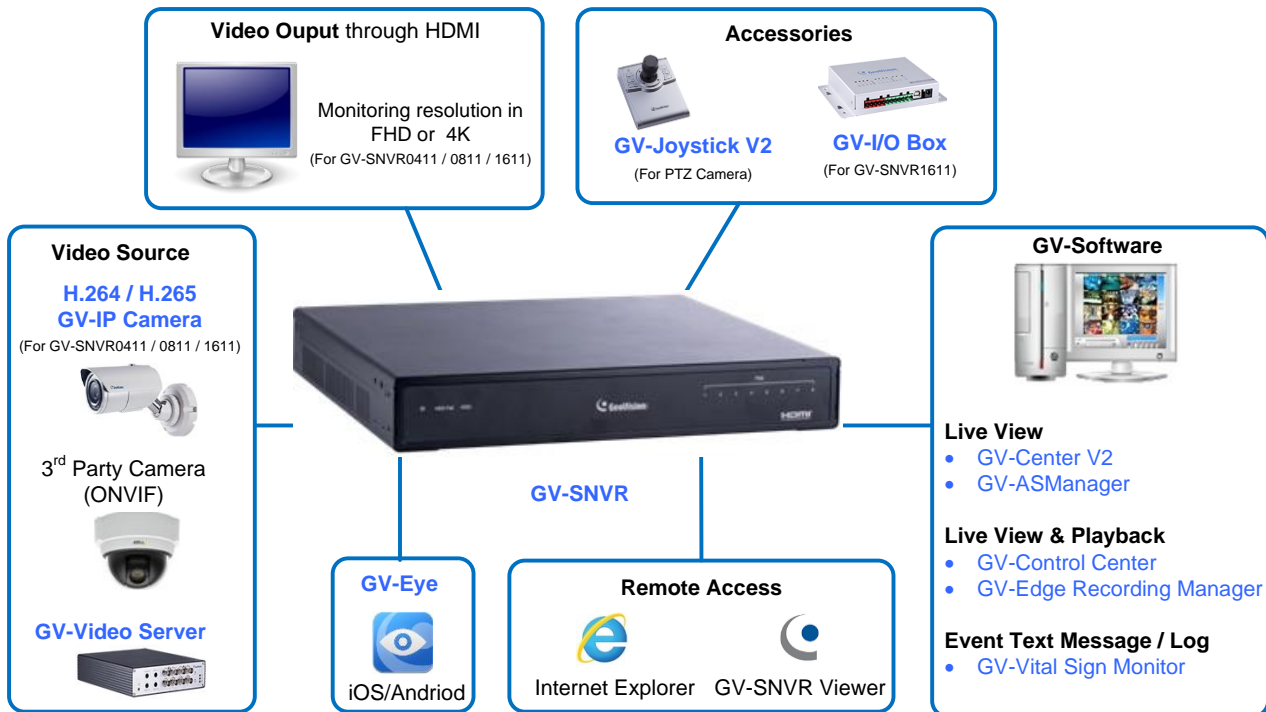


# GV-SNVR0811



## Introduction

The GV-SNVR0811 is an H.264/H.265 Linux-embedded Standalone Network Video Recorder which records video files directly to the internal hard drive, supporting up to 8 channels of GV-IP Cameras for network surveillance. GV-SNVR0811 has 8-port built-in PoE+ (IEEE 802.3at), functioning to carry network and power to IP cameras. Featuring with up to 4K resolution video output, GV-SNVR0811 eliminates the need of a separate PC to view and play back video from the unit. Its USB ports allow you to connect a USB flash drive to import or export system settings, update firmware, save snapshot files and back up video in AVI format.



## Features

- 8-Channel video recording
- Up to 3840 x 2160 resolution for each channel\*
- Dual stream support
- 8-Port PoE+ (IEEE 802.3at) for camera connection
- 4K HDMI video output
- 1 SATA HDD drawer (3.5") for up to 8 TB storage
- Automatic search and setup of IP cameras
- Support for third-party IP cameras through ONVIF and RTSP protocol
- 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
- Fisheye dewarping
- Support for GV-Video Server through RTSP protocol
- PTZ control using GV-Joystick or on-screen panel
- Smart device access (iOS and Android)
- Support for 14 languages

\*The resolutions of Main Stream and Sub Stream both must meet the requirements noted under Specifications.

## Specifications

### Hardware

System		
OS	Embedded Linux	
No. of Drive Bay	1 (3.5" HDD) up to 8 TB	
Power Source	Input: AC 100 ~ 240V, 50 ~ 60 Hz Output: DC 56V, 2.32A, Max. 130W PoE: Max. 100W	
Connectors	Megabit Ethernet	1 port for WAN, RJ-45 10/100 Mbps, 8 ports for LAN, RJ-45 10/100 Mbps, PoE+ (IEEE 802.3at)
	Video Output	HDMI
	Audio	N/A
	USB 2.0	Rear: 3 ports
LED Indicator	NVR	3 LEDs: Power, HDD Error, HDD Status
	PoE	8 LEDs for each port
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	
Humidity	0% ~ 80% RH (non-condensing)	
Dimensions (L x W x H)	280 x 265 x 44 mm (11.02 x 10.43 x 1.73")	
Net Weight	1.6 kg (3.52 lb)	
Regulatory	FCC , CE , RoHS compliant	

