

DHI-NVR5208/5216/5232-8P-4KS2

8/16/32 Channel 1U 2HDDs 8PoE 4K & H.265 Pro Network Video Recorder



Dahua's new NVR5000-4KS2 network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. This professional NVR adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Additionally, the NVR can be served as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control.

Series Overview

The NVR is compatible with numerous third-party devices, which make it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with 4K cameras.

Functions

Perimeter Protection by Camera

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

Face Recognition by Camera

Dahua face recognition technology extracts the features of captured faces and compares them with that in face database to recognize the person identity.

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.

Video Metadata by Camera

With deep learning algorithm, Dahua video metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

- 8/16/32-channel IP video access
- Smart H.265+/Smart H.264+/H.265/H.264/MJPEG; H.265 auto switch
- · Max 320 Mbps incoming bandwidth
- Up to 24MP resolution for live view and playback
- · 1-channel fisheye dewarping (AI by NVR)
- Al by Camera: Perimeter protection; face detection and recognition; SMD Plus; video metadata; ANPR; people counting; stereo analysis; crowd distribution; heat map
- · Support IPC UPnP, 8 PoE ports



ANPR by Camera

With deep learning algorithm, Dahua ANPR technology can recognize the number plate information of vehicles in the image with ANPR cameras. Support block/allowlist mode, searching target vehicles from recorded video.

Fisheye Dewarping

Fisheye dewarping solves the problem of distortion in the circular panoramic view. The device offers various dewarping modes for different installations and configurations that enhance the video, in both live or playback modes. Each dewarping mode offers options to adjust each scene.

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.

Stereo Analysis by Camara

With deep learning algorithm and scene 3-dimensional information, Dahua stereo analysis technology can recognize people's behaviors, such as fall detection, violence detection, strand detection, and space exception, and then generates alarm signals and triggers linkage.

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.



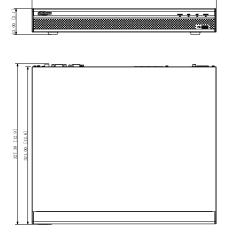
| Technical Specification | | Compression | |
|--------------------------------|--|------------------------|---|
| System | | Video | Smart H.265+; Smart H.264+; H.265; H.264; MJPEG |
| Main Processor | Industrial embedded micro-processor | Audio | PCM; G.711A; G.711U; G.726 |
| Operating System | Embedded Linux | Network | |
| Operation Interface | Web; local GUI | Network Protocol | HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSF UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDN FTP; Alarm Server; IP Search (Supports Dahua IP |
| Perimeter Protection by Camera | | | camera, DVR, NVS, and more.); P2P |
| Performance | 8/16/20 channels | Mobile Phone Access | Android; iOS |
| Al Search | Search for pictures by channel, time and event type | Interoperability | ONVIF (profile T/S/G); CGI; SDK |
| Face Recognition by Camera | | Browser | Chrome; IE9 or later; Firefox |
| Performance | 8/14/14 channels | Record Playback | |
| Face Attributes | 6 attributes: Gender; age; glasses; expression; mouth mask; beard | Multi-channel Playback | 8-channel: 1/4/9 16/32-channel: 1/4/9/16 |
| Al Search | Search for pictures by channel, time and face attributes | Record Mode | Manual; schedule (general; MD; alarm; MD & alarn intelligent; POS) |
| SMD Plus by Camera | | Storage Method | Local HDD and network |
| Performance | 8/16/32 channels | Backup | USB device |
| Al Search Video Metadata by Ca | Search by target classification (human, vehicle) | Playback Function | 1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (cut/file); partially enlarge; |
| Performance 8/16/16 channels | | audio on/off | |
| Human Body | Top; top color; bottom; bottom color; hat; bag; gender; age; umbrella | Storage Disk Group | Yes |
| Vehicle | Plate No.; type; color; vehicle type; logo; plate color; | Alarm | |
| Non-motor Vehicle | ornament; calling; seatbelt; region Type; color; number of passengers; helmet | General Alarm | Motion detection; privacy masking; video loss; loc alarm; PIR alarm; IPC alarm |
| Al Search | Supports searching for target video by metadata | | Camera offline; storage error; full storage; IP |
| ANPR by Camera | | Anomaly Alarm | conflict; MAC conflict; login lock; network security anomaly |
| Performance | 4 channels | | Perimeter protection; face detection; face recognition; SMD; video metadata (human; |
| Stereo Analysis by Camera | | Intelligent Alarm | motor-vehicle; non-motor vehicle); ANPR; people counting; stereo analysis; crowd distribution; heat map |
| Performance | 8/16/16 channels | Alarm Linkage | Record; snapshot; IPC external alarm output; |
| Al Search | Search by target classification (fall detection; people approach detection; people No. exception detection; people staying detection; violence | External Port | buzzer; log; preset; email |
| | detection) | Audio Input | 1 channel, RCA connector |
| Video | | Audio Output | 1 channel, RCA connector, which supports voice intercom output |
| Access Channel | 8/16/32 | | 2 SATA III ports, up to 10 TB for a single HDD. The |
| Network Bandwidth | 320 Mbps for access, 320 Mbps for storage and 320 Mbps for forwarding | HDD | maximum HDD capacity varies with environment temperature |
| Resolution | 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1.3MP, 720p, D1, and more | Alarm Input | 4 channels |
| Decoding Capability | 16-channel@1080P (30 fps) | Alarm Output | 2 channels |
| Video Output | HDMI1: 3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720 | RS-232 | 1 channel, used to debug and pass through serial data |
| | VGA1: 1920 × 1080; 1280 × 1024; 1280 × 720 | RS-485 | 1 channel, used to control PTZ, and it supports multiple protocols |
| Multi-screen Display | 8-channel: 1/4/8/9 16-channel: 1/4/8/9/16 32-channel: 1/4/8/9/16/25/36 | USB | 1 front USB 2.0 port, 1 rear USB 3.0 port |
| TI. 10 | Panasonic, Sony, Samsung, Axis, Pelco, Arecont, | HDMI | 1 |
| Third Party Camera Access | ONVIF, Canon and more | VGA | 1 |

