

DHI-NVR5208/16/32-4KS2

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



- 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
- 3D intelligent positioning with Dahua PTZ camera



System Overview

Dahua's NVR5000-4KS2 network video recorder offers a excellent performance and high recording quality for IP video surveillance applications. For applications where details are critical for identification, this professional NVR provides a powerful processor with up to 4K resolution. Additionally, the NVR features a mouse shortcut operation menu, remote management and control, centre storage, edge storage, and back up storage.

Designed as a cost-effective, easy installation, 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 with or without a video management system (VMS). Its open architecture supports multi-user access and is compatible with ONVIF 2.4, enabling interoperability when combined with 4K cameras.

Functions

Fisheye Dewarping

The NVR features multiple fisheye dewarping modes to make viewing video easy whether its live or during playback.

4K Resolution

The NVR supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback.

Easy4ip

You can monitor at anytime and anywhere with Easy4ip. There are 2 modes Easy4ip web client and mobile app. With this function, you can manage your devices more conviently.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the NVR has the ability to detect and analyze moving objects for improved video surveillance. The NVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, People Counting, ideal for business intelligence, and Face Detection, for searching or identification of individuals.

Heat Map

The NVR's Heat Map option highlights the areas with the highest concentration of people. This information can then be exported into a customized report to assist in business or forensic analysis.

ANPR

Automatic Number Plate Recognition available for convenient entrance/ exit management. Support plate recognition, 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.

ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to NVR and then recorded in it.



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

Technical Specification

recifical 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 (up to 3840 x 2160), 1 VGA	
Resolution	3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768	
Multi-screen Display	8CH: 1/4/8/9 16CH: 1/4/8/9/16 32CH: 1/4/8/9/16/25/36	
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	
Recording		
Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.	
Record Rate	320Mbps	
Bit Rate	16Kbps ~ 20Mbps Per Channel	
Record Mode	Manual, Schedule (Regular, MD(Motion Detection) , Alarm, IVS), Stop	
Record Interval	$1 {}^\sim$ 120 $$ min (default: 60 min), Pre-record: 1 ${}^\sim$ 30 sec, Post-record: 10 ${}^\sim$ 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, Low Level Effective, Green Terminal Interface	
Relay Output	2 Channel, NO/NC Programmable, Green Terminal Interface	
Playback and Backup		
Sync Playback	8CH: 1/4/9 16/32CH: 1/4/9/16	
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom	
Backup Mode	USB Device/Network	
Third-party Support		
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more	

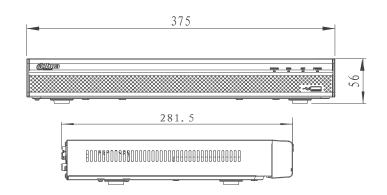
Network		
Interface	1 RJ-45 Ports (10/100/1000Mbps)	
Ethernet Port	1 Independent 1000Mbps Ethernet Port	
PoE	N/A	
Network Function	HTTP, HTTPs, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.)	
Optical Fiber Interface	N/A	
Max. User Access	128 users	
Smart Phone	iPhone, iPad, Android	
Interoperability	ONVIF 2.4, CGI Conformant	
Storage		
Internal HDD	2 SATA III Ports, Up to 8 TB capacity for each HDD	
HDD Mode	Single	
eSATA	N/A	
SAS	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)	
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)	
Certifications		
CE	EN55022, EN55024, EN50130-4, EN60950-1	
FCC	Part 15 Subpart B, ANSI C63.4-2014	
UL	UL 60950-1 and CAN/CSA C22.2 No.60950-1	

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
16 Channel NVR	DHI-NVR5216-4KS2	16 Channel 1U 4K&H.265 Pro Network Video Recorder
32 Channel NVR	DHI-NVR5232-4KS2	32 Channel 1U 4K&H.265 Pro Network Video Recorder
Accessories	N/A	N/A

Dimensions (mm)





Rev 001.001 © 2016 Dahua . All rights reserved. Design and specifications are subject to change without notice