

# DHI-NVR4416/4432-16P-4KS2

16/32 Channel 1.5U 16PoE 4K&H.265 Lite Network Video Recorder



- · H.265/H.264 codec decoding
- · Max 200Mbps Incoming Bandwidth
- Up to 8MP Resolution for Preview and Playback
- · Up to 2ch@4K/8ch@1080P decoding
- HDMI/VGA simultaneous video output
- · Support IPC UPnP, 16PoE ports













### **System Overview**

Dahua NVR4000-4KS2 is introduced as the first Lite series NVR that supports for 4K and H.265 encoding technology with excellent performance at an affordable price. For applications where image details are highly required, it delivers the capability of 4K resolution processing. The NVR can be served as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control.

Due to its cost-effective and easy-to-install design, 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 that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with IP cameras.

#### **Functions**

4K Resolution

4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

Intelligent Video System

Working with IVS-enabled IP cameras, the NVR recognizes and records video that contains IVS data on all IP channels. The NVR records standard intelligence at-the-edge features, as well as premium IVS features that detect abandoned or missing objects, Tripwire violations, and intrusion violations. The NVR is also capable of recording business analysis data — Facial Detection, People Counting, and Heat Map — from IP cameras with built-in Intelligent Business Analytics.

ANR (Automatic Network Replenishment Technology)

Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

Easy4ip

The Easy4ip app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access NVR devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere!

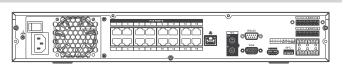


Technical Specification		Third-party Support	
System		Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sany Sony, Watchnet and more
Main Processor	Quad-core embedded processor		33.,,, , , , , , , , , , , , , , , , , ,
Operating System	Embedded LINUX	Network	
Aduio and Video		Interface	1 RJ-45 Port(10/100/1000Mbps)
IP Camera Input	16/32 Channel	PoE	16 ports (IEEE802.3af/at)
Two-way Talk Display	1 Channel Input, 1 Channel Output, RCA	Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UI SMTP, NTP, DHCP, DNS, IP Filter, PPP0E, DDNS, SNMP, IP Search (Support Dahua IP camera, D\ NVS, etc.), Easy4ip
Interface	1 HDMI, 1 VGA	Max. User Access	128 users
	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720	Smart Phone	iPhone, iPad, Android
Resolution	VGA: 1920×1080, 1280×1024, 1280×720	Interoperability	ONVIF 2.4, SDK, CGI
Decoding Capacity	2ch@4K 30fps, 8ch@1080P 30fps	Storage	
Marki ann an Dianlar	16CH: 1/4/8/9/16	Internal HDD	4 SATA III Ports, Up to 6 TB capacity for each H
Multi-screen Display	32CH: 1/4/8/9/16/25/36	HDD Mode	Single
OSD	Camera title, Time, Camera lock, Motion detection, Recording	Auxiliary Interface	
Recording		USB	2 ports(1 USB2.0, 1 USB3.0)
Compression	H.265/ H.264	RS232	1 Port, for PC Communication and Keyboard
Resolution	$8 \mathrm{Mp/}6 \mathrm{Mp/}5 \mathrm{MP/}4 \mathrm{MP/}3 \mathrm{MP/}1080 \mathrm{P/}1.3 \mathrm{MP/}720 \mathrm{P}$ etc.	RS485	1 Port, for PTZ Control
Recorde Rate	200Mbps	Electrical	
Bit Rate	16Kbps ~ 20Mbps Per Channel	Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, Video Loss), Stop	Power Consumption	NVR: <13.7W (Without HDD)  PoE: Max 25.5w for single port, 150w in total
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	Environmental	Tot. Max 23.3W for single port, 130W in total
Video Detection and Ala	arm	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Trigger Events	Recording, PTZ, Tour, Video Push, Email, Snapshot,	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
mgger Lvents	Buzzer and Screen Tips  Motion Detection MD Zones: 206 (22 x 18)	Construction	
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering	Dimensions	1.5U, 440mm×411.1mm×76mm (17.3" x 16.2" x 3.0")
Alarm input	16 Channel	Net Weight	4.7kg (10.4lb) (without HDD)
Relay Output	4 Channel	Gross Weight	7.5kg(16.5 lb)(without HDD)
Playback and Backup		Certifications	
Playback	1/4/9/16	CE	EN55032, EN55024, EN50130-4, EN60950-1
Search Mode	Time /Date, MD and Exact Search (accurate to second), Smart search	FCC	Part 15 Subpart B, ANSI C63.4-2014
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom	UL	UL60950-1
Backup Mode	USB Device/Network		

# Lite Series | DHI-NVR4416/4432-16P-4KS2

Ordering Information			
Туре	Part Number	Description	
16 Channel NVR	DHI-NVR441616P-4KS2	16 Channel 1.5U 16PoE 4K&H.265 Lite Network Video Recorder	
32 Channle NVR	DHI-NVR4432-16P-4KS2	32 Channle 1.5U 16PoE 4K&H.265 Lite Network Video Record	

## **Rear Panel**



## **Dimensions (mm)**

