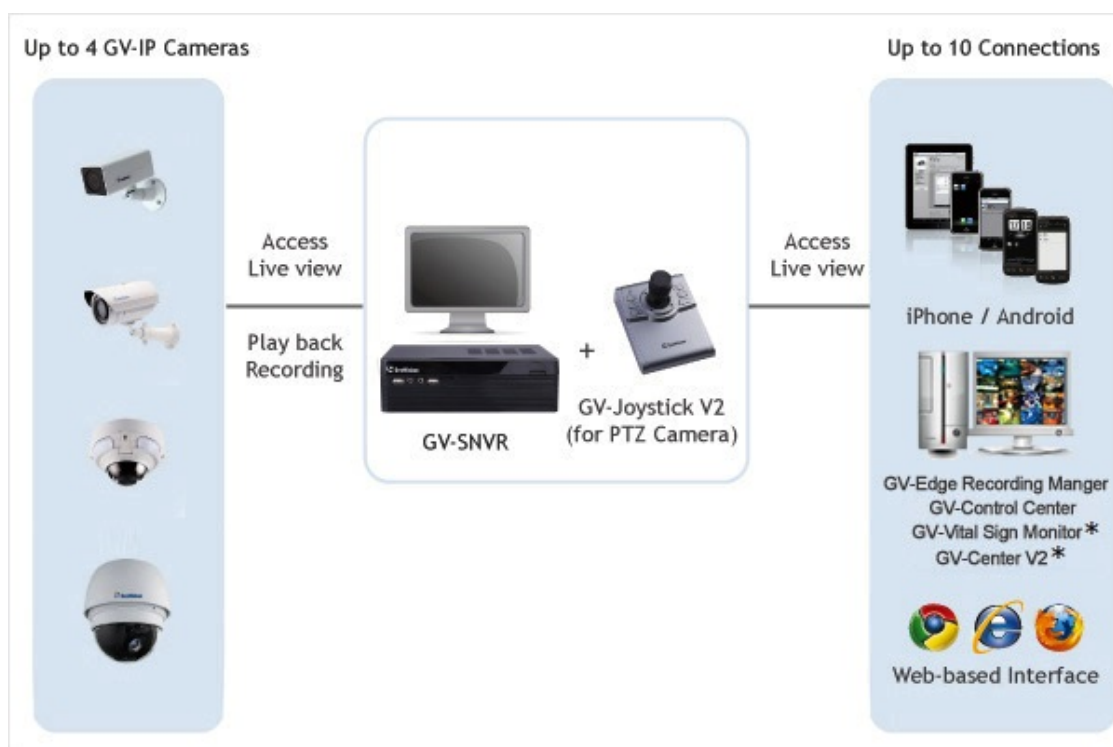# GV-SNVR0400F

Introduction

The GV-SNVR0400F is a Linux-embedded Standalone Network Video Recorder which records video files directly to the internal hard drive, supporting up to 4 channels of GV-IP Cameras for network surveillance. With the feature of a Full HD HDMI video output, the GV-SNVR eliminates the need for a separate PC to view and play back video from the unit. Its four USB ports allow you to connect a storage device to import or export system settings, update firmware, save snapshot files and back up video in AVI format.

Optionally, you can connect a GV-Joystick V2 to control PTZ cameras. Moreover, you can remotely access the live view through mobile devices or Web browsers with advanced video features.

Note:

The supported version of GV-Vital Sign Monitor and GV-Center V2 is coming soon.

Available package

You can choose to purchase a GV-SNVR package or a bundled package which includes 4 GV-Target IP Camera of your choice and a GV-PoE switch. More details, please see " **Packing List** " tab.

GV-SNVR0400F Package   Bundled Package

Features

- 4-Channel video recording
- Automatic search and set-up for IP cameras
- Up to 1920 x 1080 resolution for each channel
- Dual streams support
- Continuous, motion and scheduled recordings
- Timeline playback
- Multi-channel playback
- Display of HDD status and system temperature
- DST (Daylight Saving Time) support
- NTP (Network Time Protocol) support
- GeoVision DDNS server support
- E-mail notification for recording error and password retrieval
- Recording export
- Remote live view through Web browser
- PTZ control using GV-Joystick V2 or on-screen panel
- 1080p HDMI video output
- 1 SATA HDD drawer (3.5") for up to 4 TB storage
- Smart device access (iOS and Android)
- Support for 9 languages

