

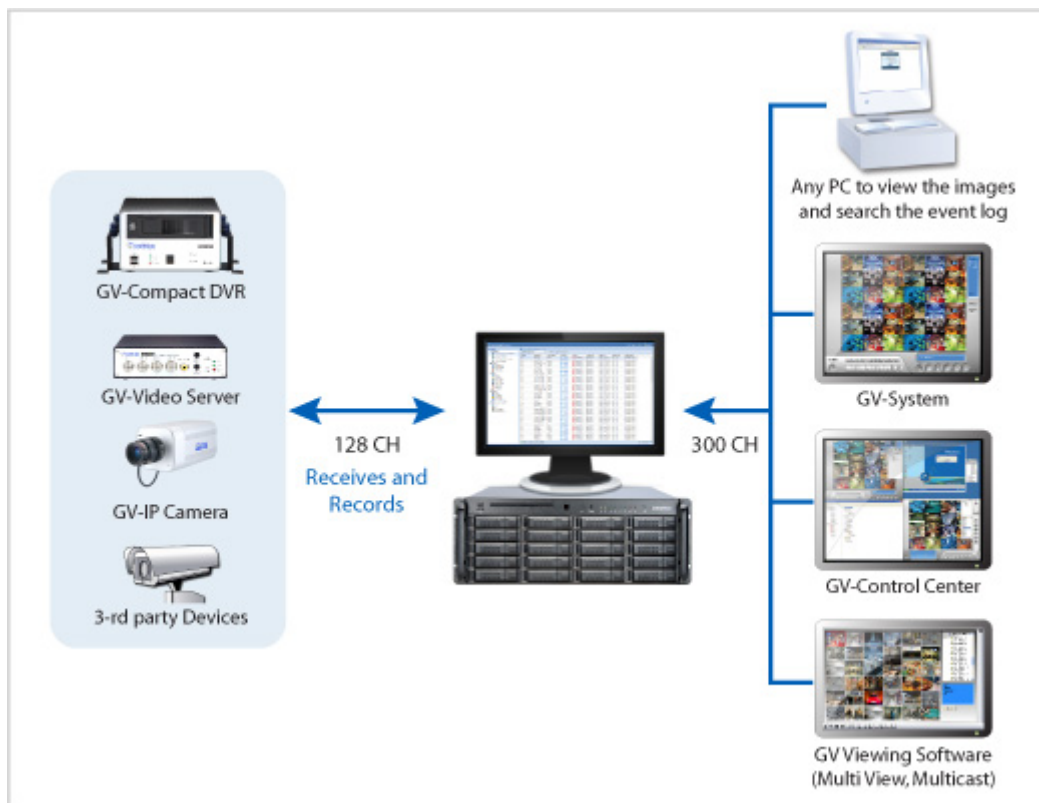
GV-Hot Swap Recording Server System



INTRODUCTION

The GV-Hot Swap Recording Server System is a video streaming server supported by a powerful data storage capacity and designed for large-scale video surveillance deployments. The 20 hot-swappable SATA hard disks can store more than 40 terabytes of recorded data depending on the HDD size.

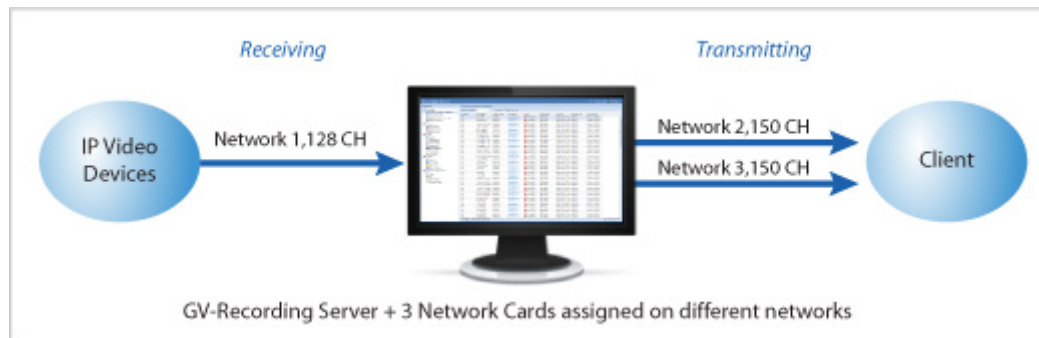
The built-in GV-Recording Server can receive and record up to 128 channels from various IP video devices. In addition, it can simultaneously distribute up to 300 channels to its clients which include GV-System (DVR/NVR system), GV-Control Center (central monitoring system) and Multi View (viewing software). Using the GV-Recording Server, the desired frame rates can be reached while the CPU loading and the bandwidth usage of IP video devices are significantly reduced.



Note: The arrows in the diagram indicate the direction of the connections.

NETWORK DEPLOYMENT

- The GV-Hot Swap Recording Server System, equipped with 3 network interface cards, has the capacity of receiving 128 channels and transmitting 300 channels to clients. It is recommended to set one network interface card for receiving video and two network interface cards for transmitting to clients.



