



DHI-NVR4216-16P-EI

16CH 1U 16PoE 2HDDs WizSense Network Video Recorder





Launched by Dahua Technology, WizSense is a series of Al products and solutions that adopt independent Al 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

NVR4000-EI series is a new generation of network recorders that offers powerful decoding capabilities, and strong bandwidth. It features high-precision face recognition, perimeter protection, and SMD (Smart Motion Detection), which can distinguish target vehicles and humans from other types in real time. When connected with select IPC cameras, Quick Pick technology becomes available, allowing human and vehicle targets to be easily searched for and picked out. This network recorder is not only cost-effective, but also compatible with a wide variety of third-party devices, making it a great choice for small and medium-sized businesses.

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.

- · 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 x 1080p@30 fps. Supports adaptive decoding
- AI 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



















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.

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.

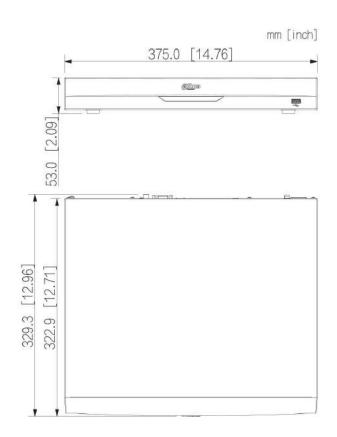
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Network Bandwidth and 256 Mbps outgoing	Access Channel	16 channels	
Al enabled: 180 Mbps incoming, 180 Mbps recording and 180 Mbps outgoing Audio Input	Network Bandwidth	and 256 Mbps outgoing Al enabled: 180 Mbps incoming, 180 Mbps recording	

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.	
RS-232	1	
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	16 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	2.60 kg (5.73 lb)	
Gross Weight	3.80 kg (8.38 lb)	
Product Dimensions	375.0 mm × 329.3 mm × 53.0 mm (14.76" × 12.96" × 2.09") (W × L × H)	
Packaging Dimensions	451.0 mm × 425.0 mm × 147.0 mm (17.75" × 16.73" × 5.79") (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	

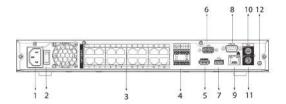
Ordering Information					
Туре	Model	Description			
NETWORK VIDEO RECORDER	DHI-NVR4216-16P-EI	16CH 1U 16PoE 2HDDs WizSense Network Video Recorder			

CE-LVD: EN 62368-1:2014

Dimensions (mm[inch])



Panels



- 1 PowerInput
- 3 PoE Ports
- 5 HDMI Port
- 7 USB Port
- 9 Network Port

11 AUDIO IN, RCA Connector

- 2 Power Switch
- 4 Alarm In/Out
- 6 VGA Port
- 8 RS-232 Port
- 10 AUDIO OUT, RCA Connector
- 12 Ground