### Software

Video and Audio			
Video Compression	H.264, H.265		
Video Stream	Dual streams from H.264, H265		
Video Output	4K / 1080p (HDMI)		
Display Division	1 / 4 / 6 / 8 / 9		
Audio Compression	G.711		
Audio Support	Yes		
Two-Way Audio	N/A		
Supported Video Resolution	Main Stream	Sub Stream	
Firmware Version	V2.61		
4:3	2592 x 1944	1024 x 768, 960 x 720, 640 x 480, 320 x 240	
	2560 x 2048		
	2560 x 1920		
	2048 x 1536		
	2048 x 1520		
	1600 x 1200		
	1280 x 960		
	640 x 480		640 x 480, 320 x 240
	320 x 240		320 x 240
16 : 9 (Default)	3840 x 2160	1280 x 720, 640 x 360, 448 x 252	
	2592 x 1520		
	2560 x 1440		
	2304 x 1296		
	1920 x 1080		
	1280 x 720		
	640 x 360		640 x 360, 448 x 252
	448 x 252		448 x 252

5:4	1280 x 1024	1280 x 1024, 640 x 512, 320 x 256
	640 x 512	640 x 512, 320 x 256
	320 x 256	320 x 256
20 : 19 (Fisheye Camera Only)	2176 x 2048	640 x 608
	2048 x 1944	
	1792 x 1696	
	1440 x 1376	
	1280 x 1200	

#### Operation

Recording Bandwidth	Max. 80 Mbps for 8 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 flash drive of FAT32 format

**Note:** For backup efficiency, it is recommended to use external hard drive(s) to back up your recordings.

#### Management

Language	Czech / English / Finnish / French / German / Hungarian / Italian / Japanese / Portuguese / Russian / Slovakian / Slovenian / Spanish / Traditional Chinese
Firmware upgrade	Upgrade through OSD or GV-IP Device Utility

#### Network

Network Type	LAN, WAN, Internet
Protocol	DHCP, DynDNS, HTTP, NTP, ONVIF, RTSP, TCP, UDP

#### System Monitoring and Recovery

Power Restoration	Automatic restart after power outage
Monitoring	Software Watchdog

#### Remote Viewing

Live View	Max. 18 channels connection
Monitoring Environment	IE browser, SNVR Viewer for non-IE browsers, Mobile app
Smart Device Access	GV-Eye for iOS and Android
Access from IE browser	Live View, Image Snapshot, Picture in Picture, Picture and Picture, Digital PTZ

#### Note:

1. GV-SNVR0811 only supports PoE+ (IEEE 802.3at) for camera connection. If your camera requires power supply above 30W, be sure to power your camera with the compatible PoE switch or its power adapter.
2. Product design and specifications are subject to change without notice.

### Accessories

GV-POE Switch	GV-POE Switch is designed to provide power along with network connection for IP devices. It is available in various models with different numbers and types of ports.
GV-Joystick V2	GV-Joystick V2 facilitates PTZ camera controls. It can be plugged into the GV-SNVR for independent use to empower the operation of PTZ cameras.
GV-WiFi Adaptor V2	Designed to connect IP devices to a wireless network, GV-WiFi Adaptor V2 is a plug-and-play device that can be plugged into the USB port of GV-SNVR to provide immediate WiFi connection.

## 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 other GV-IP Cameras (Firmware V2.11 or later) EXCEPT for the models below:
  - GV-BX110
  - GV-BL110
  - GV-FER12203
  - GV-MFD110
  - GV-PT110
  - GV-PTZ010D
  - GV-SD010

### Note:

1. For supported IP cameras, the resolutions of Main Stream and Sub Stream both must meet the requirements noted under Specifications.
2. GV-SNVR only supports recording frame rates of up to 30 fps.
3. GV-SNVR0811 only supports recording bandwidths of up to 80 Mbps.
4. GV-SNVR0811 also supports EVS-ABD1300 / ABL1300 / ADR1300 and UVS-ABD1300 / ABL1300 / ADR1300.

### Supported GeoVision Application

- GV-Edge Recording Manager (Windows Version V1.2.0.0 or later)
- GV-Control Center (V3.4.0.0 or later)
- GV-Center V2 (V15.10 or later)
- GV-Vital Sign Monitor (V15.10 or later)
- GV-Eye (V2.3 or later)
- GV-Cloud Center (V1.0 or later)

### Recommended Hard Disks

GV-SNVR0811 supports 1 SATA HDD (3.5") with up to 8 TB capacities. For system efficiency, it is recommended to use 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:** GV-SNVR does not support the 2.5" SATA HDD.

### Supported Web Browsers

- Internet Explorer 8 or later
- Google Chrome
- Mozilla Firefox
- Safari
- Microsoft Edge

## Overview

### Front Panel



### Back Panel



## Packing List

1. GV-SNVR0811
2. AC power cord
3. AC/DC adapter (DC 56V, 2.32A, 130W)
4. SATA cable
5. HDD power cable
6. Screw x 4 (for HDD)
7. USB mouse
8. Download Guide
9. Warranty card