

DHI-NVR4208-4KS2/L

8 Channel 1U 2HDDs 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.

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.

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Technical Specification

System

Backup

System			
Main Processor	Industrial-grade embedded processor		
OS	Embedded Linux		
Operation Interface	Web/operating in local GUI		
Perimeter Protection by Camera			
Performance	8 channels		
AI Search	Search for pictures by channel, time and event type		
Face Detection by Camera			
Performance	4 channels		
Face Attributes	6 attributes: Gender, age, glasses, expression, mouth mask, and beard		
AI Search	Search for pictures by channel, time and face attributes		
SMD Plus by Camera			
Performance	8 channels		
AI Search	Search by target classification (human, vehicle)		
Video			
Access Channel	8		
Network Bandwidth	Access: 160 Mbps; Storage: 160 Mbps; Forward: 64 Mbps		

Resolution	8MP; 6MP; 5MP; 4MP; 3MP; 1080p; 720p; D1		
Decoding Capability	8 × 1080p@30 fps		
Video Output	1 × VGA output, 1 × HDMI output, supports simultaneous video sources output for VGA and HDMI		
Multi-screen Display	1 , 4, 8, 9 views		
Third-party Camera Access	ONVIF; RTSP		
Compression			
Video	Smart H.265/H.265/Smart H.264/H.264/MJPEG		
Audio	PCM/G711A/G711U/G726/AAC		
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 (Support Dahua IP camera; DVR; NVS; etc.); P2P; auto register		
Mobile Phone Access	Android; iOS		
Interoperability	ONVIF(profile T/S/G); CGI; SDK		
Browser	Chrome; IE9 or later; firefox		
Record Playback			
Multi-channel Playback	Up to 8 channels for playback		
Record Mode	Manual record; alarm recording; SMD recording; smart recording		
Storage	Local HDD; network		

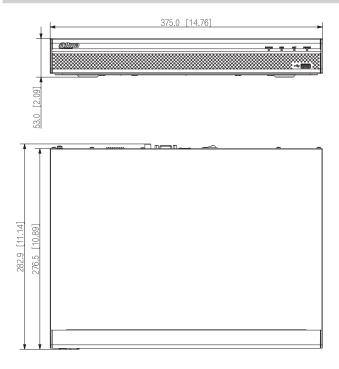
USB storage device

Playback Function	1. Play/pause/stop/slow/quick/backward/by frame 2. Full screen, backup (video clip/file), partial zoom in, and audio on/off
Storage	
Disk Group	Yes
Alarm	
General Alarm	Motion detection, privacy masking, video loss, scene changing, PIR alarm, IPC external alarm
Anomaly Alarm	Camera disconnection, storage error, disk full, IP conflict, MAC conflict, login locked, and cybersecurity exception
Intelligent Alarm	Face detection, perimeter protection (intrusion and tripwire), IVS, people counting, heat map, and SMD alarms
Alarm Linkage	Recording, snapshot, audio, buzzer, log, preset, and email
External Port	
Audio Input	1 × RCA input
Audio Output	1 × RCA output
HDD	2 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature
Alarm Input	4
Alarm Output	2
USB	2(1 × front USB2.0; 1 × back USB2.0)
HDMI	1 (supports up to 4K resolution output)
VGA	1
Network	1 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
General Parameter	
Power Supply	DC12 V, 4 A
Power Consumption	< 10 W (HDD not included, idling)
Net Weight	1.51 kg (3.33 lb)
Gross Weight	2.76 kg (6.08 lb)
Product Dimensions	375 mm × 282.4 mm × 53 mm (14.76" × 11.12" × 2.09") (W × L × H)
Package Dimensions	141 mm × 433 mm × 366 mm (5.55" × 17.05" × 14.41") (W × L × H)
Operating Conditions	-10 °C to +55 °C (+10 °F to +131 °F)
Storage Conditions	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	10%~93%
Storage Humidity	30%~85%
Operating Altitude	3000 m (9842.52 ft)
Installation	Desktop mounted
Certifications	CE: EN62368-1; EN55032,EN55024, EN55035, EN61000- 3-2, EN61000-3-3 EN50130-4 FCC: Part 15 Subpart B

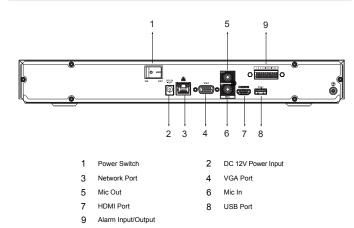
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Ordering Information				
Туре	Model	Description		
8 Channel NVR	DHI-NVR4208- 4KS2/L	8 Channel 1U Network Video Recorder		

Dimensions (mm[inch])



Panels



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