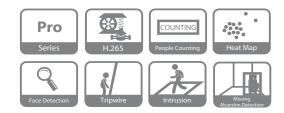


DHI-NVR5416/32/64-4KS2

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.





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

Technical Specification

Playback Function

Third-party Support

Third-party Support

Backup Mode

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System			
Main Processor	Quad-core embedded processor		
Operating System	Embedded LINUX		
Audio and Video			
IP Camera Input	16/32/64 Channel		
Two-way Talk	1 Channel Input, 2 Channel Output, RCA		
Display			
Interface	2 HDMI, 2 VGA		
Resolution	HDMI1: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768		
	VGA1: 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768		
	HDMI2/VGA2: 1920 × 1080		
Decoding Capability	4-ch@8MP(30fps), 16-ch@1080P(30fps)		
Multi-screen Display	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		
OSD	Camera title, Time, Camera lock, Motion detection, Recording		
Recording			
Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG		
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.		
Bit Rate	16Kbps ~ 20Mbps Per Channel		
Record Mode	Manual, Schedule (Regular, MD(Motion Detection) , Alarm, IVS), Stop		
Record Interval	$1^{\sim}120$ min (default: 60 min), Pre-record: $1^{\sim}30$ sec, Post-record: $10^{\sim}300$ sec		
Video Detection and Alarm			
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, Snapshot, Buzzer and Screen Tips		
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering		
Alarm input	16 Channel		
Relay Output	6 Channel		
Playback and Backup			
Sync Playback	1/4/9/16		
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)		

Play, Pause, Stop, Rewind, Fast play, Slow Play, Next

Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC,

LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony,

File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom

USB Device/Network/eSATA Device

Watchnet and more

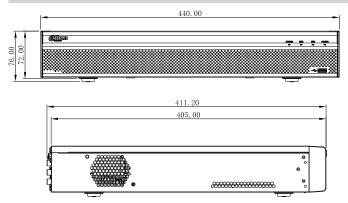
Network				
Interface	2 RJ-45 Ports (10/100/1000Mbps) Independent or Joint Working			
PoE	N/A			
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP0E,DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), Easy4IP			
Max. User Access	128 users			
Smart Phone	iPhone, iPad, Android			
Interoperability	ONVIF 2.4, SDK, CGI			
Storage				
Internal HDD	4 SATA III Ports, Up to 10 TB capacity for each HDD			
eSATA	1 eSATA			
Auxiliary Interface				
USB	3 USB Ports (2 Rear USB 3.0 , 1 Front USB 2.0)			
RS232	1 Port, for PC Communication and Keyboard			
RS485	1 Port, for PTZ Control			
Electrical				
Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz			
Power Consumption	<16.7W (Without HDD)			
Fan	Smart fan, automatically adjust running speed			
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	1.5U, 440mm x 411.2mm x 76mm ; (17.3" x 16.2" x 3.0")			
Net Weight	4.3kg (9.5 lb) (without HDD)			
Gross Weight	7kg (15.4 lb) (without HDD)			
Installation	Rack-mounted			
Certifications				
CE	EN55022, EN55024, EN50130-4, EN60950-1			
FCC	Part 15 Subpart B, ANSI C63.4-2014			
UL	UL 60950-1			

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Ordering Information

or defining 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)



Rear Panel

