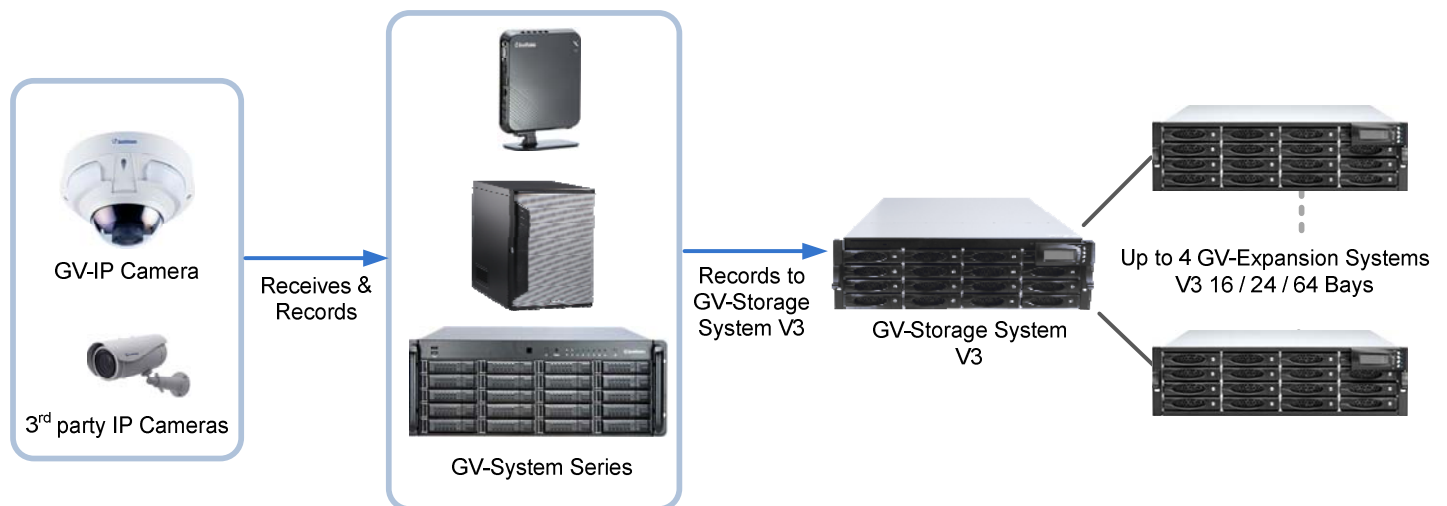# GV-Expansion System V3 – 3U, 16-Bay

Introduction

GV-Expansion System V3 16 Bays is a 19-inch 3U rackmount JBOD unit with optimized solutions for servers and external storage systems. It features the latest SAS 3.0 12Gb/s interface and designed to fit in with the environments which need highly reliable and relentless data growth.

GV-Expansion System V3 16 Bays incorporates the latest enhancements in SAS along with LSI DataBolt bandwidth optimizer technology (EDFB, End Device Frame Buffering). Using DataBolt, it delivers optimized throughput by allowing users to gain 12 Gb/s host speeds with current-generation 6Gb/s drives. It is also a versatile SAS3 / SATA3 disk expansion system, ideal for high capacity and scalability storage in IT demands. GV-Expansion System V3 16 Bays offers GUI management to monitor enclosure environmental conditions through a remote connection.

GV-IP Camera

3rd party IP Cameras

Receives & Records

GV-System Series

Records to GV-Storage System V3

GV-Storage System V3

Up to 4 GV-Expansion Systems V3 16 / 24 / 64 Bays

Features

- 3U, 16-bay hot-swappable SAS III / SATA III HDD or SSD drivers for data storage
- LSI DataBolt bandwidth optimizer technology
- Fully redundant & hot pluggable designs: power supplies and fans
- industry-standard SCSI enclosure services to monitor enclosure and disk environmental conditions
- S.E.S. support for standard enclosure management
- System LED indications
- Monitoring: Fan speed, power supply, system voltage and system temperature
- System alarm
- Storage capacity up to 160 TB (with 10 TB HDD)

Specifications

System		
No. of Hot Swap Drive Bays		16
HDD Type		2.5" and 3.5" SAS III / SATA III
Power		AC 90 ~ 264V Full Range 10 ~ 5A, 47 ~ 63Hz
Fan		Hot pluggable and redundant fan x 2
Physical		
LCD Front Panel		Yes (System Status, Network Configuration, Password Settings, Alarm Buzzer Settings)
LED Indicator		Yes (System, Access, Fail)
SAS Ports	Host Interface	One 4x mini SAS HD (12 Gb/s)
	SAS Expansion	Two 4x mini SAS HD (12 Gb/s)
Color		Black
Form Factor		3U 19 inch rackmount chassis
Dimensions (W x H x D)		482 x 131 x 590 mm / 18.68 x 5.16 x 23.22 in
Weight		24 kg / 52.91 lb (Diskless)
Regulatory		CE / FCC / BSMI / RoHS
Environment		
Operating Temperature		10 ~ 40°C / 50 ~ 104 °F
Humidity		10 ~ 85% RH (non-condensing)

Note:

1. If you are in an area with unstable voltage, make sure to install an automatic voltage regulator (AVR) or a UPS power supply with AVR function, to maintain a constant voltage.
2. All damages to the power supply caused by unstable voltage are not included in the 2-year warranty service.
3. All specifications are subject to change without notice.

Overview

Front Panel

Back Panel

Packaging

- GV-Expansion System V3 16 Bays
- Power Cord x 2
- External Serial Cable RJ11-to-D89
- Mini SAS HD Cable
- Ethernet LAN cable
- PSFM Blanking Plate
- Download Guide
- Screws (packet)
- Rail Kit