UA-SNVR1620-P 16 CH H.265 / H.264 8 MP PoE 2-Bay Standalone NVR

- Realtime AI Face Recognition (search, tracking, attendance and repeated recognition request)
- H.265 / H.264 video format
- Up to 16-ch IP camera input
- 1-ch HDMI, 1-ch VGA; HDMI at up to 4K (3840 x 2160)
- HDMI and VGA simultaneous outputs
- 8 alarms input and 1 alarm output
- Up to 8 MP resolution recording
- 2 SATA HDDs, up to 10 TB for each HDD
- Two-way audio
- P2P function for GV-Eye app
- ONVIF cameras supported

Introduction

UA-SNVR1620-P is an H.264/H.265 Linux-embedded Standalone Network Video Recorder which records video files directly to the internal hard drives. UA-SNVR1620-P supports up to 16 channels of IP cameras for network surveillance. Featuring with up to 8 MP video resolution, UA-SNVR1620-P eliminates the need of a separate PC to view and play back video from the unit.

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

UA-SNVR1620-P integrates the capacity of AI-capable UA-IP cameras and provides various video analytics functions for perimeter protection. With the Face Recognition functions, users can access the database for face search, face tracking on E-Map, repeat visitor request, and face attendance request to enhance the convenience and security of the surveillance environment.
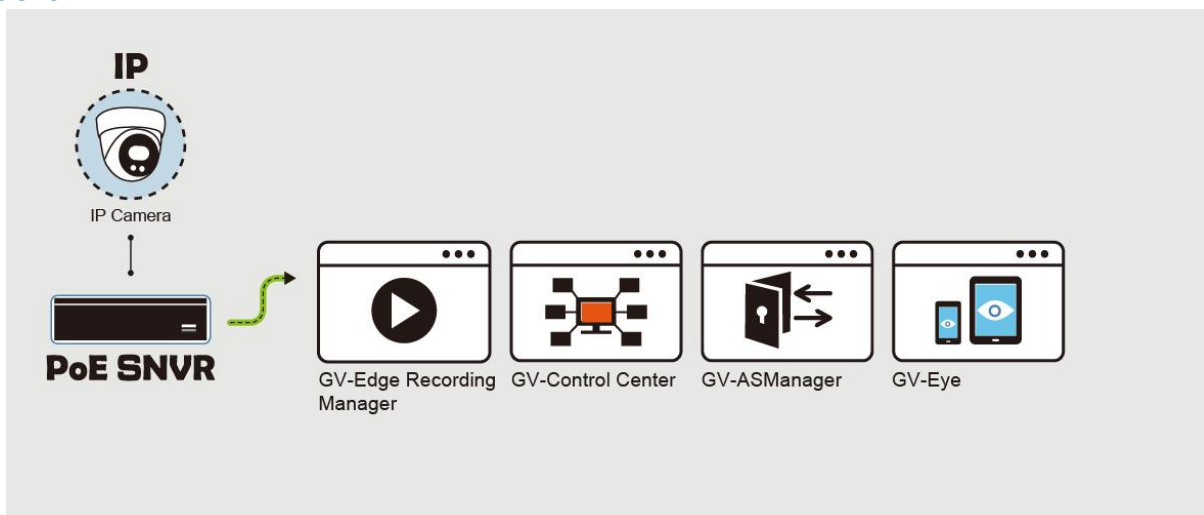
Specifications

System	
Operating system	Embedded Linux
No. of Drive Bay	2 (3.5" / 2.5" SATA HDD)
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 MP (720P)
Decoding	
Frame Rate	Main	8 MP: 45 fps in total (3 CH max.) 5 MP: 70 fps in total (4 CH max.) 4 MP: 90 fps in total (4 CH max.) 2 MP: 180 fps in total (12 CH max.)
	Sub	720P: 30 fps in total (13 CH max.) 720P: 25 fps in total (16 CH max.)
Playback	Max. 16-ch playback
Operation	
Max. Bandwidth	Input	112 Mbps
	Output*	96 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 for WAN, RJ45 100/1000 Mbps
	PoE	16 ports for LAN, RJ45 10/100 Mbps, PoE+ (IEEE 802.3at, Max. 30W)
	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
LED Indicator		2 LEDs: Power, HDD

General

Language	Local	Arabic, Bulgarian, Traditional Chinese, Danish, English, German, Spanish, French, Japanese, Italian, Portuguese, Russian, Turkish, Finnish, Greek, Hebrew, Hindi, Korean, Persian, Polish, Romanian, Thai
	Web	English, German, Spanish, French, Japanese, Italian, Portuguese, Russian, Turkish
Mechanical Design	Dimensions (W x D x H)	378 x 324.8 x 52 mm (14.88" × 12.78" × 2.05")
	Net Weight	3.34 Kg (7.36 lb)
Rack Mount		Yes
Electrical	Power Source	Input: AC 100 ~ 240V, 50 ~ 60 Hz Output: DC 48V, 3.75A, Max. 180W PoE: Max. 156W
	Power Consumption (excluding HDD and IP cameras)	8W
Operating Temperature/Humidity		Temperature: 0°C ~ 40°C (32°F ~ 104°F) Humidity: Less than 90% RH
Regulatory		CE, FCC, LVD, RoHS compliant

AI Integrated Function

Video Analytics	Pedestrian Detection & Vehicle Detection, Perimeter Intrusion Detection, Line Crossing Detection, Stationary Object Detection, Cross Counting, Heat Map, Crowd Density Monitoring, Queue Length Detection, Face Detection, Rare Sound Detection *The video analytics functions are only applicable when AI-capable UA-IP cameras are connected to the SNVR.

Face Recognition	Face Search, Face Tracking on E-Map, Repeat Visitor Request, Face Attendance Request *Face Recognition function is only applicable when AI-capable UA-IP cameras (firmware V1.01 or later) are connected to the SNVR.
Network	
Protocol	DHCP, DynDNS, HTTP, NTP, ONVIF, RTSP, TCP, UDP, IPv4, IPv6
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 UA-SNVR1620-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 UA-SNVR1620-P
Playback	PC-Based Software	Max. connection subject to the total output bandwidth of UA-SNVR1620-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 UA-SNVR1620-P

Application	
Software Supported	GV-Control Center (V4.1.0), GV-Edge Recording Manager Windows Version (V2.2.0), GV-ASManager (coming soon)
Smart Device Access	GV-Eye for iOS and Android (V2.9.0)

Note:
1. Fisheye dewarping is currently not supported.
2. Camera connection is not supported by GV-TMEB5800.
3. The maximum remote connection is subject to the total output bandwidth. See the maximum output bandwidth column for the specification.*
4. For system efficiency, it is recommended to use enterprise-level hard disk drives. For the supported hard disk drive, see UA-SNVR HDD Compatibility Table.
5. Specifications are subject to change without notice.

Applications

Packing List

1. UA-SNVR1620-P
2. 3.5" HDD Screw Kit x 2
3. 2.5" HDD Screw Kit x 2
4. Rack Mount x 2
5. Screw for Rack Mount x 2

6. USB Mouse
7. Power Adapter (DC 48V, 3.75A, 180W)
8. Power Cord
9. Download Guide

Dimensions

378mm (14.88")

324.8mm (12.79")

52mm (2.05")