

DHI-NVR4104HS-P-4KS2/L

4 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: 4 × 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

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.

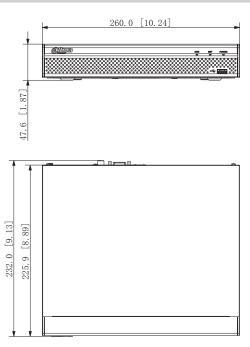
Backup

USB storage device

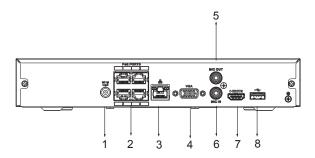
Technical Specification	on		Play/pause/stop/slow/quick/backward/by frame	
System		Playback Function	Full screen, backup (video clip/file), partial zoom in, and audio on/off	
Main Processor	Industrial-grade embedded processor	Storage		
OS	Embedded Linux	Disk Group	Yes	
Operation Interface	Web/operating in local GUI	Alarm		
Perimeter Protection by Camera		General Alarm	Motion detection, privacy masking, video loss, scene	
Performance	4 channels		changing, PIR alarm, IPC external alarm	
AI Search	Search for pictures by channel, time and event type	Anomaly Alarm	Camera disconnection, storage error, disk full, IP conflict, MAC conflict, login locked, and cybersecurity exception	
Face Detection by Camera		Intelligent Alessa	Face detection, perimeter protection (intrusion and	
Performance	4 channels	Intelligent Alarm	tripwire), IVS, people counting, heat map, and SMD alarms	
Face Attributes	6 attributes: Gender, age, glasses, expression, mouth mask, and beard	Alarm Linkage	Recording, snapshot, audio, buzzer, log, preset, and email	
AI Search	Search for pictures by channel, time and face attributes	External Port	External Port	
SMD Plus by Camera		Audio Input	1 × RCA input	
Performance	4 channels	Audio Output	1 × RCA output	
Al Search Video	Search by target classification (human, vehicle)	HDD	1 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature	
Access Channel	4	USB	2 (1 × front USB2.0; 1 × back USB2.0)	
Network Bandwidth	Access: 80 Mbps; Storage: 80 Mbps; Forward: 60 Mbps	HDMI	1 (supports up to 4K resolution output)	
Resolution	8MP; 6MP; 5MP; 4MP; 3MP; 1080p; 720p; D1	VGA	1	
Decoding Capability	4 × 1080p@30 fps	Network	$1 \times \text{RJ-45}$, 10/100 Mbps self-adaptive Ethernet port	
Video Output	1 × VGA output, 1 × HDMI output, supports simultaneous video sources output for VGA and HDMI	POE	4	
Multi-screen Display	1, 4 views	General Parameter		
Third-party Camera		Power Supply	1.25 A/1.33 A, 1.25 A/1.33 A	
Access Compression	ONVIF; RTSP	Power Consumption	< 10 W (HDD not included, idling) Total output power of PoE is 36W, 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	0.86 kg (1.90 lb)	
Audio	PCM/G711A/G711U/G726/AAC	Gross Weight	1.86 kg (4.10 lb)	
Network		Product Dimensions	260 mm × 232.3 mm × 50.3 mm (10.24" × 9.14" × 1.98") (W × L × H)	
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	Package Dimensions	117 mm × 373 mm × 307 mm (4.61" × 14.69" × 12.09") (W × L × H)	
		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 4 channels for playback	Installation	Desktop mounted	
Record Mode	Manual record; alarm recording; SMD recording; smart recording	Certifications	CE: EN62368-1; EN55032,EN55024, EN55035, EN61000- 3-2, EN61000-3-3 EN50130-4 FCC: Part 15 Subpart B	
Storage	Local HDD; network			

Ordering Information				
Туре	Model	Description		
4 Channel NVR	DHI-NVR4104HS-P- 4KS2/L	4 Channel Compact 1U 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