GV-RNVRL810-P

- Realtime AI Face Recognition (face tracking on E-Map, attendance management, and repeated visitor search)
- H.265 / H.264 video format
- Up to 8-ch IP camera input
- 1-ch HDMI, 1-ch VGA; HDMI at up to 4K
- 8 alarm inputs and 1 alarm output
- Up to 8 MP resolution recording
- 1 SATA interface, up to 10 TB
- Two-way audio
- P2P function for the GV-Eye app
- ONVIF cameras supported

Introduction

GV-RNVRL810-P is an H.264/H.265 Linux-embedded Standalone Network Video Recorder, which records video files directly to the internal hard drive. GV-RNVRL810-P supports up to 8 channels of IP cameras for video surveillance. It has an 8-port built-in PoE+ (IEEE 802.3at), functioning to carry network and power to connected IP cameras. Featuring video output with up to 4K resolution, GV-RNVRL810-P 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.

GV-RNVRL810-P integrates the capacity of AI-capable GV-R Series IP cameras and provides various analytics functions for perimeter protection. With the Face Recognition functions, users can access the database to track faces on E-Map, keep track of face attendance, and search for repeat visitors, which makes the surveillance environment easier to use and safer.

Specifications

System	
Operating system	Embedded Linux
No. of Drive Bay	1 (3.5" SATA HDD) up to 10 TB
Video and Audio	
Compression	Audio: G.711 Video: H.264 / H.265
Resolution	8 MP, 5 MP, 3 MP, 2 MP (1080P), 1.3 MP (960P), 1.0 MP (720P)
Decoding	

Live / Playback	Frame Rate	8 MP: 30 fps in total (1 CH max.) 5 MP: 60 fps in total (2 CH max.) 4 MP: 90 fps in total (3 CH max.) 2 MP: 180 fps in total (6 CH max.) 720p: 240 fps in total (8 CH max.)
Playback		Max. 4-ch playback

Operation		
Max. Bandwidth	Input	76 Mbps
	Output*	32 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)
	HDMI	1 (1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160)
Connector	Ethernet	1 port, RJ-45 10/100 Mbps
	PoE	8 ports, RJ-45, PoE+ (IEEE 802.3at)
	USB	USB 2.0 x 1 (front) USB 2.0 x 1 (rear)
	Line In	1 RCA
	Audio Out	1 RCA
	RS-485	1
	Alarm Input/Out	8 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)	300 x 215.3 x 52.5 mm (11.8" x 8.4" x 2")
	Net Weight	1.08 kg (2.38 lb)
Rack Mount		N/A
Electrical	Power Source	Input: AC 100 ~ 240 V, 50 ~ 60 Hz Output: DC 48 V, 1.5 A PoE Switch: 58 W
	Power Consumption (excluding HDD and IP cameras)	6 W

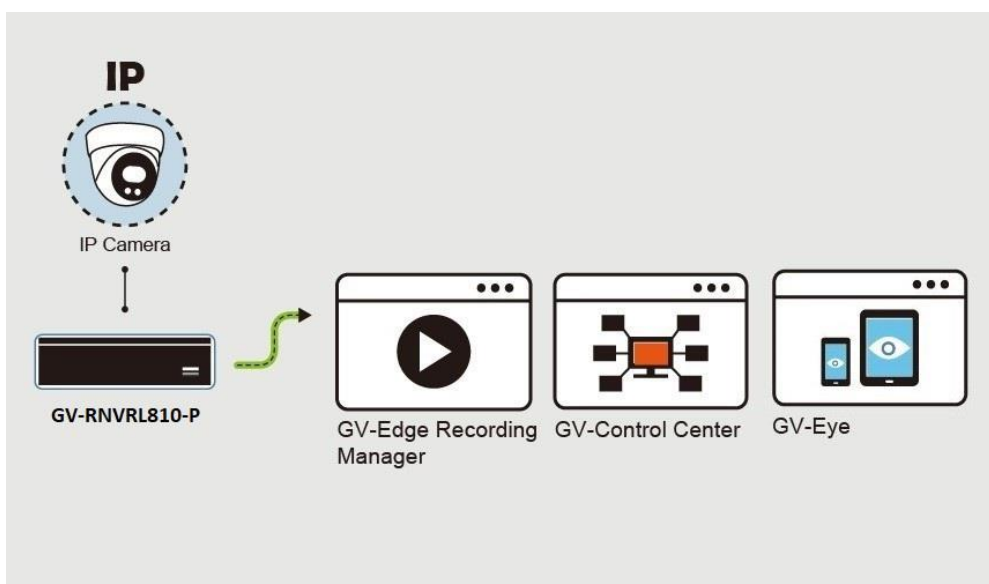| General	
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Humidity	Less than 90% RH
AI Integrated Function	
AI Analytics	Face Detection, Pedestrian & Vehicle Detection, Perimeter Intrusion Detection, Line Crossing, Cross Counting, Heat Map, Crowd Density, Queue Length, Rare Sound Detection, Object Detection, Sound Detection, Intrusion, Enter Region, Exit Region *These functions are only applicable when AI-capable GV-R series IP cameras are connected to the RNVR.
Network	
Protocol	DHCP, DynDNS, HTTP, HTTPS, IPv4/IPv6, NTP, RTSP, SNMP, TCP, 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, Intelligent), Record (Encode, Capture), Alarm (Motion, I/O, Intelligent, 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-RNVRL810-P *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-RNVRL810-P.
Playback	PC-Based Software	Max. connection subject to the total output bandwidth of GV-RNVRL810-P *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-RNVRL810-P.
Application		
Software Supported		GV-Control Center (V4.2.1 or later), GV-Edge Recording Manager Windows Version (V2.2.8 or later), GV-Vital Sign Monitor (V18.4.0 or later), GV-VPN
Smart Device Access		GV-Eye for iOS and Android (V3.2.0 or later)

Note:
1. GV-TMEB5800 is not supported by the GV-RNVR.
2. Fisheye dewarping is not supported by the GV-RNVR.
3. Certain GV-IP cameras are not supported by the GV-RNVR. See the technical notice for details.
4. Only limited GV-Vital Sign Monitor functions are supported. See *3.20 Connection to HD DVR, SNVR, RNVR* in the GV-Vital Sign Monitor User's Manual for details.
5. The maximum remote connection is subject to the total output bandwidth. See the maximum output bandwidth column for the specification.*
6. For system efficiency, it is recommended to use enterprise-level hard disk drives. For the supported hard disk drives, see GV-SNVR HDD Compatibility Table.
7. When exporting recordings on Web browsers, it is suggested to use Internet Explorer / Internet Explorer Mode on Microsoft Edge.
8. To access live view (main and sub stream) and playback remotely using PC-based software or mobile app, make sure the local GV-RNVRL810-P exits the playback interface.
9. Specifications are subject to change without notice.

Compatible GV-R Series IP Cameras
- **AI capable models:** GV-RBL5800 / RBL5811 / REB5800 / RMS32810

Application

Packing List

1. GV-RNVRL810-P
2. 3.5" HDD Screw Kit
3. 2.5" HDD Screw Kit
4. USB Mouse
5. Power Adapter

6. Power Cord
7. 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