



DHI-NVR5432-EI

Dahua 32CH 4HDD 1.5U 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

The NVR5000-EI series offers outstanding performance and high-grade recording technology that make it ideal for IP video surveillance applications. It has a powerful processor, that offers high access and forwarding bandwidth and strong decoding capabilities that together produce unimpeded streams. Thanks to its built-in AI chip and Dahua's advanced deep learning algorithms, the NVR supports a variety of Al functions, such as high-precision face recognition and perimeter protection. They shorten the response time to events and make videos more interactive. This NVR is compatible with numerous third-party devices, making it a great solution for surveillance systems that work with Video Management Software (VMS).

Functions

AcuPick

This industry-leading search technology effectively utilizes both frontend and back-end intelligence to help with searching through massive video data to quickly and conveniently locate targets with greater precision.

Perimeter Protection

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

- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- Max. decoding capability: 32 × 1080p@30 fps or 32 × 2MP@30 fps.
- Max. 384/384/384 Mbps incoming/recording/outgoing bandwidth.
- Supports IP cameras with a resolution up to 32 MP.
- · Supports AcuPick with up to 32 channels.
- · Supports N+M cluster,iSCSI.
- · Al by Recorder supports 2-channel face detection and recognition, up to 20 face databases and 20,000 face images; 4-channel perimeter protection; 8-channel SMD Plus.
- · Al by Camera supports face detection and recognition, perimeter protection, SMD Plus, metadata, ANPR, stereo analysis, heat map, and people counting.
- Supports EPTZ, and one-click arming and disarming.























Face Detection

Face detection is to detect if there is any human face appearing in the video. This technology adopts a deep learning algorithm to support face detection, tracking, optimization and capturing, and then output the best face snapshot.

Face Recognition

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

Heat Map by Camera

Dahua heat map technology is used to display the crowd density and people appearance probability. Export and display the crowd status by different colors. Generally, the crowd status is the statistics of people quantity in space and time dimensions.

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 blocklist/allowlist mode, searching target vehicles from recorded video.

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.

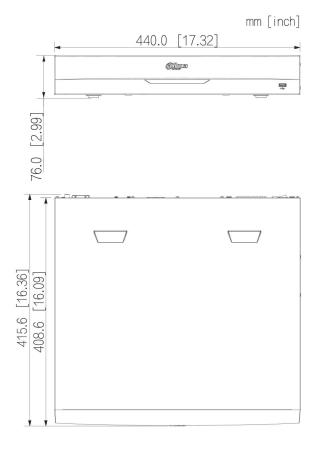
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All by Recorder Saby Recorder (Number of Channels) S	Operating Interface	Web, Local GUI		License plate, plate color, vehicle body, vehicle model,	
All by Camera Face detection; face recognition; video metadata hymmen, motor whellow, and non-month whellow, hymmen, motor whellow, and non-month whellow, heart map. All by Camera All channels, 1 somblend event per channels All channels (8 targets/s) All	Al		Motor Vehicle Attributes		
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Recorder Max. 32 channel, 1 combined event per channel/s Addio and Video Access Channel Addio and Video				All channels (8 targets/s)	
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Recorder (Number of Channels) 2. 2-channe FD (by recorder) + FR (by recorder), video stream: 12 face images/s Third-party Camera Access Smart H.265; Smart H.264; MJPEG Network Network Network Network Network Network Network Protocol Registration; SCSI Mobile Phone Access Indicate Access Third-party Camera Access Third-party Camera Access Network Network	-		Multi-screen Display		
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Camera (Number of Channels Video Compression Smart H.265+; H.265; Smart H.264; MJPEG Audio Compression G.711a; G.711u; PCM; G726 SMD Plus Network SMD Plus by Recorder Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change Mobile Phone Access Mobile Phone Access iOS; Android Network Protocol Smart H.265+; H.265; Smart H.264; MJPEG Audio Compression G.711a; G.711u; PCM; G726 Network Protocol HTTP; HTTPS; TCP/IP; IPv4; UDP; NTP; DNS; SMTP; UPnP; DDNS; Alarm Server; IP Search (Supports Dahua IP camera, DVR, NVS, etc.); Multicast; P2P; Auto Registration; iSCSI iOS; Android	-		Compression Standar	Compression Standard	
SMD Plus 8 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change SMD Plus by Camera All channels (32 targets/s) Network Network Protocol Notwork Protocol		16 channels	Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	
SMD Plus by Recorder 8 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change Network Protocol Nobile Phone Access iOS; Android			Audio Compression	G.711a; G.711u; PCM; G726	
SMD Plus by Recorder vehicle , reducing false alarms caused by leaves, rain and lighting condition change Network Protocol Negistration; iSCSI Mobile Phone Access iOS; Android	SMD Plus		Network		
Mobile Phone Access iOS; Android	·	vehicle , reducing false alarms caused by leaves, rain and lighting condition change	Network Protocol	SMTP; UPnP; DDNS; Alarm Server; IP Search (Supports Dahua IP camera, DVR, NVS, etc.); Multicast; P2P; Auto	
Interoperability ONVIF 23.12(Profile T; Profile S; Profile G); CGI; SDK	SIVID Plus by Camera	All channels (32 targets/s)	Mobile Phone Access		
			Interoperability	ONVIF 23.12(Profile T; Profile S; Profile G); CGI; SDK	

