

# DHI-NVR4216/4232-16P-4KS2

16/32 Channel 1U 16PoE 4K&H.265 Lite Network Video Recorder



- Smart H.265+/H.265/Smart H.264+/H.264
- · 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.

#### Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

#### 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.

#### DMSS

The DMSS 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!



Backup Mode

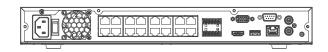
USB Device/Network

Technical Specification		Third-party Support	
System		Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more
Main Processor	Quad-core embedded processor  Embedded LINUX	Network	
Operating System	Ellipedded Elivox		1.0.1.0.0
Aduio and Video		Interface	1 RJ-45 Port (10/100/1000Mbps)
IP Camera Input	16/32 Channel	Ethernet Port	1 Independent 1000Mbps Ethernet Port
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	PoE	16 ports (IEEE802.3at/af)
Display		Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP
Interface	1 HDMI, 1 VGA		SNMP, IP Search (Support Dahua IP camera, DVR, NVS, etc.), Easy4ip
Resolution	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720	Max. User Access	128 users
	VGA: 1920×1080, 1280×1024, 1280×720	Smart Phone	iPhone, iPad, Android
Decoding Capacity	2ch@4K 30fps, 8ch@1080P 30fps	Interoperability	ONVIF 2.4, SDK, CGI
Multi-screen Display	16ch: 1/4/8/9/16	Storage	
	32ch: 1/4/8/9/16/25/36	Internal HDD	2 SATA III Ports, Up to 6 TB capacity for each HDD
OSD	Camera title, Time, Camera lock, Motion detection,	HDD Mode	Single
Recording Recording		Auxiliary Interface	
Compression	Smart H.265+/H.265/Smart H.264+/H.264	USB	2 ports(1 USB2.0, 1 USB3.0)
Resolution	8Mp/6Mp/5MP/4MP/3MP/1080P/1.3MP/720P etc.	RS232	1 Channel
Record Rate	200Mbps	RS485	N/A
Bit Rate	16Kbps ≈ 20Mbps Per Channel	Electrical	
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, Video Loss), Stop	Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
			NVR: < 13.2W(without HDD)
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	Power Consumption	PoE: Max 25.5w for single port, 130w in total
1~30 sec, Post-record: 10~300 sec		Environmental	
Video Detection and Ale	Recording, PTZ, Tour, Video Push, Email, Snapshot,	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Trigger Events	Buzzer and Screen Tips	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Video Detection	Motion Detection, MD Zones: 396 (22 $\times$ 18), Video Loss and Tampering	Construction	
Alarm input	4 Channel	Dimensions	1U, 375mm×327.5mm×53mm (14.8" x 12.9" x2.1")
Alarm output	2 Channel	Net Weight	2.6kg (5.7 lb) (without HDD)
Playback and Backup		Gross Weight	4kg(8.8 lb)(without HDD)
Playback	1/4/9/16	Certifications	
Search Mode	Time /Date, MD and Exact Search	CE	EN55032, EN55024, EN50130-4, EN60950-1
Search Mode	(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

## Lite Series | DHI-NVR4216/4232-16P-4KS2

Ordering Information			
Туре	Part Number	Description	
16 Channel NVR	DHI-NVR4216-16P-4KS2	16 Channel 1U 16PoE 4K&H.265 Lite Network Video Recorder	
32 Channel NVR	DHI-NVR4232-16P-4KS2	32 Channel 1U 16PoE 4K&H.265 Lite Network Video Recorder	

#### **Rear Panel**



### Dimensions (mm)

