

DHI-NVR4104/4108/4116H

4/8/16 Channel Mini 1U Lite Network Video Recorder

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- H.264+/H.264 codec decoding
- Max 80Mbps Incoming Bandwidth
- Up to 5MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output
- 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-NVR4104/4108/4116H

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	4CH: 1/4	
	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

Trigger EventsRecording, PTZ, Tour, Video Push, Email, FTP, snapshot, Buzzer and Screen TipsVideo Detection, MD Zones: 396 (22 × 18), Video Loss and Camera BlankAlarm inputN/AAlarm diputN/APlayback and BackupIVPlaybackACH: 1/4PlaybackGH: 1/4/8/16Search ModeIme/Date, MD and Exact Search (accurate to second), Smart searchPlayback FunctionIPay Pause, Stop, Rewind, Fast play, Slow Play, WST File, Previous File, Next Camera, Search ModeBackup ModeUBB Device/NetworkFlorageIstATA IIP ort, Up to 6 TB capacity for each HDDForageN/AHurdinary InterfaceSingleKutiliary InterfaceVISB Ports (20 SE2.)IstasN/AResaN/AResaN/AFindr-party SupportSingle Play Search Search Search (stass)Findr-party SupportSingle Play Search Search Search (stass)Findr-party SupportSingle Play Search Searc	VILEO DELECTION AND AIDMIN			
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	Third-party Support	Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek,		

Audio and Video	
IP Camera Input	4/8/16 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), 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	N/A
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP0E,DDNS, FTP, IP Search (Support Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant
Electrical	
Power Supply	DC12V/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
FCC	Part 15 Subpart B, ANSI C63.4-2014 UL60950-1+CAN/CSA C22.2 No.60950-1

Lite Series | DHI-NVR4104/4108/4116H

Ordering Information		
Туре	Part Number	Description
4 Channel NVR	DHI-NVR4104H	4 Channel Mini 1U Lite Network Video Recorder
8 Channel NVR	DHI-NVR4108H	8 Channel Mini 1U Lite Network Video Recorder
16 Channel NVR	DHI-NVR4116H	16 Channel Mini 1U Lite Network Video Recorder
Accessories	N/A	N/A

Dimensions (mm)





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