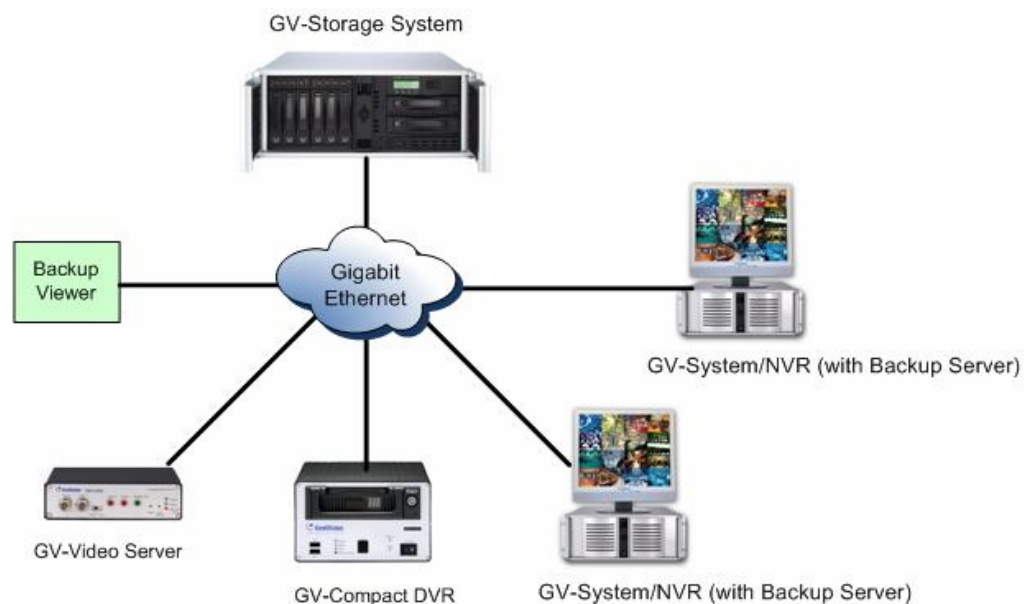


GV-Storage System



Key Features

- Up to 8 hot-swappable SATA II hard drives
- RAID 0 / 1 / 5 / 6 / 10 / 50 / 60, JBOD
- Dual Gigabit iSCSI ports
- Online volume expansion and RAID level migration
- Global/dedicated cache configuration by volume
- S.M.A.R.T enabled
- Support for SES (SCSI Enclosure Services)
- Disk roaming
- MPIO and MC/S ready (Initiator drive support needed)
- Data structure and power failure alert buzzer
- Redundant power supplies with load balance sharing
- CHAP Encryption
- Integrating with GV products: GV-System V8.2, GV-Video Server V1.4, GV-Compact DVR and GV-NVR.



Specifications

System

CPU	Intel Xscale IOP331 processor
RAM	512 MB
Power	Two (2) Redundant, hot-swappable 420 W, full-range power supplies
iSCSI Port	Two (2) 10/100/1000 Mbps Ethernet; Intel Gigabit Ethernet Controller
Ethernet Port	One (1) 10/100 Mbps Ethernet
Number of Drive Bays	Eight (8) disks, SATA 1.0, 1.5 Gbit/s or SATA 2.0, 3 Gbit/s, Marvell 88SX6081 SATA II Controller
Fan	Two (2) rear fans

Management

Management Method	Web GUI, LCD Panel Menu
Alert	Email, SNMP, Windows Messenger, System Buzzer
Temperature Control	Hard Disks, Enclosure

RAID & Volume

RAID Level	0,1,0+1,3,5,6,10,30,50, 60 and JBOD
LUN	Max. 256
Spare Disk	Global, Dedicated
Cache	Global, Dedicated; Write-Back, Write-Through
Stripe Size	Max. 64 KB
Online Volume Expansion	Yes
Online Volume Migration	Yes
Auto Volume Rebuilding	Yes

Performance

Single Channel	105 MB/sec (read/write full-duplex)
Dual Channel	190 MB/sec (read/write full-duplex)

System Monitor

Voltage Monitor	3.3V, 5V and 12V
Thermal Sensor	Three (3) for CPU, PCI-X Bridge and Daughter Board
S.M.A.R.T	Yes

Host Connection

Microsoft MPIO Support	Yes
Microsoft MC/S Support	Yes
Security	CHAP Authentication
Number of Hosts	Max. 32
Jumbo Frame Support	Max. 3900 bytes MTU
SCSI-3 Compliant	Yes
Compatible GV devices	GV-System version 8.2 or later, GV-Video Server version 1.4 or later, GV-Compact DVR

Environmental

Operating Temp.	0 ~ 50 °C (32 ~ 122 °F)
Humidity	0 ~ 80% RH (non-condensing)

Physical

IPC Case	4U Rackmount
Color	Silver
Dimensions	483 (W) x 178 (H) x 528 (D) mm (19 x 7 x 21 inch)
Weight	18.1 Kg (Net), 22.1 Kg (Gross) / 39.9 lb (net) - 48.7 lb (gross)

DVR Recording Performance When Connecting to GV-Storage System

DVR	Number of Channel	Resolution	Recording Rate (NTSC/PAL)
GV-1480	128	CIF	30/25 FPS (software compression)
GV-2016	48	Full D1	30/25 FPS (hardware compression)