

DHI-NVR4416/4432-4KS2

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



- 16/32-channel IP video access
- Smart H.265+/Smart H.264+/H.265/H.264; H.265 auto switch
- Max 200 Mbps incoming bandwidth
- Up to 8MP resolution for preview and playback
- 8-channel decoding@1080p (30 fps)
- Al by Camera: Perimeter protection; SMD Plus; people counting; heat map



Dahua's new NVR4000-4KS2 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.

Series Overview

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 multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with 4K cameras.

Functions

Perimeter Protection by Camera

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, and more. Enables system to act secondary recognition for the targets. Improving alarm accuracy.

SMD Plus by Camera

With intelligent algorithm, Dahua smart motion detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

People Counting by Camera

With deep learning algorithm, Dahua People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs yearly/monthly/weekly/daily reports to meet your requirements.

Smart Codec

With advanced scene-adaptive rate control algorithm, Dahua smart codec technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to device and then recorded in it.

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 back-end 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.



Pro Series | DHI-NVR4416/4432-4KS2

Technical Specification

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System			
Main Processor	Industrial embedded micro-processor		
Operating System	Embedded Linux		
Operation Interface	Web; local GUI		
Perimeter Protection by Camera			
Performance	16 channels		
Al Search	Search for pictures by channel, time and event type		
SMD Plus by Camera			
Performance	16/32 channels		
Al Search	Search by target classification (human, vehicle)		
Video			
Access Channel	16/32		
Network Bandwidth	200 Mbps for access, 200 Mbps for storage and 96 Mbps for forwarding		
Resolution	8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1.3MP, 720p, D1 and more		
Decoding Capability	8 channels@1080p (30 fps)		
Video Output	HDMI: 3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720 VGA: 1920 × 1080; 1280 × 1024; 1280 × 720		
Multi-screen Display	16-channel: 1/4/8/9/16 32-channel: 1/4/8/9/16/25/36		
Third Party Camera Access	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, ONVIF, Canon and more		
Compression			
Video	Smart H.265+; Smart H.264+; H.265; H.264		
Audio	PCM; G.711A; G.711U; G.726		
Network			
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; Alarm Server; IP Search (supports Dahua IP camera, DVR, NVS, and more); P2P		
Mobile Phone Access	Android; iOS		
Interoperability	ONVIF (profile T/S/G); CGI; SDK		
Browser	Chrome; IE9 or later; Firefox		
Record Playback			
Multi-channel Playback	1/4/9/16		
Record Mode	Manual; schedule (general; MD; alarm; MD & alarm intelligent)		
Storage Method	Local HDD and network		
Backup	USB device		
Playback Function	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (cut/file) ; partially enlarge; audio on/off		

Disk GroupYesAlarmMotion detection; privacy masking; video loss; PIR alarm; IPC alarmAnomaly AlarmComfice; Korage error; full storage; IP comfice; KMAC conflict; login lock; network security anomalyIntelligent AlarmPerimeter protection; SMD; people counting; heat mashed; IPC external alarm output; buzzer; log; preset; emailAlarn LinkageRecord; snapshot; IPC external alarm output; buzzer; log; preset; emailExternal PortI channel, RCA connectorAudio Output1 channel, RCA connector, which support voice intercom outputAudio Output1 channel, RCA connector, which support voice intercom outputAlarm Input1 channel, RCA connector, which support voice intercom outputAlarm Output1 channel, weat to debug and pass through serial datarn OutputRs-4851 channel, used to control PTZ, and it supports multiple protocolsUSB1 fornt USB 2.0 port, 1 rear USB 3.0 portHDMI1Network2 Rl-45 10/100/1000 Mbps self-adaptive Ethernet portsPower SupplySingle, 100V-240V AC, 50 Hz-60 HzPower Consumption<11.7V (without HDD)Product Dimensions\$40.0 mm x412.1 mm x76.0 mm (17.3" x16.2" x 3.0"Product Dimensions52.22 mm x492 mm x200 mm (20.6" x19.4" x7.9"Poreating TemperatureOrC to +40°C (+32°F to +104°F)Operating Temperature0°C to +40°C (+32°F to +104°F)Operating Temperature0°C to +40°C (+32°F to +104°F)Operating Humidity0%0-85% (RH)Operating Altitude\$0000 m (9.843 ft)Curtifica	Storage				
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CE: EN55032; EN55024; EN50130-4; EN60950-1 Certifications FCC: Part 15 Subpart B; ANSI C63.4-2014	Storage Humidity	30%–85% (RH)			
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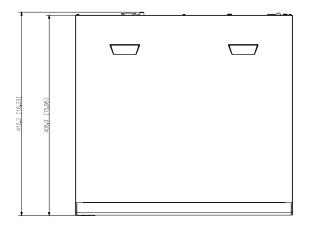


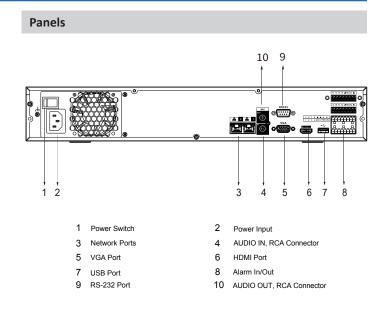
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Ordering Information			
Туре	Model	Description	
16 Channel NVR	DHI-NVR4416-4KS2	16 Channel 1.5U 4K & H.265 Lite Network Video Recorder	
32 Channel NVR	DHI-NVR4432-4KS2	32 Channel 1.5U 4K & H.265 Lite Network Video Recorder	

Dimensions (mm[inch])







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