

PSNVR16CH-4K

16 Channel 1U 16PoE 4K, H.265+ PRO Network Video Recorder

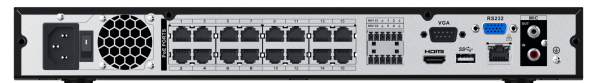
System Overview

PSNVR16CH-4K is a great PRO Series NVR supporting 4K and up to H.265+. This NVR provides up to 12MP resolution. When details are needed, it provides powerful image performance. This NVR also includes features like mouse shortcut operation menu, remote management and control, central storage, edge storage and back up storage.

Great design is perfect for applications like public safety, transportation, education and commercial building applications where details and processing power are needed.

Features

- Smart H.265+/H.265/H.264+/H.264/MJPEG decoding
- Max 320Mbps Incoming bandwidth
- Up to 12MP resolution for preview and playback
- HDMI up to 4K and VGA simultaneous video output
- Supports IPC, UPnP, 16PoE ports, 1-8 ePoE, EoC
- Fisheye Dewarp feature
- Supports ANR technology to enhance the storage reliability when the network breaks down



Functions

The NVR supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback.

IVS. Working with built-in intelligent video analytics IP cameras, the NVR can detect and analyze moving objects for improved video surveillance. The NVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, People Counting, Heat Map ideal for business intelligence, and Face Detection, for searching or identification of individuals.

With the Smart Add function, the installation of IP system is as easy as an analog system, no matter the NVR with or without a PoE switch embedded. It should be noted that the NVR must be on the same router as cameras.

ANR (Automatic Network Replenishment Technology), Video records on SD card in IP cameras when the network stops, and after the network recovers, the video will be transferred to NVR and then recorded.

The NVR supports up to 800 meter ePoE and EoC technology.

ePoE helps with extended cable runs minimizing the need for network repeaters. EoC technology makes it possible to upgrade existing system's to IPC while using the existing coax cable.

Specifications

System

Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX

Display

Interface	1 HDMI (up to 3840 x 2160), 1 VGA
Resolution	3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x768
Multi-screen Display	16CH: 1/4/8/9/16
OSD	Camera title, Time, Video loss, 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 (22x18), Video Loss and Tampering
Alarm Input	4 Channel, Low Level Effective, Green Terminal Interface
Relay Output	2 Channel, NO/NC Programmable, Green Terminal Interface

Playback and Backup

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, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Storage

Internal HDD	2 SATA III Port, Up to 8TB capacity for each HDD
HDD Mode	Single
eSATA	N/A

Auxiliary Interface

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

Audio and Video

IP Camera Input	16 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

Recording

Compression	Smart H.265+/H.265/H.264+/H.264/MJPEG
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1.3MP/720Petc.
Record Rate	320Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule, Regular, Motion Detect, Alarm, IVS, Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record 10~ 300 sec

Network

Interface	1 RJ-45 Port (10/100/1000Mbps)
Ethernet Port	1 Independent 1000 Mbps Ethernet Port
PoE	16 ports (IEEE802.3at/af) 1-8 ports support ePoE & EoC
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, IP Search (Support ZUUM IP camera, DVR, NVS, etc.), Easy4ip
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant

Electrical

Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	NVR:<15.2W (Without HDD) PoE: Max 25.5W for single port, 130W in total

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

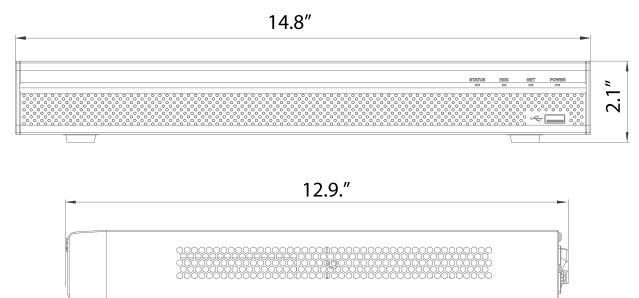
Construction

Dimensions	1U, 375mm x 327.5mm x 53mm (14.8" x 12.9" x 2.1")
Net Weight	2.7kg (6 lb.) (without HDD)
Gross Weight	4kg (8.8 lb.) (without HDD)

Certifications/ Drivers

Certifications	CE, FCC, UL
Drivers/Profiles	Control 4, SAVANT

Dimensions



ZM042919 Design and specifications are subject to change without notice