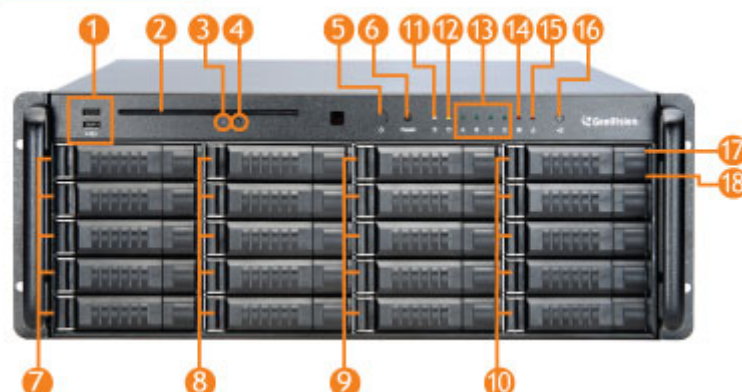
Features

- Windows Embedded 7 64-bit (x64)
- Powered by 2nd Generation Intel® Core™ i7 Processor
- 20 hot-swappable SATA drive bays for data storage
- Maximum storage capacity of more than 40 terabytes
- Simultaneous receiving and recording up to 128 IP channels
- Distributing up to 300 IP channels of video to clients
- Three Gigabit LAN ports
- Eight USB 2.0 ports and two USB 3.0 ports
- Recovery DVD in case of failure
- Web interface to remotely configure and monitor GV-Recording Server
- Two-way audio communication (only for GV-IP devices through active connection)
- Support for third-party IP video devices (Sony, Axis, VIVOTEK, Panasonic, HikVision, Arecont Vision)
- Support for ONVIF, PSIA and RTSP protocols
- Support for 16 languages



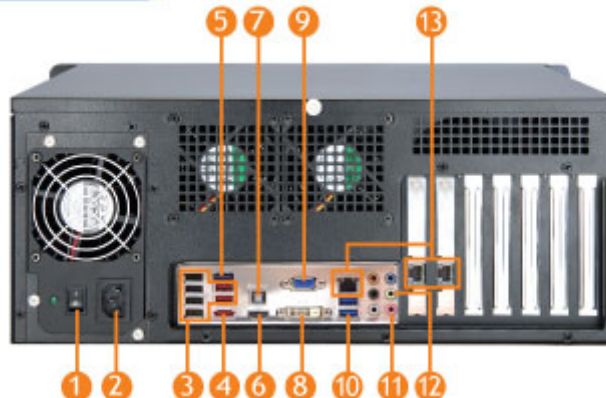
Overview

Front View



1	USB Port 2.0 x 2	10	HDD Group D
2	DVD(±) RW Drive	11	Power LED
3	DVD(±) RW Drive Activity LED	12	HDD Activity LED
4	DVD-eject button	13	HDD Group A - D LED
5	Power Button	14	System Alert LED
6	Reset Button	15	(Reserved)
7	HDD Group A	16	Alarm Mute Button
8	HDD Group B	17	HDD Power LED (White)
9	HDD Group C	18	HDD Activity LED (Blue)

Rear View



1	AC Power Switch	8	DVI-DL Output
2	AC Power Input (Full Range)	9	VGA Monitor Output
3	USB 2.0 Port x 6	10	USB 3.0 Port x 2
4	eSATA Port	11	Audio Microphone In Port
5	Bluetooth Port	12	Audio Line Out Port
6	HDMI Port	13	Ethernet Port x 3
7	S/PDIF Port		

Specifications

Hardware Specifications		
CPU		2nd Generation Intel® Core™ i7 Processor
RAM		8 GB Dual Channels
Drive Bay		20 bays
Operating System		64-bit Microsoft Windows 7 Embedded
Backup Type		DVD+R (DL) / DVD-R (DL) / DVD+R / DVD+RW / DVD-R / DVD-RW / CD-R / CD-RW
Recovery DVD		Automatic system rebuild
Connector	Ethernet	RJ-45, 10 / 100 / 1000 Mbps x 3
	Monitor Output	DB-15 VGA Monitor Output, DVI-DL Output (DVI-D signal Only), HDMI Output
	USB 2.0	Front : 2 ports, Rear : 6 ports
	USB 3.0	Rear: 2 ports
Remote Access		TCP/ IP, LAN, WAN, Internet, Modem Dial-up, Modem-to-Modem, ISDN
Operating Temp.		0 ~ 45 °C (32 ~113 °F)
Humidity		0 ~ 80% RH (non-condensing)
Dimensions (W x H x D)		483 x 178 x 660.4 (mm) / 19 x 7 x 26 (in)
Software Specifications		
Number of IP Video Device Connections		128 channels
Number of Remote Client Connections		300 channels
Active Connections		Yes
Passive Connections		Yes (only for GV IP devices)
3rd Party IP Cameras Support		Yes
Live Viewing		Single live view, multi-channel live view
Recording		Yes (up to 128 channels)
Protocol		HTTP, HTTPS, TCP, UDP, SMTP, UPnP, DynDNS, RTSP, PSIA, ONVIF
E-Mail Notification		Yes (for Active connection lost, passive connection lost, USB protection key removed, recycling of recorded video, start keep days operation, motion detection, disk full, disk error, I/O trigger, disk removed, recording failure)
SMS Notification		No
2-Way Audio		Yes (only for GV-IP devices through active connection)
GPS support		Yes (only for GV-IP cameras)
Number of Accounts		Up to 1000 accounts
Mobile Phone Support		No
Bandwidth Control		No
IE Live View		Yes (up to 36 channels)
IE Event Query		Yes
IE I/O Control		No
Language		Czech / Danish / English / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese / Russian / Serbian / Simplified Chinese / Spanish / Traditional Chinese