Specifications

Hardware

System		
OS		Embedded Linux
No. of Drive Bay		1 (3.5" HDD)
Power Source		Input: AC 100 ~ 230V, 50 ~ 60 Hz
		Output: DC 19V, 3.42A, Max. 65 W
Connectors	Gigabit Ethernet	1 port, RJ-45
	Video Output	HDMI
	Audio	N/A
	USB 2.0	Front: 2 ports, Rear: 2 ports
LED Indicator		2 LEDs: Power, HDD Error
Operating Temperature		0°C ~ 40°C (32°F ~ 104°F)
Humidity		0% ~ 90% RH (non-condensing)
Dimensions (L x W x H)		206 x 220 x 65.5 mm (8.11 x 8.66 x 2.58")
Net Weight		1.1 kg (2.43 lb)
Regulatory		FCC , CE , RCM , RoHS compliant

Software

Video and Audio	
Video Compression	H.264
Video Stream	Dual streams from H.264
Video Resolution	Up to 1920 x 1080 each channel
Video Output	720p / 1080i / 1080p (HDMI)
Display Division	1 / 4
Audio Compression	N/A
Audio Support	N/A
Two-Way Audio	N/A

Operation	
Recording Bandwidth	Max. 50 Mbps for 4 channels
Recording Mode	Round the clock / Motion Detection / Schedule Recording
Pre Recording	1 ~ 10 sec.
Post Recording	30 sec.
Instant Playback	3 min.
Backup Type	USB storage device of FAT32 format

Note: For backup efficiency, it is suggested to use the external hard drive to back up recordings.

Management	
Language	English / Traditional Chinese / Spanish / Russian / Portuguese / French / German / Italian / Japanese
Firmware upgrade	Upgrade through OSD or GV-IP Device Utility

Network

Network Type	LAN, WAN, Internet
Protocol	DHCP, DynDNS, HTTP, NTP, TCP, UDP
System Monitoring and Recovery	
Power Restoration	Automatic restart after power outage
Monitoring	Software Watchdog
Remote Viewing	
Live View	Max. 10 channels connection
Monitoring Environment	IE, Chrome, Firefox and mobile devices
Smart Device Access	GV-Eye for iOS and Android
Access from Web Browser	Live View, Image Snapshot, Picture in Picture, Picture and Picture, Digital PTZ

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

Accessories

GV-Joystick V2	The GV-Joystick V2 facilitates the PTZ camera control. It can be plugged into the GV-SNVR for independent use to empower the operation of PTZ cameras.
GV-POE Switch	The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.

Requirements

Supported GV-IP Cameras

- GV-Target Series IP Camera (Firmware V1.0 or later)
- GV-SD220/220-S (Firmware V1.02 or later)
- All the other GV-IP Cameras (Firmware V2.11 or later) EXCEPT the models below:
  o GV-BX110
  o GV-BX12201
  o GV-BL110
  o GV-Fisheye IP Camera
  o GV-MFD110
  o GV-PT110
  o GV-PTZ010D
  o GV-SD010/200/200-S

Note:
1. The GV-SNVR supports the recording frame rate of up to 30 fps only.
2. The GV-SNVR0400F supports the recording bandwidth of up to 50 Mbps only.

Supported GeoVision Application

- GV-Edge Recording Manager (Windows Version V1.1.0.0 or later)
- GV-Control Center (V3.3.0.0 or later)
- GV-Center V2 (V15.10 or later) – *upcoming*
- GV-Vital Sign Monitor (V15.10 or later) – *upcoming*
- GV-Eye (V2.0 or later)

Recommended Hard Disks

GV-SNVR0400F supports 1 SATA HDD (3.5") with up to 4 TB capacities. For system efficiency, it is recommended to use the enterprise-level hard disk drives instead of desktop-level or green HDD. For tested hard disk drives, see Appendix in GV-SNVR User's Manual.

Note: The GV-SNVR does not support the 2.5" SATA HDD.

Supported Web Browsers

- Internet Explorer 8 or later
- Google Chrome 33.0 or later
- Mozilla Firefox 28.0 or later

Overview

Front Panel

Back Panel

Packing List

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

GV-SNVR0400F Package
1. GV-SNVR0400F
2. AC power cord
3. AC/DC adapter (DC 19V, 3.42 A, 65 W)
4. Screw x 6 (for HDD)
5. SATA cable

Bundled Package for GV-SNVR
1. GV-SNVR Package x 1
2. Target IP Camera x 4
3. GV-POE0400 x 1

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.