



DHI-NVR4432-I

32Channel 1.5U 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.

System 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.

Real Time Face Recognition

Video stream & picture stream real time face recognition. Facial attributes analysis features including gender, age, expression, glasses, moustache, mouth mask. Identify people and also capture, record faces with metadata. Facial feature filtering while real time display, only show faces with target features.

- · 32 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



Face Database Management

Configurable multiple face databases. Powerful face database management. Face database can be applied to video channels independently. Name, gender, birthday, address, certificate type, certificate No., countries®ions and state can be added to each face picture.

Common/Stranger Mode

NVR4000-I supports common and stranger mode. In stranger mode, when NVR detects a strange face (not in device's face database), it can trigger alarm, buzzer, snapshot, record, etc. Similarity threshold can be set manually. This function is developed for important infrastructure sites for which access control is critical.

Al Search

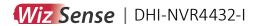
Support seach by metadata of human and vehicles. Support uploading face pictures to NVR and compare them with recorded faces in NVR by similarity. Enable operators to quickly and easily search through multi channels and long duration, efficiently find out when and where a person of interest appeard.

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.

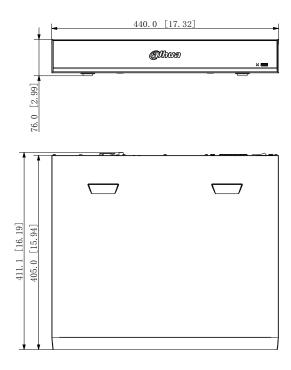


Technical Specification		Alarm Output	4 Channel
System		Playback and Backup	
Main Processor	Multi-core embedded processor	Sync Playback	1/4/9/16
Operating System	Embedded LINUX	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Perimeter Protection		Backup Mode	USB Device/Network
Performance	4 channel, 10 IVS rules for each channel	Third-party Suppor	t
Object classification	Human/Vehicle secondary recognition for tripwire and intrusion	Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, Xunmei, Samsung, Sanyo, Sony,
Al Search	Search by target classification (Human, Vehicle)	NI a to consulta	Watchnet and more
Face Recognition		Network	
2 (Max 12 face pictures/sec processing	Interface	2 RJ-45 Port (10/100/1000 Mbps)
Performance	2 channel video stream face recognition/8 channel picture stream face recognition (with FD camera)	PoE	N/A HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP
Stranger Mode	Detect strangers' faces (not in device's face database). Similarity threshold can be set manually.	Network Function	SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarr Center, IP Search (Support Dahua IP camera, DVR, NVS, etc.), P2P
Al Search	Up to 8 target face images search at same time, similarity threshold can be set for each target face image.	Max. User Access	128 users
Database Management	Up to 10 face databases with 20,000 face images in total. Name, gender, birthday, address, certificate type, certificate No., countries®ions and state can be added to each face picture.	Mobile App	iPhone, iPad, Android
		Interoperability	ONVIF (Profile S), SDK, CGI
Database Application	Each database can be applied to video channels independently.	Storage	
Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.	Internal HDD	4 SATA III Ports, Up to 8 TB capacity for each HDD
Audio and Video	,	eSATA	NA
IP Camera Input	32 Channel	Auxiliary Interface	
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	USB	2 USB Ports (1 Rear USB 3.0 , 1 Front USB 2.0)
Display		RS232	1 Port, for PC Communication and Keyboard
Interface	1 HDMI, 1 VGA	RS485	1 Port, for PTZ Control
Resolution	HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 ×	Electrical	
	720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	Power Supply	Single, AC100-240V, 1.9A
Decoding Capability	2-ch@8MP (30fps), 8-ch@1080P (30fps)	Power Consumption	NVR: <7.0W (Without HDD)
Multi-screen Display	1/4/8/9/16	Environmental	
Recording		Operating Conditions	-10°C to +55°C (+14°F to +131°F), 86–106kpa
Bandwidth	200 Mbps (80 Mbps when Al function enabled, based on	Storage Conditions	0°C to +40°C (+32°F to +104°F), 30–85% RH
Compression	Dahua private protocol) Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	Construction	
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P,	Dimensions	1.5U, 440.0 mm × 411.1 mm × 76.0 mm (17.32" × 16.19" × 2.99")
Record Mode	D1 etc. Manual, Schedule (Continuous, MD (Motion Detection),	Net Weight	4.3 kg (9.5 lb) (without HDD)
Record Interval	Alarm, IVS) 1–120 min (default: 60 min), Pre-record: 1–30 sec, Post-	Gross Weight	6.3 kg (13.9 lb) (without HDD)
	record: 10–300 sec	Certifications	
Video Detection and Alarm		CE	EN55035, EN55032, EN55024, EN50130-4, EN60950-1
Trigger Events	Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt, Buzzer and Screen Tips	FCC	Part 15 Subpart B, ANSI C63.4-2014
Video Detection	Motion Detection, MD Zones: 396 (22 \times 18), Video Loss, Tampering and Scene Change		
Alarm Input	16 Channel		



Ordering Information			
Туре	Model	Description	
32 Channel WizSense NVR	DHI-NVR4432-I	32 Channel 1.5U WizSense Network Video Recorder	

Dimensions (mm[inch])



Panels

