

DHI-NVR4208-8P-I

8Channel 1U 2HDDs 8PoE WizSense Network Video Recorder



Launched by Dahua Technology, WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

Series Overview

Dahua new NVR4000-I network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. This NVR adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Besides, the NVR supports input, recording and transmission functions. 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.

With build-in deep learning module, NVR4000-I series products adopt video image structuring technology based on deep learning algorithms, achieving high-precision human face recognition and perimeter protection. By applying deep learning artificial intelligence, NVR4000-I allows users to focus on what matters most, improves event response time and helps make video actionable.

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).

Functions

Perimeter Protection

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

Face Recognition

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

- 8 Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 4 Channel perimeter protection
- Up to 2 Channel video stream face recognition/8 channel picture stream face recognition (with FD camera)
- Up to 12 face pictures/sec processing
- Up to 10 face databases with 20,000 face images in total
- 1-8 PoE Ports support ePoE & EoC



SMD Plus

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.

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.

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.

Wiz Sense | DHI-NVR4208-8P-I

Technical Specification System Main Processor Multi-core embedded processor Embedded LINUX **Operating System** Perimeter Protection Performance 4 channel, 10 IVS rules for each channel Human/Vehicle secondary recognition for tripwire and Object classification intrusion AI Search Search by target classification (Human, Vehicle) Face Recognition Max 12 face pictures/sec processing Performance 2 channel video stream face recognition/8 channel picture stream face recognition (with FD camera) Detect strangers' faces (not in device's face database). Stranger Mode Similarity threshold can be set manually. Up to 8 target face images search at same time, similarity AI Search threshold can be set for each target face image. Up to 10 face databases with 20,000 face images in total. Name, gender, birthday, address, certificate type, Database Management certificate No., countries®ions and state can be added to each face picture. Each database can be applied to video channels Database Application independently. Buzzer, Voice Prompts, Email, Snapshot, Recording, Trigger Events Alarm Out, PTZ Activation, etc. Audio and Video IP Camera Input 8 Channel Two-way Talk 1 Channel Input, 1 Channel Output, RCA Display Interface 1 HDMI, 1 VGA HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × Resolution 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Decoding Capability 2-ch@8MP (30fps), 8-ch@1080P (30fps) Multi-screen Display 1/4/8/9 Recording 200 Mbps (80 Mbps when AI function enabled, based on Bandwidth Dahua private protocol) Compression Smart H.265+/H.265/Smart H.264+/H.264/MJPEG 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, Resolution D1 etc. Manual, Schedule (Continuous, MD (Motion Detection), Record Mode Alarm, IVS) 1-120 min (default: 60 min), Pre-record: 1-30 sec, Post-Record Interval record: 10-300 sec Video Detection and Alarm Alarm Out, Video Push, Email, Recording, PTZ, Tour, Trigger Events Snapshot, Voice Prompt, Buzzer and Screen Tips Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Video Detection Tampering and Scene Change Alarm Input 4 Channel

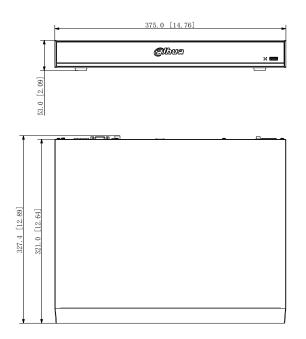
Alarm Output	2 Channel			
Playback and Backup				
Sync Playback	1/4/9			
Search Mode	Time/Date, Alarm, MD and Exact Search (accurate to second)			
Backup Mode	USB Device/Network			
Third-party Support				
Third-party Support	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvif, Canon and more			
Network				
Interface	1 RJ-45 Port (10/100/1000 Mbps)			
PoE	8 ports (IEEE802.3af/at) 1-8 ports support ePoE & EoC			
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Center, IP Search (Support Dahua IP camera, DVR, NVS, etc.), P2P			
Max. User Access	128 users			
Mobile App	iPhone, iPad, Android			
Interoperability	ONVIF (Profile S), SDK, CGI			
Storage				
Internal HDD	2 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature			
eSATA	NA			
Auxiliary Interface				
USB	2 USB Ports (1 Rear USB 2.0, 1 Front USB 2.0)			
RS232	NA			
RS485	NA			
Electrical				
Power Supply	Single, AC100-240V, 3.5A			
Power Consumption	NVR: <6.0W (Without HDD)			
	PoE: Max 25.5W for single port 130W total rated power			
Environmental				
Operating Conditions	–10°C to +55°C (+14°F to +131°F), 86–106kpa			
Storage Conditions	0°C to +40°C (+32°F to +104°F), 30–85% RH			
Construction				
Dimensions	1U, 375.0 mm × 327.4 mm × 53.0 mm (14.76" × 12.89" × 2.09")			
Net Weight	2.57 kg (5.7 lb) (without HDD)			
Gross Weight	3.72 kg (8.2 lb) (without HDD)			
Certifications				
CE	EN55035, EN55032, EN55024, EN50130-4, EN60950-1			
FCC	Part 15 Subpart B, ANSI C63.4-2014			

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Ordering I	Information
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Туре	Model	Description
8 Channel WizSense NVR	DHI-NVR4208-8P-I	8 Channel 1U 8PoE WizSense Network Video Recorder

Dimensions (mm[inch])



Panels

