32 Channel 2U 4K&H.265 Pro Network Video Recorder

SNAPPY

NVR-832R4KV-PS

Features

- *Smart H.265+/H.265/Smart H.264+/H.264/MJPEG*
- *Max 320Mbps Incoming Bandwidth*
- *Up to 12MP Resolution for Preview and Playback*
- *2HDMI/2VGA simultaneous video output*

System Overview

Snappy's NVR-832R4KV-PS Network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. This professional NVR adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Additionally, the NVR can be served as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control.

Due to its easy-to-install design, the NVR is ideal for a wide range of applications such as public safety, water conservancy, transportation, city centers, education, and financial institutions.

The NVR is compatible with numerous third-party devices, which make it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with 4K cameras.
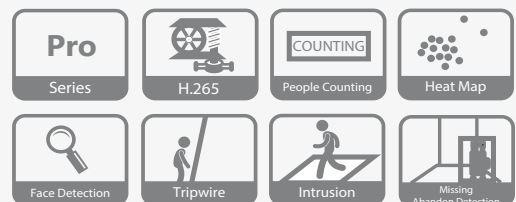
Functions :

Smart H.265+
Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Smart Fan
The NVR is equipped with a smart fan to achieve high cooling efficiency. It automatically adjusts fan speed according to CPU and ambient temperature. The fan is long-lasting and low noise, reducing maintenance costs and improving the user experience.

Pro Series | **H.265** | COUNTING People Counting | Heat Map

Face Detection | Tripwire | Intrusion | Missing Abandon Detection

Easy4ip
The Easy4ip app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access NVR devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere!

Fisheye Dewarping
Fisheye dewarping solves the problem of distortion in the circular panoramic view. The NVR offers various dewarping modes for different installations and configurations that enhance the video, in both live or playback modes. Each dewarping mode offers options to adjust each scene.

ANPR
Automatic Number Plate Recognition available for convenient entrance/exit management. Support license plate recognition(working with Snappy camera), black/white list import/export, add/delete B/W list number, search result from recorded video.

Point of Sale (POS)
Ideal for grocery and retail stores, the optional POS solution allows the NVR to receive a POS transaction via corresponding video. This feature allows merchants to analyze specific transactions via the Fuzzy search algorithm.

Automatic Network Replenishment (ANR) Technology
Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

Technical Specifications

System

Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX

Display

Interface	2 HDMI, 2 VGA
Resolution	HDMI1: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
Multi-screen Display	1st Screen: 16CH: 1/4/8/9/16 32CH:1/4/8/9/16/25/36 64CH: 1/4/8/9/16/25/36/64 2nd Screen: 1/4/8/9/16
OSD	Camera title, Time, Camera lock, Motion detection, Recording

Video Detection and Alarm

Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering
Alarm input	16 Channel
Relay Output	6 Channel
Tracking Trigger Event	N/A

Playback and Backup

Sync Playback	1/4/9/16
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network/eSATA Device

Storage

Internal HDD	8 SATA III Ports, Up to 10 TB capacity for each HDD
HDD Mode	Single.
eSATA	1 eSATA port
SAS	N/A

Auxiliary Interface

Front Cover	N/A
USB	4 USB Ports (2 Rear USB 3.0 , 2 Front USB 2.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control

Third-party Support

Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more

Audio and Video

IP Camera Input	16/32/64 Channel
Two-way Talk	1 Channel Input, 2 Channel Output, RCA

Recording

Compression	H.265/H.264/MJPEG/MPEG4
Resolution	12Mp/8Mp/6Mp/5Mp/4Mp/3Mp/1080P/ 720P/ D1&etc.
Record Rate	320Mbps
Bit Rate	16kbps~20Mbps for per channel
Record Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec

Network

Interface	2 RJ-45 Ports
Ethernet Port	2 RJ-45 Ports (10/100/1000Mbps) Independent or Joint Working
PoE	N/A
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search (Support Snappy IP camera, DVR, NVS, etc.), Easy4IP
Optical Fiber Interface	N/A
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant

Electrical

Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	<16.7W (Without HDD)

Environmental

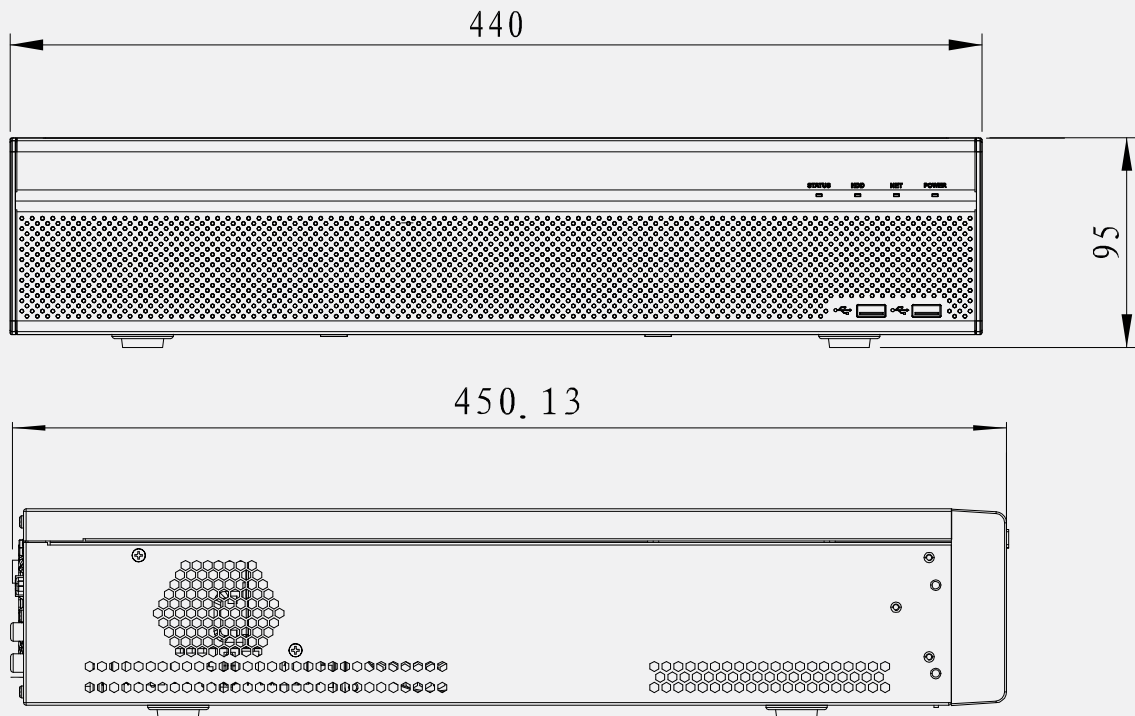|	
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

Construction

Dimensions(W×D×H)	2U, 440mm x 451.5mm x 94.9mm ;(17.3" x 17.7" x 3.7")
Net Weight	6.55kg (14.4 lb) (without HDD)
Gross Weight	9.5kg(20.94 lb)(without HDD)

Certifications

CE	EN55022, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL 60950-1

Dimensions (mm)

440

95

450.13

Accessories