

DHI-NVR4232-EI

32CH 1U 2HDDs WizSense Network Video Recorder



Series Overview

Dahua Lite series NVR is easy to install, cost effective and compatible with a wide variety of third-party devices, providing a great solution for small and medium surveillance systems. It is ideal for home safety, supermarkets, warehouses, educational institutions, and financial institutions.

Functions

Face Recognition

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

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.

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.

Al Search

With AI search, operators can search for videos by the attributes of targets and event types, which helps them to quickly and efficiently investigate where and when targets appeared and events took place.

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.

- · Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format
- Access, storage or forwarding at 256 Mbps (180 Mbps when Al function enabled)
- Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding
- Al by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel SMD Plus
- Al by Camera: Face detection and recognition, perimeter protection; SMD Plus; people counting; stereo analysis; heat map
- · Connected to the third-party network cameras
- · Security baseline 2.3



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.

Quick Pick

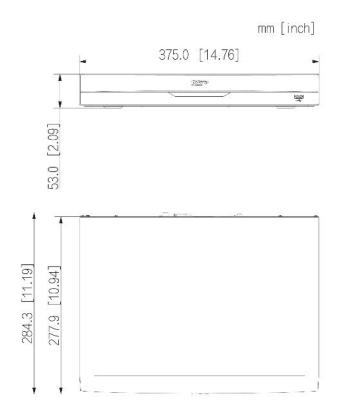
Dahua Quick Pick technology can enable users to quickly pick up the human/vehicle targets that they are interested in, which facilitates retrieval from SMD events.

Technical Specificatio	n	Resolution		
System		Nesolution		
Main Processor Operating System Operating Interface Al	Industrial-grade processor Embedded Linux Web, Local GUI Face detection, face recognition, perimeter protection, and SMD Plus;	Decoding Capability		
Al by Camera Perimeter Protection	Face detection; face recognition; perimeter protection; SMD Plus; ANPR; people counting; stereo analysis; heat map	Video Output		
Perimeter Performance Al by Recorder (Number of Channels)	2 channels, 10 IVS rules for each channel	Multi-screen Display		
Perimeter Performance of Al by Camera (Number of Channels)	All channels (8 targets/s)	Third-party Camera Acc		
Face Detection		Compression Star	nda	
ace Detection	Gender: age group: glassos: everossions: feed modi-	Video Compression		
Face Attributes	Gender; age group; glasses; expressions; face mask; beard	Audio Compression		
Face Detection		Network		
Performance of AI by Recorder (Number of Channels)	1 channel (up to 12 face images/s each channel)	Network Protocol		
Face Detection Performance of AI by Camera (Number of	All channels (8 targets/s)	Mobile Phone Access		
		Interoperability		
Channels)		Browser		
Face Recognition			ck	
	Up to 10 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No., countries & regions and	Recording Playba		
ace Database Capacity		Multi-channel Playback		
	state can be added to each face image.	Record Mode		
Face Recognition Performance of AI by	8-channel FD (by camera) + FR (by recorder),image stream: 12 face images/s	Backup Method	l	
Recorder (Number of Channels)	1-channel FD (by recorder) + FR (by recorder), video stream: 12 face images/s	Playback Mode	lr p	
Face Recognition		Storage		
Performance of AI by Camera (Number of	All channels (8 targets/s)	Disk Group	Yes	
Channels)		Alarm	Alarm	
SMD Plus	4 channels: Secondary filtering for human and motor	General Alarm	Motio chang	
SMD Plus by Recorder	vehicle, reducing false alarms caused by leaves, rain and lighting condition change	Anomaly Alarm	Camer conflic except	
SMD Plus by Camera	All channels (16 targets/s)	Intelligent Alema	Face de	
Audio and Video		Intelligent Alarm	SMD Plu	
Access Channel	32 channels Al disabled: 256 Mbps incoming, 256 Mbps recording	Alarm Linkage	Record; si buzzer; lo	
Network Bandwidth	and 256 Mbps outgoing Al enabled: 180 Mbps incoming, 180 Mbps recording and 180 Mbps outgoing	Port		
		Audio Input	1-channel	

Audio Output	1-channel RCA			
Alarm Input	4 channels			
Alarm Output	2 channels			
Disk Interface	2 SATA ports, up to 16 TB.The maximum HDD capacity varies with environment temperature.			
USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)			
HDMI	1			
VGA	1			
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)			
General				
Power Supply	12 VDC, 4 A			
Power Consumption	<10 W(without HDD)			
Net Weight	1.51 kg (3.33 lb)			
Gross Weight	2.76 kg (6.08 lb)			
Product Dimensions	375 mm × 284.3 mm × 53 mm (14.76" × 11.19" × 2.09") (W × L × H)			
Packaging Dimensions	433 mm × 141 mm × 366 mm (17.05" × 5.55" × 14.41") (W × L × 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-NVR4232-EI	32CH 1U 2HDDs WizSense Network Video Recorder			

Dimensions (mm[inch])



Panels

