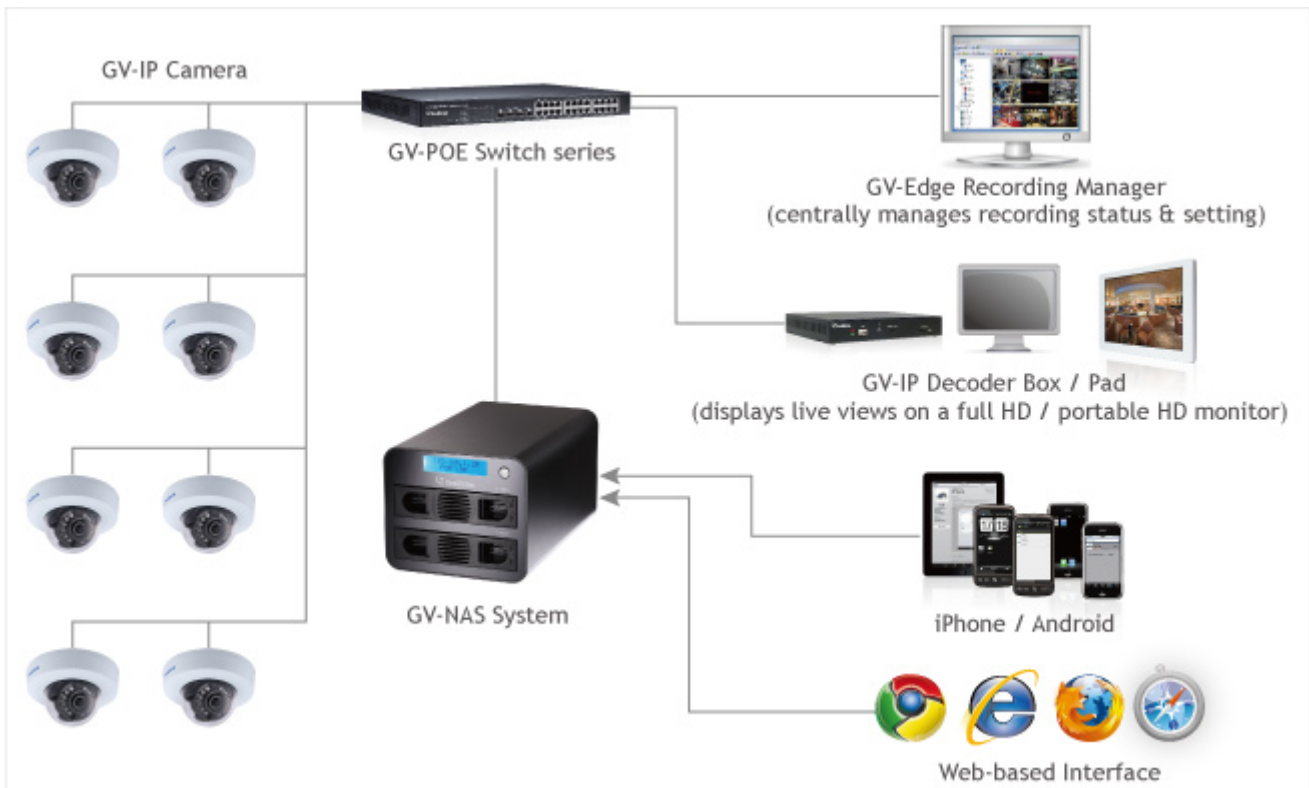# GV-NAS2008

Introduction

The GV-NAS System is a Linux-based, network-attached storage device designed to store GV-IP Camera recordings. The GV-NAS System features RAID to ensure data security, rendering data recovery possible. Allowing access from multiple users over multiple platforms (mobile devices and desktop), user accessibility is customizable, keeping your data accessible and secure at the same time. Management over a mass number of GV-IP Cameras is made easy with GV-Edge Recording, which provides an integrated interface where you can assign recordings to the designated folder in GV-NAS Systems.

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Features

- Low power consumption
- Compact size
- LCD display
- Recording assigned by GV-Edge Recording Manager
- 2 Hot-swappable drive bays
- Up to 8 TB storage capacity
- Supports JBOD and RAID 0 / 1 data storage
- Records up to 8 channels
- Smart device access for playback (iOS and Android)

System Requirements

Tested and Suggested Web Browsers and Versions

- Internet Explorer 8 or later
- Google Chrome 33.0.1750.154
- Mozilla Firefox 28
- Safari for Windows 5.1.7
- Safari for MAC 6.0.5

Recommended Hard Disks

For system efficiency, we recommend the following enterprise level hard disk drives. Avoid using desktop level or green HDD which

may affect system efficiency.

