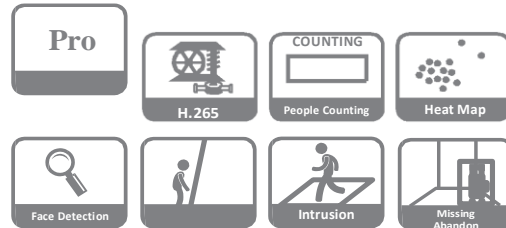


# DHI-NVR5208/16/32-4KS2

8/16/32Channel 1U 4K&H.265 Pro Network Video Recorder (V2.00)



- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output



## System Overview

Dahua 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.

Due to its easy-to-install design, the 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, 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

### Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

### Smart Fan

The NVR is equipped with a smart fan to achieve high cooling efficiency. It automatically adjusts fan speed according to CPU and ambient temperature. The fan is long-lasting and low noise, reducing maintenance costs and improving the user experience.

### 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 NVR 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!

### Fisheye Dewarping

Fisheye dewarping solves the problem of distortion in the circular panoramic view. The NVR 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.

### ANPR

Automatic Number Plate Recognition available for convenient entrance/ exit management. Support license plate recognition(working with Dahua ITC camera), black/white list import/export, add/delete B/W list number, search result from recorded video.

### Point of Sale (POS)

Ideal for grocery and retail stores, the optional POS solution allows the NVR to receive a POS transaction via corresponding video. This feature allows merchants to analyze specific transactions via the Fuzzy search algorithm.

### Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

## Technical Specification

### System

Main Processor Quad-core embedded processor

Operating System Embedded LINUX

### Audio and Video

IP Camera Input 8/16/32 Channel

Two-way Talk 1 Channel Input, 1 Channel Output, RCA

### Display

Interface 1 HDMI, 1 VGA

Resolution HDMI: 3840 × 2160 , 1920 × 1080 , 1280 × 1024 , 1280 × 720 , 1024 × 768

VGA: 1920 × 1080 , 1280 × 1024 , 1280 × 720 , 1024 × 768

Decoding Capability 4-ch@8MP(30fps), 16-ch@1080P(30fps)

8CH: 1/4/8/9

Multi-screen Display 16CH: 1/4/8/9/16  
32CH: 1/4/8/9/16/25/36

OSD Camera title, Time, Camera lock, Motion detection, Recording

### Recording

Compression Smart H.265+/H.265/Smart H.264+/H.264/MJPEG

Resolution 12MP with 15fps, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1, CIF with 30fps

Bit Rate 16Kbps ~ 20Mbps Per Channel

Record Mode Manual, Schedule (Regular, MD(Motion Detection), Alarm, IVS), Stop

Record Interval 1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

### Video Detection and Alarm

Trigger Events Recording, PTZ, Tour, Alarm Out, Video Push, Email, Snapshot, Buzzer and Screen Tips

Video Detection Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering

Alarm input 4 Channel

Relay Output 2 Channel

### Playback and Backup

8CH: 1/4/9

Sync Playback 16/32CH: 1/4/9/16

Search Mode Time /Date, Alarm, MD and Exact Search (accurate to second)

Play, Pause, Stop, Rewind, Fast play, Slow Play, Next

Playback Function File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom

Backup Mode USB Device/Network

### Third-party Support

## Network

Interface 1 RJ-45 Port (10/100/1000Mbps)

PoE N/A

Network Function HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), Easy4IP

Max. User Access 128 users

Smart Phone iPhone, iPad, Android

Interoperability ONVIF 2.4, SDK, CGI

## Storage

Internal HDD 2 SATA III Ports, Up to 10 TB capacity for each HDD

eSATA N/A

## Auxiliary Interface

USB 2 USB Ports (1 Rear USB 3.0 , 1 Front USB 2.0 )

RS232 1 Port, for PC Communication and Keyboard

RS485 1 Port, for PTZ Control

## Electrical

Power Supply Single, DC12V/4A

Power Consumption <9.5W (Without HDD)

Fan Smart fan, automatically adjust running speed

## Environmental

Operating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa

Storage Conditions -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

## Construction

Dimensions 1U, 375mm x 281.5mm x 56mm ; (14.8" x 11.1" x 2.2")

Net Weight 1.6kg (3.5 lb) (without HDD)

Gross Weight 3.2kg (7.1 lb) (without HDD)

## Certifications

CE EN55022, EN55024, EN50130-4, EN60950-1

FCC Part 15 Subpart B, ANSI C63.4-2014

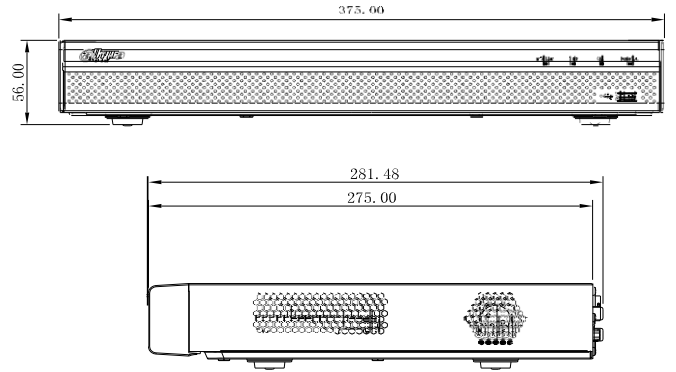
UL UL 60950-1

Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more
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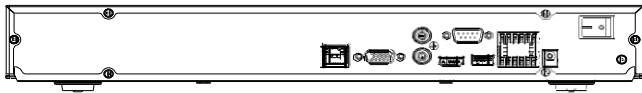
**Ordering Information**

Type	Part Number	Description
8 Channel NVR	DHI-NVR5208-4KS2	8 Channel 1U 4K&H.265 Pro Network Video Recorder (V2.00)
16 Channel NVR	DHI-NVR5216-4KS2	16 Channel 1U 4K&H.265 Pro Network Video Recorder (V2.00)
32 Channel NVR	DHI-NVR5232-4KS2	32 Channel 1U 4K&H.265 Pro Network Video Recorder (V2.00)
Accessories	N/A	N/A

**Dimensions (mm)**



**Rear Panel**



# Pro Series | DHI-NVR5208/16/32-

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