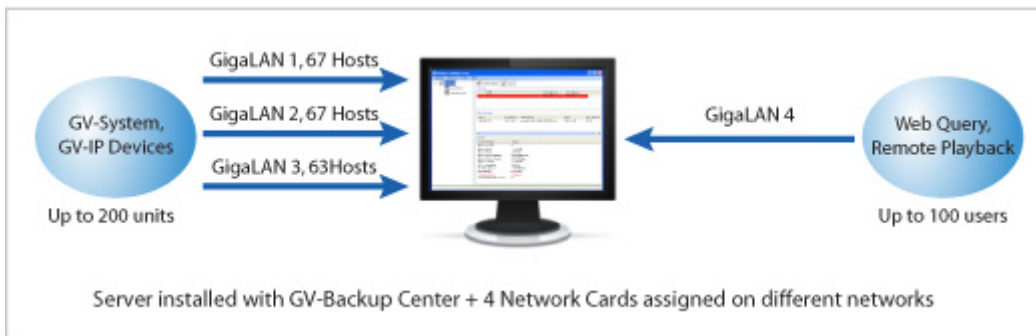
Also note the maximum number of hosts supported by a single hard disk to calculate the number of hard disks required.

Resolution	FPS	Codec	Gigabit Network Cards Required		Max. hosts per HDD
			Receiving 200 hosts	For Playback / Web Query access	
1.3 M	30 fps	H.264	Gigabit network card x 2 (up to 100 hosts per card)	Gigabit Network Card x 1	32 hosts
2.0 M	30 fps	H.264	Gigabit Network Card x 3 (up to 67 hosts per card)	Gigabit Network Card x 1	21 hosts
3.0 M	20 fps	H.264	Gigabit network card x 2 (up to 100 hosts per card)	Gigabit Network Card x 1	32 hosts
4.0 M	15 fps	H.264	Gigabit Network Card x 3 (up to 67 hosts per card)	Gigabit Network Card x 1	24 hosts
5.0 M	10 fps	H.264	Gigabit Network Card x 3 (up to 67 hosts per card)	Gigabit Network Card x 1	24 hosts

1 MP / 3 MP Source Video



2 MP / 4 MP / 5MP Source Video



Specifications

Feature	Device
Number of hosts	200 units of GV-System and GV-IP Devices
Number of user accounts	100 in total including Supervisors and Users
Backup schedule	Yes
Backup rules	10 rules for working and non-working days independently
E-mail alert	Low disk space, disconnection, file transfer failure
Disk space recycle	Yes
Keep Day	Definable and unlimited in number
System Log query	Web-based query pages
Video playback	Available through web-based query pages, or Remote ViewLog Playback program additionally installed from Software DVD
Language	Danish, English, French, German, Hebrew, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Serbian, Simplified Chinese, Spanish, Traditional Chinese, Turkish

Note: All specifications are subject to change without notice.