Browser	Chrome; IE; Safari; Edge; Firefox			
Network Mode	Multi-address mode, load balance, fault tolerance and other network port binding modes			
Recording Playback				
Multi-channel Playback	Up to 16 channels			
Record Mode	General, motion detection; intelligent; alarm; POS			
Backup Method	USB device and network			
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)			
Storage				
Disk Group	YES			
Alarm				
General Alarm	Motion detection; local alarm; alarm box; camera external alarm; network alarm; scene changing; PIR alarm; thermal alarm			
Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; abnormal behavior of fan; cybersecurity exception			
Intelligent Alarm	Face detection; perimeter protection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map			
Alarm Linkage	Record; snapshot (panoramic); local alarm output; IPC external alarm output; access controller; audio; buzzer; log, preset; email			
Port				
Audio Input	1-channel RCA			
Audio Output	2-channel RCA			
Alarm Input	16 channels			
Alarm Output	6 channels (1-channel 12 V 1 A output)			
Disk Interface	4 SATA ports, each disk can contain up to 20 TB. This limit varies depending on the environment temperature.			
eSATA	1			
RS-232	1			
RS-485	1 (half-duplex serial communication)			
USB	3 (1 front USB 2.0 port, 2 rear USB 3.0 ports)			
HDMI	2			
VGA	2			
Network Port	2 (10/100/1000 Mbps Ethernet port, RJ-45)			
General				
Power Supply	100–240 VAC, 50-60 Hz			
Power Consumption	Total output of NVR is ≤ 13 W (without HDD)			
Net Weight	4.74 kg (10.45 lb)			
Gross Weight	6.11 kg (13.47 lb)			

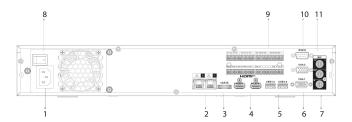
Product Dimensions	440.0 mm \times 415.1 mm \times 70.0 mm (17.32" \times 16.34" \times 2.76") (W \times D \times H)	
Packaging Dimensions	530.0 mm × 500.0 mm × 210.0 mm (20.87" × 19.69" × 8.27")(W × D × H)	
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)	
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)	
Operating Humidity	10%–93% (RH), non-condensing	
Installation	Rack or desktop	
Certifications	FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032:2015+A1:2020; EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A1:2019+A2:2021; EN 55035:2017+A11:2020; EN 50130-4:2011+A1:2014 CE-LVD: EN 62368-1:2014	

Ordering Information					
Туре	Model	Description			
NETWORK VIDEO RECORDER	DHI-NVR5432-EI	Dahua 32CH 4HDD 1.5U NETWORK VIDEO RECORDER			

Dimensions (mm[inch])



Panels



- 1 Power Input
- 3 eSATA Port
- 5 USB Ports
- 7 AUDIO IN, RCA Connector
- 9 Alarm In/Out
- 11 AUDIO OUT, RCA Connector
- 2 Network Ports
- 4 HDMI Ports
- 6 VGA Ports
- 8 Power Switch
- 10 RS-232 Port