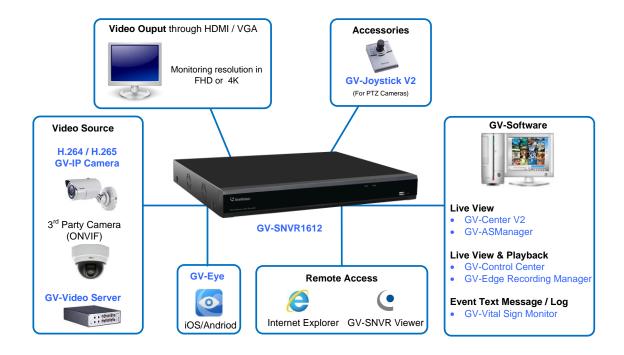


GV-SNVR1612



Introduction

GV-SNVR1612 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 16 channels of IP cameras for network surveillance. GV-SNVR1612 has 16-port built-in PoE (IEEE 802.3af), functioning to carry network and power to IP cameras. Featuring with up to 4K resolution video output, GV-SNVR1612 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 videos in AVI format.



Features

- 16-Channel video recording
- Up to 3840 x 2160 resolution for each channel*
- Dual stream support
- 16-Port PoE (IEEE 802.3af) for camera connection
- 4K HDMI / 1080p VGA video output
- 2 SATA HDD drawers (3.5") for up to 20 TB storage
- Two-way audio
- 8 sensor inputs and 1 alarm output
- Automatic search and setup for IP cameras
- Support for third-party IP cameras through ONVIF and RTSP protocol
- Continuous, motion, alarm and scheduled recordings
- Timeline playback

- Multi-channel playback
- Display of HDD status and 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
- 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

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^{*}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		2 (3.5" HDD), up to 20 TB		
		Input: AC 100 ~ 240V, 50 ~ 60 Hz		
Power Source		Output: DC 48V, 3.75A, Max. 180W		
		PoE: Max. 120W		
Connectors	Megabit	1 port for WAN, RJ-45 10/100/1000 Mbps,		
	Ethernet	16 ports for LAN, RJ-45 10/100 Mbps, PoE (IEEE 802.3af)		
	Video Output	HDMI / VGA		
	Audio	RCA		
	USB	Front: USB 2.0 x 1 Port, Rear: USB 2.0 x 1 Port		
	1/0	8 Inputs, 1 Output		
LED Indicator	NVR	2 LEDs: Power, HDD Fail		
	PoE	N/A		
Operating Temp		0°C ~ 40°C (32°F ~ 104°F)		
Humidity		0% ~ 90% RH (non-condensing)		
Dimensions (L x W x H)		380 x 340 x 50 mm (15 x 13.4 x 2")		
Net Weight		2.48 kg (5.47 lb)		
Regulatory		FCC, CE, PSE, LVD, RoHS compliant		
Video and Audio		1 30, 61, 1 31, 140, Rolls compliant		
		H.264, H.265		
Video Compression		Dual streams from H.264, H265		
Video Output		4K (HDMI) / 1080p (HDMI/VGA)		
Video Output		1/4/6/8/9/16		
Display Division		G.711		
Audio Compression				
Audio Support		Yes Yes		
Two-Way Audio		Main Stream	Sub Stream	
Supported Video Resolution Firmware Version		V1.00	Sub Stream	
Tilliware version	/II			
4:3		2592 x 1944		
		2560 x 1920		
		2048 x 1536	1280 x 1200, 1024 x 768, 960 x 720, 640 x	
		1600 x 1200	480, 320 x 240	
		1280 x 960		
		640 x 480		
16 : 9 (Default)		3840 x 2160		
		2592 x 1520		
		2560 x 1440		
		2304 x 1296	1280 x 720, 640 x 360, 448 x 256	
		1920 x 1080	1200 x 720, 040 x 300, 440 x 230	
		1280 x 720		
		640 x 360		
5:4		1280 x 1024	1280 x 1024, 640 x 512, 320 x 256	
5:4		C40 E42		
5:4		640 x 512	, , , , , , , , , , , , , , , , , , ,	
5:4		2896 x 2768		
	Camera Only)	2896 x 2768 2176 x 2048		
20:19 (Fisheye C	Camera Only)	2896 x 2768	960 x 912, 640 x 608	
	Camera Only)	2896 x 2768 2176 x 2048		

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Max. 96 Mbps for 16 channels	
·	
Round the clock / Motion Detection / Alarm / Schedule Recording	
~ 5 sec	
0 sec	
min	
ISB flash drive of FAT32 format	
zech / English / Finnish / French / German / Hungarian / Italian / Japanese / Portuguese / ussian / Slovakian / Slovenian / Spanish / Traditional Chinese	
lpgrade through OSD, Web or GV-IP Device Utility	
AN, WAN, Internet	
HCP, DynDNS, HTTP, NTP, ONVIF, RTSP, TCP, UDP	
utomatic restart after power outage	
oftware Watchdog	
Nax. 34 channels connection	
IE browser, SNVR Viewer for non-IE browsers, Mobile app	
GV-Eye for iOS and Android	
ive View, Image Snapshot, Picture in Picture, Picture and Picture, Digital PTZ	
Z L	

Note:

- 1. GV-SNVR1612 only supports PoE (IEEE 802.3af) for camera connection. If your camera requires power supply above 10W, be sure to power your camera with the compatible PoE switch or its power adapter.
- 2. Fisheye dewarping is currently not supported by GV-SNVR1612.
- 3. For backup efficiency, it is recommended to use external hard drive(s) to back up your recordings.
- 4. Product design and specifications are subject to change without notice.

Accessories

GV-Joystick V2	GV-Joystick V2 facilitates PTZ camera controls. It can be plugged into GV-SNVR for independent use to empower the operation of PTZ cameras.	
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.	

Requirements

Supported GV-IP Cameras

- GV-Target Series IP Camera (Firmware V1.0 or later)
- GV-SD220/220-S (Firmware V1.02 or later)
- GV-UNFE2503 / UNP2500 (Firmware V2.11 or later)
- All other GV-IP Cameras EXCEPT for the models below:
 - o GV-BX110
 - o GV-BL110
 - o GV-FE520 / 521
 - o GV-FER12203 / 12700
 - o GV-MFD110
 - o GV-PT110
 - o GV-PTZ010D
 - o GV-SD010

Note:

GV-SNVR1612

- 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-SNVR1612 only supports recording bandwidths of up to 96 Mbps.

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Supported GeoVision Application

- GV-Center V2 (V18.2 + patch or later)
- GV-Vital Sign Monitor (V16.11 or later)
- GV-Eye (V2.5.1 or later)
- GV-Cloud Center (V1.0 or later)

Recommended Hard Disks

GV-SNVR1612 supports 2 SATA HDD (3.5") with up to 20 TB of storage capacity. 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 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-SNVR1612
- 2. Power adapter
- 3. AC power cord
- 4. SATA cable x 2
- 5. HDD power cable x 2
- 6. Screw x 8 (for HDD)
- 7. USB mouse
- 8. Foam foot
- 9. Download Guide

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