

# DHI-NVR5208/16-8P-4KS2E

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

- Smart H.265+/H.265/Smart H.264+/H.264
- Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output
- All PoE ports support ePoE & EoC



#### 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

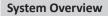
Fisheye dewarping solves the problem of distortion in the circular panoramic view. The NVR offers various dewarping modes for different installations and configurations that enhance the video, in both live or playback modes. Each dewarping mode offers options to adjust each scene.

#### 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.



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 for 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.

## ePoE & EoC

The NVR supports ePoE and EoC technology for use in a broad range of application scenarios. ePoE technology simplifies the network structure of long-range surveillance projects, eliminating the requirement for extra network repeater devices, making the system more reliable and easy to deploy. EoC technology makes it possible to upgrade existing systems to high definition IP surveillance while using existing coax cables.

# Pro Series | DHI-NVR5208/16-8P-4KS2E

#### **Technical Specification** System Main Processor Quad-core embedded processor **Operating System** Embedded LINUX Audio and Video IP Camera Input 8/16 Channel Two-way Talk 1 Channel Input, 1 Channel Output, RCA Display 1 HDMI, 1 VGA Interface HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 , 1024 × 768 Resolution 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 Camera title, Time, Camera lock, Motion detection, OSD Recording Recording Compression Smart H.265+/H.265/Smart H.264+/H.264 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, Resolution 720P, D1 etc. Bit Rate 16Kbps ~ 20Mbps Per Channel Manual, Schedule (Regular, MD(Motion Detection), Record Mode Alarm, IVS), Stop $1 \,{}^\sim \, 120\,$ min (default: 60 min), Pre-record: $1 \,{}^\sim \, 30\,$ Record Interval sec, Post-record: 10 ~ 300 sec Video Detection and Alarm Recording, PTZ, Tour, Alarm Out, Video Push, Email, **Trigger Events** Snapshot, Buzzer and Screen Tips Motion Detection, MD Zones: 396 (22 × 18), Video Video Detection Loss and Tampering Alarm input 4 Channel 2 Channel **Relay Output** Playback and Backup 8CH: 1/4/9 Sync Playback 16CH: 1/4/9/16 Time /Date, Alarm, MD and Exact Search (accurate Search Mode 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 Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Third-party Support Watchnet and more

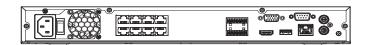
InterfaceIR-45 Port (10/100/1000Mbps)PoESaports (IEEE802.3af/at) (Iaports support ePoE & EoCNetwork FunctionUTTP, HTTPS, TCP/IP, IPV4/IPV6, UPP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PF Filter, PPPoE, DDNS, FFP, Alarm Server, IP Search (Support Dahua IP amera, DVR, NVS, etc.), P2PMax. User AccessI28 usersSmart PhoneIPhone, iPad, AndroidInteroperabilityONVIF 2.4, SDK, CGIStorageVAustrongerabilitySATA III Ports, Up to 10 TB capacity for each HDDeSATAN/AAuxiliary InterfaceVINF 2.4, SDK, CGIUSB2 USB Ports (I Rear USB 3.0, 1 Front USB 2.0)R52321 Port, for PC communication and KeyboardR54551 Port, for PC communication and KeyboardBectricalVINR <15.2V(Without HDD)Power ConsumptionSingle, AC100Y ~ 240V, 50 ~ 60 HzFanSingle, AC100Y ~ 240V, 50 ~ 60 HzFanSingle, AC100Y ~ 240V, 50 ~ 60 HzFarSingle, AC100Y ~ 240V, 50 ~ 60 HzFar <td< th=""><th>Network</th><th></th></td<>	Network		
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And the order of the second	Smart Phone	iPhone, iPad, Android	
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Power SupplySingle, AC100V~240V, 50~60 HzPower ConsumptionNVR: <15.2W (Without HDD)	RS485	1 Port, for PTZ control	
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FanSmart fan, automatically adjust running speedEnvironmentalOperating Conditions-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpaStorage Conditions-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RHConstructionU, 375mm x 326.5mm x 53mm ; (14.8" x 12.9" x 2.1")Dimensions1U, 375mm x 326.5mm x 53mm ; (14.8" x 12.9" x 2.1")Net Weight2.7kg (6.0 lb) (without HDD)Gross Weight4kg (8.8 lb) (without HDD)CertificationsEN55032, EN55024, EN50130-4, EN60950-1	Power Consumption	PoE: Max 25.5W for single port	
Operating Conditions-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpaStorage Conditions-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RHConstructionU, 375mm x 326.5mm x 53mm ; (14.8" x 12.9" x 2.1")Dimensions1U, 375mm x 326.5mm x 53mm ; (14.8" x 12.9" x 2.1")Net Weight2.7kg (6.0 lb) (without HDD)Gross Weight4kg (8.8 lb) (without HDD)CertificationsEN55032, EN55024, EN50130-4, EN60950-1	Fan		
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Construction         Dimensions       1U, 375mm x 326.5mm x 53mm ; (14.8" x 12.9" x 2.1")         Net Weight       2.7kg (6.0 lb) (without HDD)         Gross Weight       4kg (8.8 lb) (without HDD)         Certifications       EN55032, EN55024, EN50130-4, EN60950-1	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa	
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Dimensions     (14.8" x 12.9" x 2.1")       Net Weight     2.7kg (6.0 lb) (without HDD)       Gross Weight     4kg (8.8 lb) (without HDD)       Certifications     EN55032, EN55024, EN50130-4, EN60950-1	Construction		
Gross Weight     4kg (8.8 lb) (without HDD)       Certifications     EN55032, EN55024, EN50130-4, EN60950-1	Dimensions		
Certifications         EN55032, EN55024, EN50130-4, EN60950-1	Net Weight	2.7kg (6.0 lb) (without HDD)	
CE EN55032, EN55024, EN50130-4, EN60950-1	Gross Weight	4kg (8.8 lb) (without HDD)	
	Certifications		
FCC Part 15 Subpart B, ANSI C63.4-2014	CE	EN55032, EN55024, EN50130-4, EN60950-1	
	FCC	Part 15 Subpart B, ANSI C63.4-2014	
UL 00950-1	UL	UL 60950-1	

# Pro Series | DHI-NVR5208/16-8P-4KS2E

# Ordering Information

Туре	Part Number	Description
8 Channel NVR	DHI-NVR5208-8P-4KS2E	8 Channel 1U 8PoE 4K&H.265 Pro Network Video Recorder
16 Channel NVR	DHI-NVR5216-8P-4KS2E	16 Channel 1U 8PoE 4K&H.265 Pro Network Video Recorder
Accessories	N/A	N/A

## **Rear Panel**



Dimensions (mm)



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