

DHI-NVR4432-4KS3

32CH 1.5U 4HDDs Lite Network Video Recorder



Series Overview

The NVR4000-4KS3 model of the Lite Series NVR is favored for its outstanding performance. It supports 4K resolution for scenes that require highly detailed images, and can serve as the edge, central, or backup storage with an intuitive shortcut menu for remote management and control. This NVR also features Smart Motion Detection (SMD) by recorder, which can distinguish target vehicles and humans from ordinary ones in real-time. When an IPC is connected to the NVR, a variety of AI functions become available such as face detection, perimeter protection, and people counting. This NVR is both cost-effective and easy-to-install, making it ideal for a wide range of applications such as for cities, transportation, education and finance.

Functions

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.

Face Detection by Camera

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 by Camera

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

- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- Max. decoding capability: 8 x 1080p@30 fps or 2 x 8 MP@30 fps.
- Max. 160/128/60 Mbps incoming/recording/outgoing bandwidth.
- Supports IP cameras with a resolution up to 12 MP.
- · AI by Recorder supports 2-channel SMD Plus.
- Al by Camera supports face detection and recognition, perimeter protection, SMD Plus, ANPR, people counting, stereo analysis and heat map.
- · Supports EPTZ, and one-click arming and disarming

















Perimeter Protection by Camera

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.

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.

Stereo Analysis by Camera

With deep learning algorithm and 3-dimensional scene information, Dahua Stereo Analysis technology can recognize people's behaviors, such as fall detection, violence detection, stay detection, and space exception, and then generates alarm signals and triggers linkage.

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.

Technical Specification	on		
System Main Processor Operating System	Industrial-grade processor Embedded Linux		Video Output
Operating Interface Al	Web, Local GUI		Multi-screen Display
Al by Recorder	SMD Plus Face detection; face recognition; perimeter protection;		Third party Campra Accord
Al by Camera	SMD Plus; people counting; stereo analysis; heat map		Third-party Camera Access
Perimeter Protection			Compression Standa
Perimeter Performance of AI by Camera (Number of	6 channels		Video Compression Audio Compression
Channels)			Network
Face Detection			Network
Face Attributes	Gender; age group; glasses; expressions; face mask; beard		Network Protocol
Face Detection Performance of AI by	6 channels	Mobi	ile Phone Access
Camera (Number of Channels)	o diamics	Interoperabi	lity
Face Recognition		Browser	
ace Recognition erformance of AI by	Cahanada	Network Mode	
Camera (Number of Channels)	6 channels	Recording Play	back
SMD Plus		Multi-channel Playba	ick
יועוט ו ועט	4 channels: Secondary filtering for human and motor	Record Mode	
SMD Plus by Recorder	vehicle, reducing false alarms caused by leaves, rain and lighting condition change	Backup Method	
SMD Plus by Camera	6 channels	Playback Mode	
Vehicle License Plate	Comparison	Storage	
ANPR by Camera (Number	4 channels	Disk Group	
of Channels)	1. Create up to 1 license plate databases and 20,000	Alarm	
License Plate Database Capacity	plate numbers. 2. Blocklist and allowlist	General Alarm	
Audio and Video Access Channel	32 channels	Anomaly Alarm	
Access channel	Al disabled: 160 Mbps incoming, 128 Mbps recording	Intelligent Alarm	
Network Bandwidth	and 60 Mbps outgoing Al enabled: 80 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing	Alarm Linkage	
Resolution	12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p; 720p; D1; CIF; QCIF	Port	
Decoding Capability	Al disabled: 1-channel 12 MP@30 fps; 2-channel 8 MP@30 fps; 3-channel 5 MP@30 fps; 4-channel 4	Audio Input	
	MP@30 fps; 3-channel 5 MP@30 fps; 4-channel 4 MP@30 fps; 8-channel 1080p@30 fps Al enabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4 MP@30 fps; 7-channel 1080p@30 fps	Audio Output	
		Alarm Input	
	The God Ips, / Glamile Loople 30 Ips	Alarm Output	
		HDD Interface	

NVR4000-4KS3 Series | DHI-NVR4432-4KS3

RS-232	1
RS-485	1
USB	2 (1 front USB 2.0 port,1 rear USB 2.0 port)
HDMI	1
VGA	1
Network Port	2 (10/100/1000 Mbps Ethernet port, RJ-45)
General	

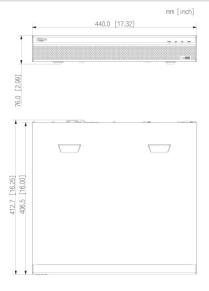
G	e	n	er	a

Power Supply	100–240 VAC, 50/60Hz	
Power Consumption	Total output of NVR is <10 W(without HDD)	
Net Weight	4.25 kg (10.63 lb)	
Gross Weight	6.35 kg (14.00 lb)	
Product Dimensions	440.0 mm x 412.7 mm x 76.0 mm (17.32" x 16.25" x 2.99") (W x D x H)	
Packaging Dimensions	530.0 mm x 500.0 mm x 210.0 mm (20.87" x 19.69" x 8.27") (W x D x 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	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

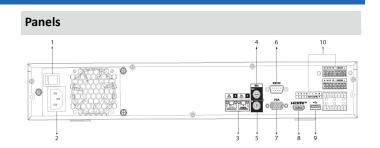
Туре	Model	Description
NETWORK VIDEO RECORDER	DHI-NVR4432-4KS3	32CH 1.5U 4HDDs Lite Network Video Recorder

Dimensions (mm[inch])



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4 MIC OUT, RCA Connector 3 Network Ports 6 RS-232 Port 5 MIC IN, RCA Connector 8 HDMI Port 10 Alarm In/Out 9 USB Port