- WD XE series
- WD RE series
- Seagate Constellation ES.3 series
- HGST Ultrastar series

Note: GV-NAS2008 is designed for 3.5'' hard drive disks (2.5'' ones are not supported), each at the maximum of 4 TB.

Supported GV-IP Cameras
GV-NAS System supports the following GV-Target Series using firmware V1.02 or later.

- GV-EBL1100 / GV-EBL2100
- GV-EBX1100
- GV-EDR1100 / GV-EDR2100
- GV-EFD1100 / GV-EFD1100

Overview

Front Panel

Back Panel

Specifications

Hardware

System	
CPU	APM 600 MHz
RAM	DDR II 256MB
No. of Drive Bays	2 (3.5" HDD)
Power	12V DC, 5A

External Interface	
Gigabit Port (RJ-45, 10/100/1000 Mbps)	1
USB 2.0	1
LCD Display	Yes (IP address, port setting, MAC address, motherboard temperature and CPU temperature)

Environment	
Operating Temperature	0 ~ 40 °C / 32 ~ 104 °F
Humidity	0 ~ 80% RH (non-condensing)

Physical		
Color		Black
Dimensions (W x H x D)		14 x 12 x 22 cm (5.5" x 4.7" x 8.7")
Weight		1.4 kg (3.1 lb)
Fan On	Normal	On 40 °C (104 °F) ; Speeds up 55 °C (131 °F)
	Quiet	On 65 °C (149 °F) ; Speeds up 75 °C (167 °F)

Software

Connection with GV-IP Camera	
Max. No. of Channels from GV-IP Cameras	8

RAID Management	
RAID Mode	RAID 0/1 and JBOD
Automatic RAID Creation	Yes
RAID Migration	No
RAID Expansion	No

Note:

1. The maximum numbers of recording channels are based on 5 minute recording interval, default recording quality setting (Good) and a constant bitrate of 6 Mbit at maximum.

2. Automatic RAID creation refers to automatic creation of RAID array based on the number of inserted hard disks.

3. RAID migration refers to re-establishment of a RAID array to another RAID level by adding or removing hard disks.

4. RAID expansion refers to creation of more RAID array by adding one or more hard disks.

Disks	
Hot Swapping	Yes
Idle Spin-Down	Yes
Disk Information	Yes
S.M.A.R.T	Yes
User Settings	
User Authentication	Yes
User Group	Yes
User Storage Threshold (Quota)	Yes
Shared Folders	Yes
User Configuration Import & Export	Yes
System Information and Control	
Transfer Rates (Bps)	Yes
System Log	Yes
E-Mail Notification	Yes
Fan Control	Yes (suspension, normal mode and quiet mode)
Multimedia	
iTunes Media Server	Yes
DLNA	Yes
Power Management	
Automatic Startup at Power Resumption	No
Scheduled Sleep/Wakeup	Yes
Remote Restart / Shutdown	Yes

Note: GV-NAS2008 supports automatic system startup (at power resumption) using a hardware DIP switch.

Network	
Connection Type	Fixed IP address, Dynamic IP address
Protocols	AFP, DDNS, FTP, HTTP, NFS, NTP, CIFS/SMB, UPnP
Maintenance	
Firmware Upgrade	Yes
Others	
Web Browser	IE, Google Chrome, Firefox, Safari
Web Server	Yes
Smart Device Access for playback	GV-Eye (iOS, Android)
Regulatory	CE, FCC
Language	English / French / German / Japanese / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese

Note: Product design and specifications are subject to change without notice.

Packing List

You can choose to purchase a GV-NAS System package or a bundled package which also includes 4 GV-Target IP Camera of your choice and a GV-PoE switch.

GV-NAS System Package
- GV-NAS2008
- 1 M network cable
- DC 12V, 5A power adapter
- Power cord
- Software CD
- GV-NAS System Quick Start Guide

Bundled Package

- GV-NAS System Package (GV-NAS2008) x 1
- Target IP Camera x 4
- GV-POE400 x 1

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Note: For the Target IP Camera, select any 4 models from GV-EBL1100 / 2100, GV-EBX1100, GV-EDR1100 / 2100, GV-EFD1100 / 2100. For more information, contact our sales representatives.