

DHI-NVR4108/4116-8P-4KS2

8/16 Channel Smart 1U 8PoE 4K&H.265 Lite Network Video Recorder



- H.265/H.264 codec decoding
- Max 80Mbps Incoming Bandwidth
- Up to 8MP 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 NVR4000-4KS2 is the first Lite series NVRs which can support 4K and H.265. And, it has the most reasonable price and best quality. This Lite NVR provides up to 8MP resolution. For applications where details are critical for identification, it provides a powerful image performace with up to 4K 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 cost-effective, 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

4K Resolution

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

Intelligent Video System (Optional)

Working with built-in intelligent video analytics IP cameras, the NVR has the ability to 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, ideal for business intelligence, and Face Detection, for searching or identification of individuals.

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 embeded. 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.

Easy4ip

You can monitor at anytime and anywhere with Easy4ip. With this function, you can manage your devices more convenient.



Lite Series | DHI-NVR4108/4116-8P-4KS2

Technical Specification

System		
Main Processor	Quad-core embedded processor	
Operating System	Embedded LINUX	
Display		
Interface	1 HDMI, 1 VGA	
Resolution	3840×2160, 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

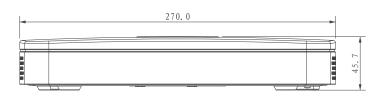
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips			
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering			
Alarm input	N/A			
Relay Output	N/A			
Playback and Backup				
Playback	8CH: 1/4/8			
	16CH: 1/4/8/16			
Search Mode	Time /Date, MD and Exact Search (accurate to second), Smart search			
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, and more			

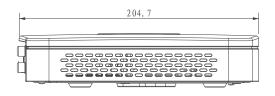
Audio and Video		
IP Camera Input	8/16 Channel	
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	
Recording		
Compression	H.265/H.264	
Resolution	8Mp/ 6Mp/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.	
Record Rate	80Mbps	
Bit Rate	16Kbps ~ 20Mbps Per Channel	
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, 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	8 ports (IEEE802.3at/af) (4Mbps is recommended per channel)	
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, IP Search (Support Dahua 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	DC48V/2A	
Power Consumption	NVR: <8.3W (Without HDD)	
rower consumption	PoE: Max 25.5w for single port, 80w 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	Smart 1U, 270mm×204.7mm×45.7mm (10.6" x 8.1" x 1.8")	
Net Weight	0.65kg (1.43 lb) (without HDD)	
Gross Weight	1.8kg(3.97 lb)(without HDD)	
Certifications		
CE	EN55032, 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-NVR4108-8P-4KS2	8 Channel Smart 1U 8PoE 4K&H.265 Lite Network Video Recorder	
16 Channel NVR	DHI-NVR4116-8P-4KS2	16 Channel Smart 1U 8PoE 4K&H.265 Lite Network Video Recorder	
Accessories	N/A	N/A	

Dimensions (mm)







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