

DHI-NVR5832/64-I

32/64Channel 2U AI Network Video Recorder



DeepSense series products adopt the most advanced AI technologies, including deep learning algorithms that primarily target people and vehicles, which provides higher flexibility and accuracy for end-users. This enables the Dahua DeepSense series to offer various advanced applications such as Face Recognition, ANPR, Metadata, People Counting, traffic data statistics, etc.

The complete lineup of Dahua DeepSense includes network (PTZ) cameras, network video recorders, servers, and platform management products. Beyond seeing the world, the power of AI allows devices to perceive the environment and understand the world in a better way.

System Overview

Dahua new NVR5000-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. 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, NVR5000-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, NVR5000-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.

- 32/64 Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 16 Channel perimeter protection
- Up to 4 Channel video stream face recognition
- Up to 24 face pictures /sec processing
- Up to 20 face databases with 100,000 face images in total



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.

Face Database Management

Configurable multiple face databases. Powerful face database management. Face database can be applied to video channels independently. Name, gender, birthday, nationality, address, ID information can be added to each face picture.

Common/Stranger Mode

NVR5000-I supports regular 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.

AI 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.

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.



DeepSense Series | DHI-NVR5832/64-I

Technical Specification

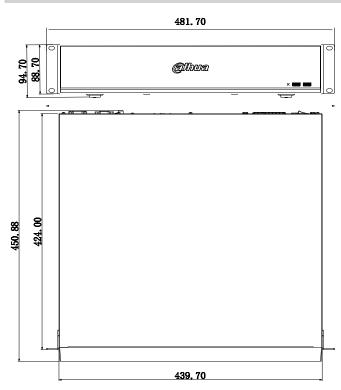
Quad-core embedded processor				
Embedded LINUX				
Perimeter Protection				
16 channel, 10 IVS rules for each channel				
Human/Vehicle secondary recognition for tripwire and intrusion				
Search by target classification (Human, Vehicle)				
Face Recognition				
Max 24 face pictures /sec processing (modeling and comparing)				
4 channel video stream face recognition / 16 channel picture stream face recognition (with FD camera)				
Detect strangers' faces(not in device's face database). Similarity threshold can be set manually.				
Up to 8 target face images search at same time, similarity threshold can be set for each target face image.				
Up to 20 face databases with 100,000 face images in total. Name, gender, birthday, nationality, address, ID information can be added to each face picture.				
Each database can be applied to video channels independently.				
Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.				
Gender, age, glasses, beard, mask.				
Vehicle color, vehicle model, vehicle logo, plate color, vehicle decorations, call, seatbelt.				
Top, top color, pants, pants color, hat, bag, gender, age.				
Type, color, people number.				
Support search target video by metadata.				
32/64 Channel				
1 Channel Input, 1 Channel Output, RCA				
2 HDMI, 1 VGA				
HDMI1/VGA: 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768				
HDMI2: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768				
4-ch@8MP(30fps), 16-ch@1080P(30fps)				
1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16				
320Mbps (160Mbps when AI function enabled)				
Smart H.265+/H.265/Smart H.264+/H.264/MJPEG				
16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.				
Manual, Schedule (Continuous, MD(Motion Detection) , Alarm, IVS)				
$1 {}^{\sim} 120$ min (default: 60 min), Pre-record: $1 {}^{\sim} 30$ sec, Postrecord: $10 {}^{\sim} 300$ sec				

Video Detection and Alarm				
Trigger Events	Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt, Buzzer and Screen Tips			
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Scene Change			
Alarm input	16 Channel			
Relay Output	6 Channel			
Playback and Backup				
Sync Playback	1/4/9/16			
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)			
Backup Mode	USB Device/Network/eSATA Device			
Third-party Support				
Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more			
Network				
Interface	2 RJ-45 Ports (10/100/1000Mbps)			
PoE	N/A			
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), P2P			
Max. User Access	128 users			
Smart Phone	iPhone, iPad, Android			
Interoperability	ONVIF 2.4, SDK, CGI			
Storage				
Internal HDD	8 SATA III Ports, Up to 8 TB capacity for each HDD			
eSATA	1 eSATA			
Auxiliary Interface				
USB	4 USB Ports (2 Rear USB 3.0 , 2 Front USB 2.0)			
RS232	1 Port, for PC Communication and Keyboard			
RS485	1 Port, for PTZ Control			

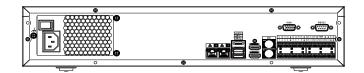
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Electrical	
Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	NVR: <16.1W (Without HDD)
Fan	Smart fan, automatically adjust running speed
Environmental	
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Construction	
Dimensions	2U, 440mm x 450.13mm x 95mm ; (17.3" x 17.7" x 3.7")
Net Weight	6.70kg (14.8 lb) (without HDD)
Gross Weight	9.30kg (20.5 lb) (without HDD)
Certifications	
CE	EN55032, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL 60950-1

Dimensions (mm)



Rear Panel



Ordering Information				
Туре	Part Number	Description		
32/64 Channel AI NVR	DHI-NVR5832/64-I	32/64 Channel 2U Al Network Video Recorder		

