GV-RNVR3240-N

- H.265 / H.264 video format
- Up to 32-ch IP camera input
- 2-ch HDMI, 1-ch VGA; HDMI #1 at up to 4K (3840x2160 Pixel)
- 16 alarms input and 1 alarm output
- Up to 12 MP resolution recording
- 4 SATA interfaces, up to 12TB for each disk
- Two-way audio
- P2P function for GV-Eye app
- ONVIF cameras supported
- **AI Functions of GV-IP cameras are not supported**

Introduction

GV-RNVR3240-N is an H.264/H.265 Linux-embedded Standalone Network Video Recorder which records video files directly to the internal hard drives. GV-RNVR3240-N supports up to 32 channels of IP cameras for network surveillance. Featuring with up to 4K resolution video output, GV-RNVR3240-N eliminates the need for a separate PC to view and play back video from the unit. Its USB ports allow you to connect a USB mouse and a flash drive to back up videos.

With its Web Client on the web browser, users can access several functions, including Live View, Change Stream, Manual Alarm, Divide Screen, and more.

Specifications

System	
Operating system	Embedded Linux
No. of Drive Bay	4 (3.5" SATA HDD), up to 12 TB for each disk
Video and Audio	
Compression	Audio: G.711 Video: H.264 / H.265
Resolution	12 MP, 8 MP, 5 MP, 4 MP, 3 MP, 2 MP (1080p), 1 MP (720p)
Decoding	

Live / Playback	Frame Rate	HDMI 1	HDMI 1 + HDMI 2
		12 MP: 60 fps in total (2 CH max.) 8 MP: 120 fps in total (4 CH max.) 5 MP: 180 fps in total (6 CH max.) 4 MP: 240 fps in total (8 CH max.) 3 MP: 330 fps in total (11 CH max.) 2 MP: 480 fps in total (16 CH max.) 720p: 960 fps in total (32 CH max.)	12 MP: 60 fps in total (2 CH max.) 8 MP: 90 fps in total (3 CH max.) 5 MP: 150 fps in total (5 CH max.) 4 MP: 180 fps in total (6 CH max.) 3 MP: 240 fps in total (8 CH max.) 2 MP: 360 fps in total (12 CH max.) 720p: 840 fps in total (28 CH max.)
Playback	Max. 16-ch playback		

Operation		
Max. Bandwidth	Input	320 Mbps
	Output*	320 Mbps
Playback Function		Fast forward/backward (2x, 4x, 8x, 16x) Slow forward (1/2x, 1/4x, 1/8x, 1/16x)
Event Management	Trigger	Schedule, Sensor Input, Motion Detection
	Action	-Store Video (AVI format) -Send e-mails with captured images -Upload captured images to FTP Server -Activate relay outputs to control external devices
Web Monitoring		IE 10 / 11 Safari V12.1 or above Firefox V52 or above Google Chrome V57 or above Edge V79 or above
Maintenance		Firmware upgrade through Web Browser or Utility
Interface		
Monitor	VGA	1 (1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080) *Sync output with HDMI 1
	HDMI 1	1 (1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1400, 3840 x 2160) *Sync output with VGA
	HDMI 2	1 (1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080) *Spot out only
Connector	Ethernet	2 ports, RJ45 100/1000 Mbps
	USB	USB 2.0 x 1 (front) USB 3.0 x 1, USB 2.0 x 1 (rear)
	Audio In	1 RCA
	Audio Out	1 RCA
	RS-485	1
	Alarm Input/Out	16 in / 1 out
	e-SATA	1
LED Indicator		2 LEDs: Power, HDD
General		
Language	Local	Arabic, Bulgarian, Czech, Danish, English, Finnish, French, German, Greek, Hebrew, Hindi, Italian, Japanese, Korean, Persian, Polish, Portuguese, Romanian, Russian, Spanish, Thai, Traditional Chinese, Turkish
	Web	Czech, English, French, German, Italian, Japanese, Portuguese, Russian, Spanish, Traditional Chinese, Turkish
Mechanical Design	Dimensions (W x D x H)	378 x 333.7 x 68 mm (14.88" x 13.14" x 2.68")
	Net Weight	2.26 Kg (4.99 lb)
Rack Mount		Yes

