

DHI-NVR4208-8P-EI

8CH 1U 8PoE 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 Specification		Reso	olution	16 MP; 12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p;	
System				960p; 720p; D1; CIF	
Main Processor	Industrial-grade processor			Al disabled: 2-channel 16 MP@30 fps; 2-channel 12 MP@30 fps; 4-channel 8 MP@30 fps; 4-channel 6 MP@30 fps; 6-channel 5 MP@30 fps; 8-channel 4 MP@30 fps Al enabled: 1-channel 16 MP@30 fps; 2-channel 12 MP@30 fps; 3-channel 8 MP@30 fps; 3-channel 6	
Operating System	Embedded Linux	Deco	oding Capability		
Operating Interface	Web, Local GUI		. ,		
Al				MP@30 fps; 4-channel 5 MP@30 fps; 6-channel 4 MP@30 fps; 8-channel 1080p@30 fps	
Al by Recorder	Face detection, face recognition, perimeter protection, and SMD Plus;			1 HDMI, 1 VGA HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 ×	
Al by Camera	Face detection; face recognition; perimeter protection; SMD Plus; ANPR; people counting; stereo analysis; heat map	Vide	eo Output	720 VGA: 1920×1080 , 1280×1024 , 1280×720 *Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.	
Perimeter Protection				1st Screen: 1/4/8/9	
Perimeter Performance Al	2 channels, 10 IVS rules for each channel	Mult	lti-screen Display	2nd Screen: 1/4/8/9	
by Recorder (Number of Channels)		Third	d-party Camera Access	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, ONVIF, Canon	
Perimeter Performance of Al by Camera (Number of	All channels (8 targets/s)	Cor	Compression Standard		
Channels)		Vide	eo Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	
Face Detection		Audi	lio Compression	G.711a; G.711u; PCM; G726	
Face Attributes	Gender; age group; glasses; expressions; face mask;	Net	twork		
Face Detection Performance of Al by Recorder (Number of	1 channel (up to 12 face images/s each channel)	Netv	work Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; IP Search (Support Dahua IP camera; DVR; NVS; etc.); P2P; auto register	
Channels)		Mob	bile Phone Access	iOS; Android	
Face Detection Performance of AI by	All channels (8 targets/s)	Inter	eroperability	ONVIF 22.06(Profile T; Profile S; Profile G); CGI; SDK	
Camera (Number of Channels)		Brow	wser	Chrome; IE9 and later; Firefox	
Face Recognition		Rec	Recording Playback		
race necognition	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 state can be added to each face image.	Mult	lti-channel Playback	Up to 8 channels	
Face Database Capacity			ord Mode	General, motion detection; intelligent; alarm	
		Back	kup Method	USB device and network	
Face Recognition Performance of Al by	8-channel FD (by camera) + FR (by recorder),image stream: 12 face images/s 1-channel FD (by recorder) + FR (by recorder), video stream: 12 face images/s	Playl	/back Mode	Instant playback, general playback, event playback, tag playback, smart playback	
Recorder (Number of Channels)		Sto	orage		
Face Recognition	All channels (8 targets/s)	Disk	k Group	Yes	
Performance of AI by Camera (Number of		Ala	arm		
Channels)		Gene	neral Alarm	Motion detection; privacy masking; video loss; scene changing; PIR alarm; IPC external alarm	
SMD Plus				Camera disconnection; storage error; disk full; IP	
SMD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change	Anor	omaly Alarm	conflict; MAC conflict; login locked; and cybersecurity exception	
SMD Plus by Camera	All channels (16 targets/s)	Intel	elligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map	
Audio and Video		Aları	rm Linkage	Record; snapshot; IPC external alarm output; audio;	
Access Channel	8 channels			buzzer; log; preset; email	
Network Bandwidth	Al disabled: 256 Mbps incoming, 256 Mbps recording and 256 Mbps outgoing Al enabled: 180 Mbps incoming, 180 Mbps recording and 180 Mbps outgoing	Por	rt lio Input	1-channel RCA	
			lio Output	1-channel RCA	
		Audi	no Output	1 CHAINEI NCA	

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)
PoE Port	8 ports, 10/100 Mbps, IEEE 802.3 af/at

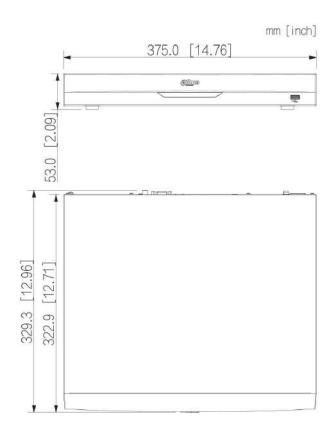
General

Power Supply	100–240 VAC, 47-63 Hz	
Power Consumption	Total output of NVR is <10 W(without HDD) Total output power of PoE is 130W,the maximum output power of asingle port is 25.5W $$	
Net Weight	2.51 kg (5.53 lb)	
Gross Weight	3.66 kg (4.52 lb)	
Product Dimensions	375 mm × 329.3 mm × 53.0 mm (14.76" × 12.96" × 2.09") (W × L × H)	
Packaging Dimensions	451.0 mm \times 147.0 mm \times 425.0 mm (17.76" \times 5.79" \times 16.73") (W \times L \times 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	

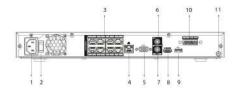
Ordering Information

Туре	Model	Description
NETWORK VIDEO RECORDER	DHI-NVR4208-8P-EI	8CH 1U 8PoE 2HDDs WizSense Network Video Recorder

Dimensions (mm[inch])



Panels



- Power Input
 PoE Ports
 VGA Port
 AUDIO IN, RCA Connector
 USB Port
 Ground
- Network Port AUDIO OUT, RCA Connector
- HDMI Port