

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

16 Channel 1U 2HDDs 16PoE Network Video Recorder



#### **Series Overview**

Dahua NVR4000-4KS2/L is introduced as the 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 Profile S, T, G protocol, enabling interoperability with IP cameras. This NVR is specific design for CCTV application and can record IP camera via IP network, display on local dispaly port and transmit data via IP Network, upto 4K resolution

## **Functions**

# **Perimeter Protection by Camera**

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

## **Face Detection by Camera**

Face detection is to detect if there is any human face appearing in the video. This technology adopts a deep learning algorithm to support face detection, tracking, optimization and capturing, and then output the best face snapshot.

#### **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

- · New 4.0 user interface, Security baseline 2.1
- H.264, H.265, Smart H.264+, and Smart H.265+. H.265 auto switch
- Max. decoding capability: 8 × 1080p@30 fps. Supports adaptive decoding
- Supports mainstream cameras of ONVIF and RTSP protocols
- P2P remote surveillance, video play on mobile device
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- Al by Camera: Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- Supports remote configuration and management of IPC, such as set ting parameters, getting information, and upgrading IPC of the same model in batches











#### **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.

#### 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.

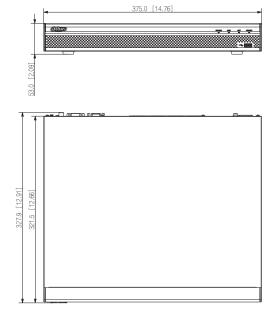
Backup

USB storage device

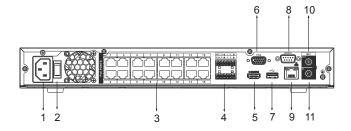
Technical Specificati	on	Dlauback Franchis	Play/pause/stop/slow/quick/backward/by frame     Full corons backure/video dis/file) portiol zone
System		Playback Function	2. Full screen, backup (video clip/file), partial zoon and audio on/off
Main Processor	Industrial-grade embedded processor	Storage	
OS	Embedded Linux	Disk Group	Yes
Operation Interface	Web/operating in local GUI	Alarm	
Perimeter Protection by Camera		General Alarm	Motion detection, privacy masking, video loss, sce changing, PIR alarm, IPC external alarm
Performance	8 channels	Anomaly Alarm	Camera disconnection, storage error, disk full, IP
Al Search	Search for pictures by channel, time and event type		MAC conflict, login locked, and cybersecurity excellent face detection, perimeter protection (intrusion at
Face Detection by Camera		Intelligent Alarm	tripwire), IVS, people counting, heat map, and SMI alarms
Performance	4 channels	Alarm Linkage	Recording, snapshot, audio, buzzer, log, preset, ar email
Face Attributes	6 attributes: Gender, age, glasses, expression, mouth mask, and beard	External Port	eman
AI Search	Search for pictures by channel, time and face attributes	Audio Input	1 × RCA input
SMD Plus by Camera		Audio Output	1 × RCA output
Performance	12 channels	Αυσίο Ουτρατ	2 SATA III ports, up to 10 TB for a single HDD. The
Al Search	Search by target classification (human, vehicle)	HDD	maximum HDD capacity varies with environment temperature
Video		Alarm Input	4
Access Channel	16	Alarm Output	2
Network Bandwidth	Access: 160 Mbps; Storage: 160 Mbps; Forward: 64 Mbps	USB	2 (1 × front USB2.0; 1 × back USB2.0)
Resolution	8MP; 6MP; 5MP; 4MP; 3MP; 1080p; 720p; D1	HDMI	1 (supports up to 4K resolution output)
Decoding Capability	8 × 1080p@30 fps	VGA	1
	1 × VGA output, 1 × HDMI output, supports	Network	1 × RJ-45, 10/100/1000 Mbps self-adaptive Etherr
Video Output	simultaneous video sources output for VGA and HDMI	PoE(IEEE802.3af)	16 ports
Multi-screen Display	1 , 4, 8, 9, 16 views	General Parameter	
Third-party Camera Access	ONVIF; RTSP	Power Supply	100 V-240 V, 47 Hz-63 HZ, 3.5 A
Compression		Power Consumption	< 10 W (HDD not included, idling)  Total output power of PoE is 117W, the maximum output power of a single port is 25.5W
Video	Smart H.265/H.265/Smart H.264/H.264/MJPEG	Net Weight	2.63 kg (5.80 lb)
Audio	PCM/G711A/G711U/G726/AAC	Gross Weight	3.91 kg (8.62 lb)
Network		Product Dimensions	375 mm × 327.4 mm × 53.8 mm (14.76" × 12.89"
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; Alarm Server; IP Search (Support Dahua IP camera; DVR; NVS;	Package Dimensions	2.12") (W × L × H) 170 mm × 449 mm × 421 mm (6.69" × 17.68" × 16 (W × L × H)
	etc.); P2P; auto register	Operating Conditions	-10 °C to +55 °C (+10 °F to +131 °F)
Mobile Phone Access	Android; iOS	Storage Conditions	0 °C to +40 °C (32 °F to 104 °F)
Interoperability	ONVIF(profile T/S/G); CGI; SDK	Operating Humidity	10%~93%
Browser	Chrome; IE9 or later; firefox	Storage Humidity	30%~85%
Record Playback		Operating Altitude	3000 m (9842.52 ft)
Multi-channel Playback	Up to 16 channels for playback	Installation	Desktop mounted
Record Mode	Manual record; alarm recording; SMD recording; smart recording	Certifications	CE: EN62368-1; EN55032,EN55024, EN55035, EN63-2, EN61000-3-3 EN50130-4
Storage	Local HDD; network		FCC: Part 15 Subpart B

Ordering Information				
Туре	Model	Description		
16 Channel NVR	DHI-NVR4216-16P- 4KS2/L	16 Channel 1U 2HDDs 16PoE Network Video Recorder		

# Dimensions (mm[inch])



### **Panels**



- 1 Power Input Port
- 3 PoE Ports
- 5 HDMI Port
- 7 USB Port
- 9 Network Port
- 2 Power Switch
- 4 NO1 C1/CTRL P
- 6 VGA Port
- 8 RS232 Port
- 10 AUDIO OUT, RCA Connector
- 11 AUDIO IN, RCA Connector