

4N-NVR816H2-P

16CH 2HDD 16CH PoE NVR



Product Overview

The 4NSYS 16-Channel Network Video Recorder (NVR) is a professional video management device designed for medium-scale surveillance systems. It supports up to 16 IP camera channels with high decoding performance and intelligent video analytics.

Equipped with AI-powered functions such as face recognition, multi-object detection, and intrusion analysis, the 4NSYS 16ch NVR delivers accurate monitoring for commercial, industrial, and municipal applications.

With dual SATA HDD bays (up to 12TB per drive), 16 PoE ports, and Gigabit network connectivity, it provides stable operation and easy system deployment. Smart playback and cloud upgrade features make it ideal for efficient and scalable security management.

Key Features

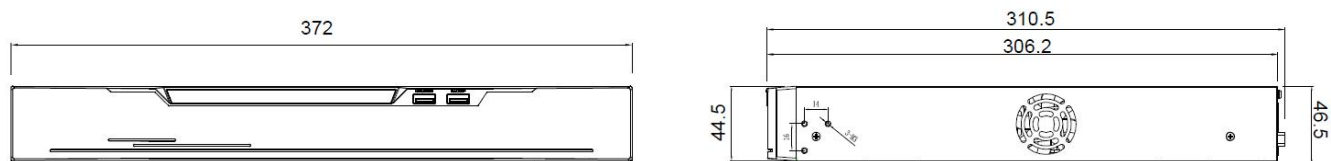
- Up to 16ch IP cameras access
- Up to 12MP resolution for live view and recording
- Support face recognition and multi-objective recognition
- Intelligent analysis by NVR: Intrusion (support the accurate detection of vehicle and human)
- 2 SATA hard disk, up to 12TB for each HDD
- Support Encode H.264 , H.265 , MJPEG
- 1 RJ45 10/100/1000Mbps network interface
- 16ch POE ports
- Smart search & playback
- Support cloud upgrade
- Live View and Playback through Network Connection

Specification

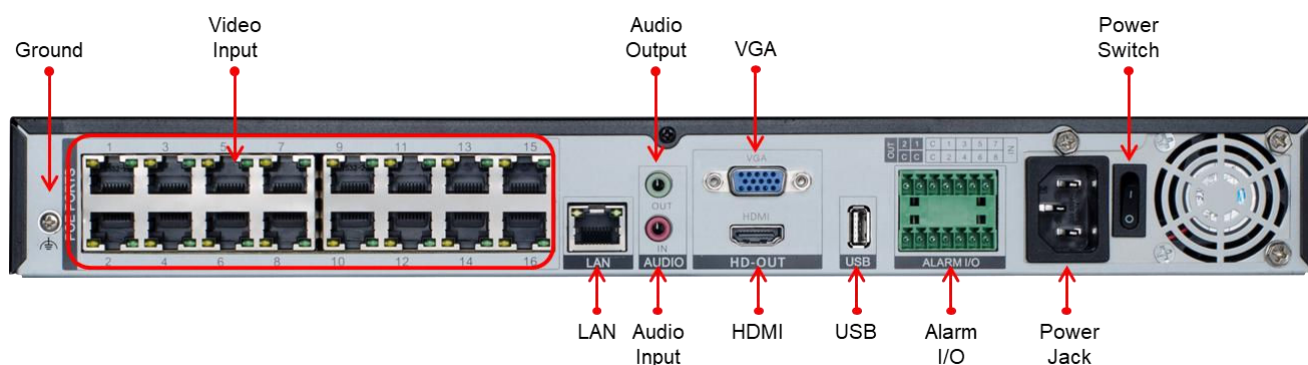
Video Input	
IP Camera Input	16 Channel
Incoming Bandwidth	112 Mbps
Outgoing Bandwidth	112 Mbps
Video Output	
HDMI Output	3840×2160,1920×1080, 1280×1024, 1024×768
VGA Output	1920×1080, 1280×1024, 1024×768
Decoding Capacity	1ch 12MP, 4ch 4MP, 8ch 1080P, 16ch D1@30fps
Dual Stream	Support
Multi-screen Display	1/4/9/16
AI Recognition	
Face Comparison	Real-time captured and display faces comparison results (registrant (name and ID), stranger, channel, similarity)
Multi-objective	Real-time captured and display vehicle, human body, non-motor vehicle, license plates image, and faces comparison results (registrant, stranger, channel, similarity)
Smart Search	Time, Properties, Pictures, License plate
Trigger Events	Buzzer, Alarm push, Alarm prompt, Email, Alarm Out, Compare the result simultaneously, etc.
Recoding	
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Recording Mode	Manual, Schedule (Regular, Continuous), Event
Encode	H.264, H.265, MJPEG
Trigger Events	Motion Detection, Video Loss, Alarm in, IVS
Playback and Backup	
Sync Playback	16/9/4/1
Search Mode	Time /Date, Alarm, Picture grid, Event
Backup Mode	USB Device, Network
Alarm	
General Alarm	Motion Detection, Video Loss, Alarm in, Alarm out, IVS (by camera)
Abnormal Alarm	Disk Alarm, IP Address Conflict, Network Disconnect
Intelligent Analysis	Intrusion detection (support the accurate detection of vehicle and human) by NVR

Network	
Network Function	HTTP, HTTPS, TCP/IP, IPv4,IPv6, UPnP, UDP, RTSP,SMTP, NTP, DNS, DHCP, P2P, IP Filter, DDNS,802.1X, SNMP, 3G/4G, PPPoE
Remote Users	8 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF, SDK, CGI, NDA
Storage	
HDD	2 SATA ports, up to 12TB for each HDD
Interface	
Network	1 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
PoE	16 Ports (IEEE802.3af), 128W
HDMI	1
VGA	1
Audio I/O	1/1
Alarm I/O	8/2
USB	3 ports (USB 2.0 × 3)
Reset Button	On-board reset button
General	
Power Supply	AC100 ~ 240V
Power Consumption	< 15 W (without HDD)
Operating Conditions	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Storage Conditions	Less than 90% RH
Certifications	CE/FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)
Dimensions	372 × 310.5 × 46.5 mm (16.65 × 12.2 × 2.2 inch)
Net Weight	2.75 kg (6.05 lb) without HDD

Dimensions (mm)



Rear Panel



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