Electrical	Power Source	Input: AC 100 ~ 240 V, 50 ~ 60 Hz Output: 12 V DC, Max. 72 W
	Power Consumption (excluding HDD and IP cameras)	8 W
Operating Temperature		-10°C ~ 50°C (14°F ~ 122°F)
Humidity		Less than 90% RH
Network		
Protocol		802.1x, DHCP, IPv4/IPv6, DynDNS, HTTP, HTTPS, NTP, RTSP, TCP, SNMP, UDP
Remote Monitoring		
Access from Web Browser		-Live View: Audio, PTZ Setting, Color Controls, Page View, Manual Alarm -Playback: Search Recordings, Stretch, Full Screen, Tag Playback, Picture Playback, Download -Remote Setting: Channel (Live, Image control, Video Cover, Motion), Record (Encode, Capture), Alarm (Motion, I/O, Combination Alarm, PTZ Linkage), Network (IP, DDNS, FTP, Email), Device (HDD Disk /Cloud), System
Live View	PC-Based Software	Max. connection subject to the total output bandwidth of GV-RNVR3240-N *A total of up to 4-channel connection is supported for one non-IE browser.
	Mobile APP	Max. connection subject to the total output bandwidth of GV-RNVR3240-N
Playback	PC-Based Software	Max. connection subject to the total output bandwidth of GV-RNVR3240-N *A total of up to 4-channel connection is supported for each Web browser.
	Mobile APP	Max. connection subject to the total output bandwidth of GV-RNVR3240-N
Application		
Software Supported		GV-Control Center (V4.2.1 or later), GV-Edge Recording Manager Windows Version (V2.2.8 or later), GV-VPN
Smart Device Access		GV-Eye for iOS and Android (V3.2.0)

Note:

AI Functions of GV-IP cameras are not supported by the GV-RNVR.

Fisheye dewarping is not supported by the GV-RNVR.

Certain GV-IP cameras are not supported by the GV-RNVR. See the technical notice for details.

The maximum remote connection is subject to the total output bandwidth. See the maximum output bandwidth column for the specification.*
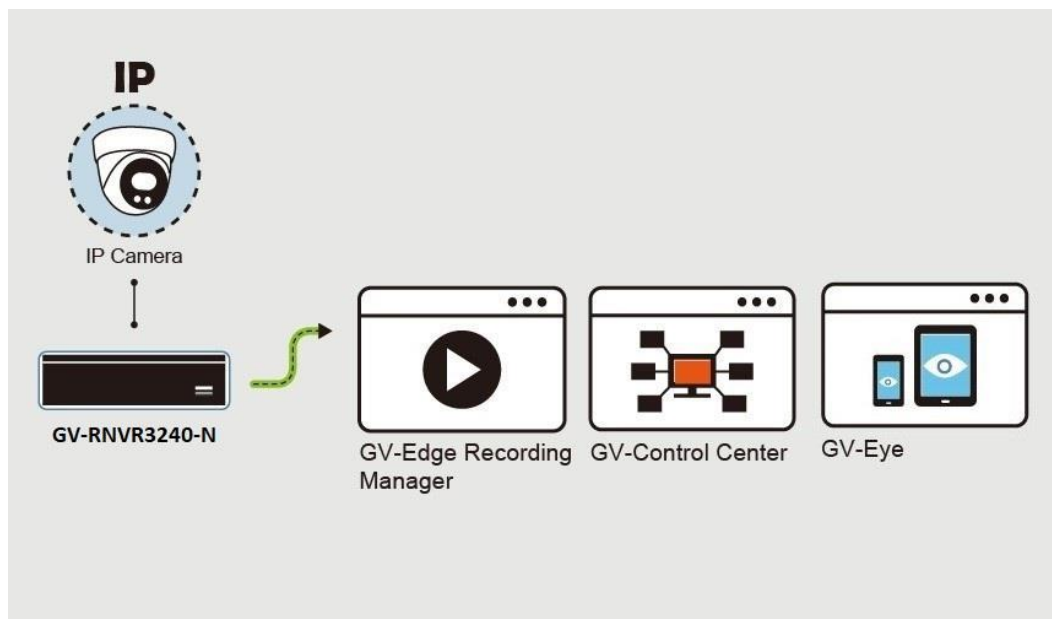
For system efficiency, it is recommended to use enterprise-level hard disk drives. For the supported hard disk drive, see GV-SNVR HDD Compatibility Table.

When exporting recordings on Web browsers, it is suggested to use Internet Explorer or Internet Explorer Mode on Microsoft Edge.

To access live view (main and sub stream) and playback remotely using PC-based software or mobile app, make sure the local GV-RNVR3240-N exits the playback interface.

Specifications are subject to change without notice.

Application

Packing List

1. GV-RNVR3240-N	2. 3.5" HDD Screw Kit x 4
3. Rack Mount x 2	4. Screw kit for Rack Mount
5. USB Mouse	6. Power Adapter
7. Power Cord	8. Download Guide

Accessory

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.

Dimensions

333.7mm (13.14")

378mm (14.88")

68mm (2.68")