

# DHI-NVR5416/32/64-4KS2

16/32/64Channel 1.5U 4K&H.265 Pro Network Video Recorder (V2.00)



- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- · Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- · 2HDMI/2VGA simultaneous video output



#### **System Overview**

Dahua new NVR5000-4KS2 network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. This professional NVR adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Additionally, 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 easy-to-install design, the 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, which make 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 4K cameras.

#### **Functions**

#### 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.

#### Smart Fan

The NVR is equipped with a smart fan to achieve high cooling efficiency. It automatically adjusts fan speed according to CPU and ambient temperature. The fan is long-lasting and low noise, reducing maintenance costs and improving the user experience.

#### 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!

#### Fisheye Dewarping

Fisheye dewarping solves the problem of distortion in the circular panoramic view. The NVR offers various dewarping modes for different installations and configurations that enhance the video, in both live or playback modes. Each dewarping mode offers options to adjust each scene

#### **ANPR**

Automatic Number Plate Recognition available for convenient entrance/ exit management. Support license plate recognition(working with Dahua ITC camera), black/white list import/export, add/delete B/W list number, search result from recorded video.

#### Point of Sale (POS)

Ideal for grocery and retail stores, the optional POS solution allows the NVR to receive a POS transaction via corresponding video. This feature allows merchants to analyze specific transactions via the Fuzzy search algorithm.

Automatic Network Replenishment (ANR) 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.



System		Interface	2 RJ-45 I
Main Processor	Quad-core embedded processor	PoE	N/A
Operating System  Audio and Video	Embedded LINUX	Network Function	HTTP, HTTI UDP, SMTP FTP, Alarm camera, D\
IP Camera Input	16/32/64 Channel	Max. User Access	128 users
Two-way Talk	1 Channel Input, 2 Channel Output, RCA		
Display		Smart Phone	iPhone, iPad, i
Interface	2 HDMI, 2 VGA	Interoperability	ONVIF 2.4, SD
Resolution	HDMI1: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768	Storage	
	VGA1: 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768	Internal HDD	4 SATA III Por
	HDMI2/VGA2: 1920 × 1080	eSATA	1 eSATA
Decoding Capability	4-ch@8MP(30fps), 16-ch@1080P(30fps)	Auxiliary Interface	
	1st Screen: 16CH: 1/4/8/9/16 32CH: 1/4/8/9/16/25/36 64CH: 1/4/8/9/16/25/36/64 2nd Screen: 1/4/8/9/16	USB	3 USB Ports (2
Multi-screen Display		RS232	1 Port, for PC
OSD	Camera title, Time, Camera lock, Motion detection,	RS485	1 Port, for PT
	Recording	Electrical	
Recording		Power Supply	Single, AC100
Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	Power Consumption	<16.7W (Wit
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.	Fan	Smart fan, a
Bit Rate	16Kbps ∼ 20Mbps Per Channel	Environmental	
Record Mode	$\label{eq:manual_schedule} \mbox{ Manual, Schedule (Regular, MD(Motion Detection) , } \\ \mbox{ Alarm, IVS), Stop}$	Operating Conditions	-10°C ~ +55°C
Record Interval	$1 \sim 120 $ min (default: 60 min), Pre-record: $1 \sim 30 $ sec, Post-record: $10 \sim 300 $ sec	Storage Conditions	-20°C ~ +70°0
Video Detection and Alarm		Construction	
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, Snapshot, Buzzer and Screen Tips	Dimensions	1.5U, 440mm (17.3" x 16.2" x
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering	Net Weight	4.3kg (9.5 lb) (v
Alarm input	16 Channel	Gross Weight	7kg (15.4 lb) (v
Relay Output	6 Channel	Installation	Rack-mounted
Playback and Backup		Certifications	
Sync Playback	1/4/9/16	CE	EN55022, EN5
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	FCC	Part 15 Subpa
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	UL 60950-1
Backup Mode	USB Device/Network/eSATA Device		
Backup Mode Third-party Support	USB Device/Network/eSATA Device		

# Pro Series | DHI-NVR5416/32/64-4KS2

Ordering Information				
Туре	Part Number	Description		
16 Channel NVR	DHI-NVR5416-4KS2	16 Channel 1.5U 4K&H.265 Pro Network Video Recorder		
32 Channel NVR	DHI-NVR5432-4KS2	32 Channel 1.5U 4K&H.265 Pro Network Video Recorder		
64 Channel NVR	DHI-NVR5464-4KS2	64 Channel 1.5U 4K&H.265 Pro Network Video Recorder		
Accessories	ESS1504C	4 HDDs eSATA Storage (Please confirm with Technical Support for HDD capacity & compatibility)		
	ESS1508C	8 HDDs eSATA Storage (Please confirm with Technical Support for HDD capacity & compatibility)		

# Dimensions (mm) 440.00 411. 20 405.00 ......

## Accessories





## **Rear Panel**



