

DHI-NVR4108HS-P-4KS2/L

8 Channel Compact 1U 1HDD 4PoE 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.

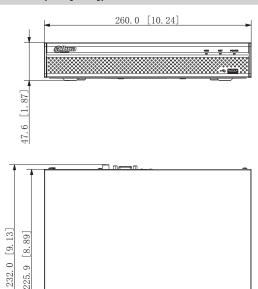
Technical Specificat	ion	
System		Playback Function
Main Processor	Industrial-grade embedded processor	Storage
OS	Embedded Linux	Disk Group
Operation Interface	Web/operating in local GUI	Alarm
Perimeter Protection	n by Camera	General Alarm
Performance	8 channels	General Alarm
Al Search	Search for pictures by channel, time and event type	Anomaly Alarm
Face Detection by Camera		Intelligent Alarm
Performance	4 channels	
Face Attributes	6 attributes: Gender, age, glasses, expression, mouth mask, and beard	Alarm Linkage
AI Search	Search for pictures by channel, time and face attributes	External Port
SMD Plus by Camera	a	Audio Input
Performance	8 channels	Audio Output
Al Search	Search by target classification (human, vehicle)	HDD
Video		
Access Channel	8	USB
Network Bandwidth	Access: 80 Mbps; Storage: 80 Mbps; Forward: 60 Mbps	HDMI
Resolution	8MP; 6MP; 5MP; 4MP; 3MP; 1080p; 720p; D1	VGA
Decoding Capability	8 × 1080p@30 fps	Network
Video Output	1 × VGA output, 1 × HDMI output, supports simultaneous video sources output for VGA and HDMI	General Paramet
Multi-screen Display	1, 4, 8, 9 views	Power Supply
Third-party Camera Access	ONVIF; RTSP	Power Consumption
Compression		Net Weight
Video	Smart H.265/H.265/Smart H.264/H.264/MJPEG	Gross Weight
Audio	PCM/G711A/G711U/G726/AAC	
Network		Product Dimensions
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; Alarm	Package Dimensions
	Server; IP Search (Support Dahua IP camera; DVR; NVS; etc.); P2P; auto register	Operating Conditions
Mobile Phone Access	Android; iOS	Storage Conditions
Interoperability	ONVIF(profile T/S/G); CGI; SDK	Operating Humidity
Browser	Chrome; IE9 or later; firefox	Storage Humidity
Record Playback		Operating Altitude
Multi-channel Playback	Up to 8 channels for playback	Installation
Record Mode	Manual record; alarm recording; SMD recording; smart recording	Certifications
Storage	Local HDD; network	
Backup	USB storage device	

Anomaly Alarm Changing, PIR: Anomaly Alarm Camera discor MAC conflict, I Face detection tripwire), IVS, alarms Alarm Linkage External Port Audio Input 1 × RCA input Audio Output 1 × RCA output HDD 1 SATA III port maximum HDI temperature USB 2 (1 × front US HDMI 1 (supports up VGA 1 Network 1 × RJ-45, 10/1 POE 4 General Parameter Power Supply DC48 V/53 V,1 Power Consumption Net Weight 0.86 kg (1.90 II Product Dimensions (W × L × H) Package Dimensions 117 mm × 373 (W × L × H) Package Dimensions	on, privacy masking, video loss, scene arm, IPC external alarm ection, storage error, disk full, IP conflict gin locked, and cybersecurity exception perimeter protection (intrusion and eople counting, heat map, and SMD				
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Audio Output 1 × RCA output HDD 1 SATA III port maximum HDI temperature USB 2 (1 × front US HDMI 1 (supports up VGA 1 Network 1 × RJ-45, 10/1 POE 4 General Parameter Power Supply DC48 V/53 V,1 Power Consumption 7 10 (HDD or Total output p power of a sing) Net Weight 0.86 kg (1.90 ll) Gross Weight 1.86 kg (4.10 ll) Product Dimensions (W × L × H) Package Dimensions 117 mm × 373 (W × L × H) Operating Conditions -10 °C to +55 Storage Conditions 0 °C to +40 °C Operating Humidity 30%~85%	External Port				
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POE 4 General Parameter Power Supply DC48 V/53 V,1 Power Consumption Total output p power of a sin. Net Weight 0.86 kg (1.90 lt Gross Weight 1.86 kg (4.10 lt Product Dimensions (W × L × H) Package Dimensions 117 mm × 373 (W × L × H) Operating Conditions -10 °C to +55. Storage Conditions 0 °C to +40 °C Operating Humidity 10%~93% Storage Humidity 30%~85%					
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Operating Conditions -10 °C to +55 Storage Conditions 0 °C to +40 °C Operating Humidity 10%~93% Storage Humidity 30%~85%	mm × 50.3 mm (10.24" × 9.15" × 1.98")				
Storage Conditions 0 °C to +40 °C Operating Humidity 10%~93% Storage Humidity 30%~85%					
Operating Humidity 10%~93% Storage Humidity 30%~85%	nm × 307 mm (4.61" × 14.69" × 12.09")				
Storage Humidity 30%~85%	nm × 307 mm (4.61" × 14.69" × 12.09") (+10 °F to +131 °F)				
	(+10 °F to +131 °F)				
Operating Altitude 3000 m (9842.	(+10 °F to +131 °F)				
	(+10 °F to +131 °F)				
Installation Desktop mour	(+10 °F to +131 °F)				
Certifications CE: EN62368-1 3-2, EN61000- FCC: Part 15 St	2 °F to 104 °F)				

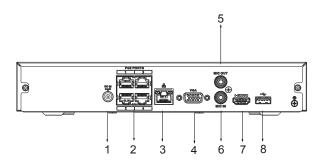
1. Play/pause/stop/slow/quick/backward/by frame

Ordering Information			
Туре	Model	Description	
8 Channel NVR	DHI-NVR4108HS-P- 4KS2/L	8 Channel Compact 1U 1HDD 4PoE Network Video Recorder	

Dimensions (mm[inch])



Panels



- 1 DC Power Input
- 2 PoE Ports
- 3 Network Port
- 4 VGA Port
- 5 AUDIO IN, RCA Connector
- 6 AUDIO OUT, RCA Connector
- 7 HDMI Port
- 8 USB Port