

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 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.

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	on	Network	
System		Interface	1 RJ-45 Port (10/100/1000Mbps)
Main Processor	Quad-core embedded processor	PoE	N/A
Operating System Audio and Video	Embedded LINUX	Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMI UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE FTP, Alarm Server, IP Search (Support Dahua
	0/45/22 61		camera, DVR, NVS, etc.), Easy4IP
IP Camera Input	8/16/32 Channel	Max. User Access	128 users
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	Smart Phone	iPhone, iPad, Android
Display		Interoperability	ONIVIE 3 4 SDV CCI
Interface	1 HDMI, 1 VGA		ONVIF 2.4, SDK, CGI
Resolution	HDMI: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768 VGA: 1920 × 1080 , 1280 × 1024,	Storage Internal HDD	2 SATA III Ports, Up to 10 TB capacity for eac
	1280 × 720 , 1024 × 768		
Decoding Capability	4-ch@8MP(30fps), 16-ch@1080P(30fps)	eSATA	N/A
Multi-screen Display	8CH: 1/4/8/9 16CH: 1/4/8/9/16	Auxiliary Interface	
	32CH: 1/4/8/9/16/25/36	USB	2 USB Ports (1 Rear USB 3.0 , 1 Front USB 2.0
OSD	Camera title, Time, Camera lock, Motion detection, Recording	RS232	1 Port, for PC Communication and Keyboard
Recording		RS485	1 Port, for PTZ Control
Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	Electrical	
Resolution	12MP with 15fps, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1, CIF with 30fps	Power Supply	Single, DC12V/4A
Bit Rate	16Kbps ~ 20Mbps Per Channel	Power Consumption	<9.5W (Without HDD)
Record Mode	$\label{eq:Manual} \mbox{Manual, Schedule (Regular, MD(Motion Detection) ,} \\ \mbox{Alarm, IVS), Stop}$	Fan	Smart fan, automatically adjust running spe
Record Interval	$1 \sim 120$ min (default: 60 min), Pre-record: $1 \sim 30$ sec, Post-record: $10 \sim 300$ sec	Environmental	
Video Detection and Alarm		Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, Snapshot, Buzzer and Screen Tips	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video	Construction	
Video Detection	Loss and Tampering 4 Channel	Dimensions	1U, 375mm x 281.5mm x 56mm; (14.8" x 11.1" x 2.2")
Alarm input		Net Weight	1.6kg (3.5 lb) (without HDD)
Relay Output 2 Channel Playback and Backup		Gross Weight	3.2kg (7.1 lb) (without HDD)
8CH: 1/4/9		Certifications	
Sync Playback	16/32CH: 1/4/9/16	CE	EN55022, EN55024, EN50130-4, EN60950-1
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	FCC	Part 15 Subpart B, ANSI C63.4-2014
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom	UL	UL 60950-1
Backup Mode	USB Device/Network		
Third-party Support			
Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more		

Pro Series | DHI-NVR5208/16/32-4KS2

Ordering Information			
Туре	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	

Rear Panel



Dimensions (mm)





