

### DHI-NVR4816/4832-4KS2

16/32 Channel 2U 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













#### **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!





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		Sony, watermet and more
Operating System	Embedded LINUX	Network	
Aduio and Video		Interface	2 RJ-45 Ports
IP Camera Input	16/32 Channel	РоЕ	N/A
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DNS, IP Filter, DDNS, FTP, SNMP,
Display		Network Function	IP Search (Support Dahua IP camera, DVR, NVS, etc.)
Interface	1 HDMI, 1 VGA	Max. User Access	128 users
Resolution	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720	Smart Phone	iPhone, iPad, Android
	VGA: 1920×1080, 1280×1024, 1280×720	Interoperability	ONVIF 2.4, SDK, CGI
Decoding Capacity	2ch@4K 30fps, 8ch@1080P 30fps	Storage	
becoming capacity	16CH: 1/4/8/9/16	Internal HDD	8 SATA III Ports, Up to 6 TB capacity for each HDD
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	3 ports(2 USB2.0, 1 USB3.0)
Compression	Smart H.265+/H.265/Smart H.264+/H.264	RS232	1 Port, for PC Communication and Keyboard
Resolution	8Mp/ 6Mp/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.	RS485	1 Port, for PTZ Control
Record 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	< 12W(without HDD)
Necord Wode		Environmental	
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Video Detection and Alarm		Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Trigger Events	Recording, PTZ, Tour, Video Push, Email, Snapshot,	Construction	
Video Detection	Buzzer and Screen Tips  Motion Detection, MD Zones: 396 (22 × 18),	Dimensions	2U, 440mm×450.1mm×95mm (17.3" x 17.7" x3.7")
Alama innut	Video Loss and Tampering	Net Weight	5.2kg (11.5 lb) (without HDD)
Alarm input	16 Channel	Gross Weight	9.5kg(20.9 lb)(without HDD)
Alarm output	4 Channel	Certifications	
Playback and Backup		CE	EN55032, EN55024, EN50130-4, EN60950-1
Playback	1/4/9/16	FCC	Part 15 Subpart B, ANSI C63.4-2014
Search Mode	Time /Date, MD and Exact Search (accurate to second), Smart search	UL	UL60950-1
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom		
Backup Mode	USB Device/Network		



#### Lite Series | DHI-NVR4816/4832-4KS2

Ordering Information				
Туре	Part Number	Description		
16 Channel NVR	DHI-NVR4816-4KS2	16 Channel 2U 4K&H.265 Lite Network Video Recorder		
32 Channle NVR	DHI-NVR4832-4KS2	32 Channle 2U 4K&H.265 Lite Network Video Record		

## Rear Panel

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