| Network | 1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet port |
|-------------------|--|
| PoE | 8 ports (IEEE802.3af/at) |
| General Parameter | |

| General Parameter | | | |
|-----------------------|--|--|--|
| Power Supply | Single, 100V–240V AC, 50 Hz–60 Hz | | |
| Power Consumption | NVR: < 14.5W (without HDD) PoE: Max 25.5W for single port 130W total rated power, 80% control for protection | | |
| Net Weight | 2.6 kg (5.7 lb) (without HDD) | | |
| Gross Weight | 4 kg (8.8 lb) (without HDD) | | |
| Product Dimensions | 375.0 mm × 327.4 mm × 53.0mm (14.8" × 12.9" × 2.1") | | |
| Package Dimensions | 429 mm × 137 mm × 360 mm (16.9" × 14.2" × 5.4") | | |
| Operating Temperature | -10°C to +55°C (+14°F to +131°F) | | |
| Storage Temperature | 0°C to +40°C (+32°F to +104°F) | | |
| Operating Humidity | 10%-93% (RH) | | |
| Storage Humidity | 30%-85% (RH) | | |
| Operating Altitude | 3,000 m (9,843 ft) | | |
| Certifications | CE: EN55032; EN55024; EN50130-4; EN60950-1 FCC: Part 15 Subpart B; ANSI C63.4-2014 UL: UL 60950-1 | | |

| Ordering Information | | | | |
|----------------------|-------------------------|---|--|--|
| Туре | Model | Description | | |
| 8 Channel NVR | DHI-NVR5208-8P- 4KS2 | 8 Channel 1U 8PoE 4K & H.265 Pro Network Video Recorder | | |
| 16 Channel NVR | DHI-NVR5216-8P- 4KS2 | 16 Channel 1U 8PoE 4K & H.265 Pro Network Video Recorder | | |
| 32 Channel NVR | DHI-NVR5232-8P- 4KS2 | 32 Channel 1U 8PoE 4K & H.265 Pro Network Video Recorder | | |

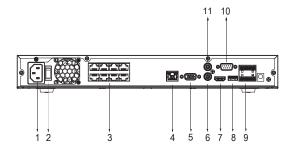
Dimensions (mm[inch])



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Pictures in the document are for reference only, and the actual product shall prevail.

Panels



- 1 Power Input
- 3 PoE Ports
- 5 VGA Port
- 7 HDMI Port
- 9 Alarm In/Out
- 11 AUDIO OUT, RCA Connector
- 2 Power Switch
- 4 Network Port
- 6 AUDIO IN, RCA Connector
- 8 USB Port
- 10 RS-232 Port

