

DHI-NVR4108/4116H-8P

8/16 Channel 8PoE Mini 1U Lite Network Video Recorder



- H.264+/H.264 codec decoding
- Max 80Mbps Incoming Bandwidth
- Up to 5MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output
- Support IPC UPnP, 8PoE ports
- Support ANR technology to enhance the storage reliability when the network break down



System Overview

Dahua's NVR4000 is one of the NVRs which have the most reasonable price and best quality for IP video surveillance applications. This Lite NVR provides up to 5MP resolution. Additionally, the NVR features a mouse shortcut operation menu, remote management and control, centre storage, edge storage, and back up storage.

Designed as a low-cost, easy installation, this 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 making it the perfect solution for surveillance systems with or without a video management system (VMS). Its open architecture supports multi-user access and is compatible with ONVIF 2.4, enabling interoperability when combined with IP cameras.

Functions

Smart H.264+

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.

Smart Add

With the Smart Add function, the installation of IP system is as easy as an analog system, no matter the NVR with or withou a PoE switch embedded. It should be noted that the NVR has to be in the same router as cameras.

ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to NVR and then recorded in it.

P2P

You can monitor at anytime and anywhere with P2P. With this function, you can manage your devices more convenient.



Lite Series | DHI-NVR4108/4116H-8P

Technical Specification

System		
Main Processor	Dual-core embedded processor	
Operating System	Embedded LINUX	
Display		
Interface	1 HDMI, 1 VGA	
Resolution	1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768	
Multi-screen Display	8CH: 1/4/8/9	
	16CH: 1/4/8/9/16	
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	

Video Detection and Alarm

Video Delection and Alarm				
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips			
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Camera Blank			
Alarm input	2 Channel, Low Level Effective, Green Terminal Interface			
Relay Output	1 Channel, NO/NC Programmable, Green Terminal Interface			
Playback and Backup				
Playback	8CH: 1/4/8			
	16CH: 1/4/8/16			
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate tosecond)			
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	1 SATA III Port, Up to 6 TB capacity for each HDD			
HDD Mode	Single			
eSATA	N/A			
Auxiliary Interface				
USB	2 USB Ports (2 USB2.0)			
RS232	N/A			
RS485	N/A			
Third-party Support				
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more			

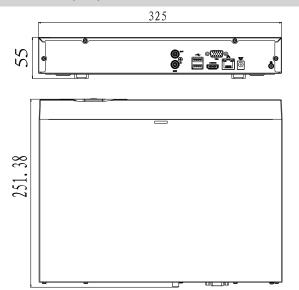
and more

Audio and Video		
IP Camera Input	8/16 Channel	
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	
Recording		
Compression	H.264+/H.264/MJPEG	
Resolution	5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.	
Record Rate	80Mbps	
Bit Rate	16Kbps ~ 20Mbps Per Channel	
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Camera Blank, Video Loss), Alarm), 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 (10/100Mbps)	
Ethernet Port	1 Independent 100Mbps Ethernet Port	
PoE	8 ports (IEEE802.3at/af)	
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search(Support Dahua IP camera, DVR, NVS and etc.), P2P	
Max. User Access	128 users	
Smart Phone	iPhone, iPad, Android	
Interoperability	ONVIF 2.4, CGI Conformant	
Electrical		
Power Supply	DC48V/2A	
Power Consumption	<10W (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	Mini 1U, 325mm×251.3mm×55mm (12.8" x 9.9" x 2.2")	
Net Weight	1.2kg (2.6 lb) (without HDD)	
Gross Weight	2kg(4.4 lb)(without HDD)	
Certifications		
CE	EN55022, EN55024, EN50130-4, EN60950-1	
FCC	Part 15 Subpart B, ANSI C63.4-2014	
UL	UL60950-1+CAN/CSA C22.2 No.60950-1	

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Ordering Information			
Туре	Part Number	Description	
8 Channel NVR	DHI-NVR4108H-P	8 Channel 8PoE Mini 1U Lite Network Video Recorder	
16 Channel NVR	DHI-NVR4116H-P	16 Channel 8PoE Mini 1U Lite Network Video Recorder	
Accessories	N/A	N/A	

Dimensions (mm)





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