

DHI-NVR4116HS-8P-4KS2/L

16 Channel Compact 1U 1HDD 8PoE 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.



Lite Series | DHI-NVR4116HS-8P-4KS2/L

Technical Specification

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 6 attributes: Gender, age, glasses, expression, mouth Face Attributes mask, and beard AI Search Search for pictures by channel, time and face attributes SMD Plus by Camera Performance 12 channels Search by target classification (human, vehicle) AI Search Video 16 Access Channel Access: 80 Mbps; Storage: 80 Mbps; Forward: 60 Mbps Network Bandwidth Resolution 8MP; 6MP; 5MP; 4MP; 3MP; 1080p; 720p; D1 **Decoding Capability** 8 × 1080p@30 fps $1 \times \text{VGA}$ output, $1 \times \text{HDMI}$ output, supports Video Output simultaneous video sources output for VGA and HDMI Multi-screen Display 1, 4, 8, 9, 16 views Third-party Camera ONVIF; RTSP Access Compression Video Smart H.265/H.265/Smart H.264/H.264/MJPEG PCM/G711A/G711U/G726/AAC Audio Network HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; Alarm Network Protocol 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 16 channels for playback Manual record; alarm recording; SMD recording; smart Record Mode recording

Local HDD; network

USB storage device

 Play/pause/stop/slow/quick/backward/by frame Full screen, backup (video clip/file), partial zoom in, and audio on/off
Yes
Motion detection, privacy masking, video loss, scene
changing, PIR alarm, IPC external alarm
Camera disconnection, storage error, disk full, IP conflict, MAC conflict, login locked, and cybersecurity exception
Face detection, perimeter protection (intrusion and tripwire), IVS, people counting, heat map, and SMD alarms
Recording, snapshot, audio, buzzer, log, preset, and email
1 × RCA input
1 × RCA output
1 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature
2 (1 × front USB2.0; 1 × back USB2.0)
1 (supports up to 4K resolution output)
1
$1 \times RJ-45$, 10/100 Mbps self-adaptive Ethernet port
8
DC48V/53V,2A/1.8A
< 10 W (HDD not included, idling) Total output power of PoE is 72W, the maximum output power of a single port is 25.5W
0.92 kg (2.03 lb)
2.07 kg (4.56 lb)
260 mm × 232.5 mm × 50.3 mm (10.24" × 9.15" × 1.98") (W × L × H)
117 mm × 373 mm × 307 mm (4.61" × 14.69" × 12.09") (W × L × H)
-10 °C to +55 °C (+10 °F to +131 °F)
0 °C to +40 °C (32 °F to 104 °F)
10%~93%
30%~85%
3000 m (9842.52 ft)
Desktop mounted
CE: EN62368-1; EN55032,EN55024, EN55035, EN61000- 3-2, EN61000-3-3 EN50130-4 FCC: Part 15 Subpart B

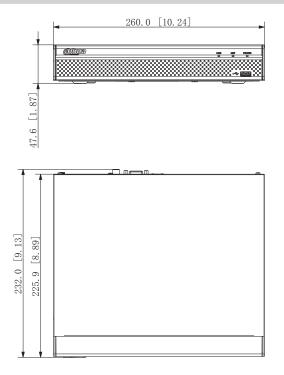
TIDMS

Storage Backup

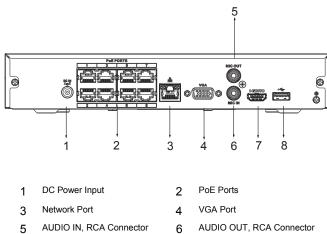
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Ordering Information		
Туре	Model	Description
16 Channel NVR	DHI-NVR4116HS- 8P-4KS2L	16 Channel Compact 1U 1HDD 8PoE Network Video Recorder

Dimensions (mm[inch])



Panels



HDMI Port 8

USB Port

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TIDMS

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