

DHI-NVR608H-128-XI

128 Channels 2U 8HDDs WizMind Network Video Recorder



Wiz Mind

Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, IVSS,NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

Series Overview

As a new generation of network video recorders, NVR600-XI series offers high-grade recording technology and has AI capabilities that are ideal for IP video surveillance applications. This enterprise-level NVR has a powerful processor, built-in deep learning modules, and video metadata technology. It also comes with high-precision human face recognition, perimeter protection and 4K resolution, which together shorten the response time to events and provide critical information that allows surveillance personnel to take immediate action. This NVR is compatible with numerous third-party devices, making it a perfect solution for surveillance systems with or without a video management system.

Functions

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.

Face Recognition

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

- · 32-channel 1080p self-adaptive decoding capability.
- Max. 1024/1024/800Mbps incoming/recording/outgoing bandwidth.
- Supports N+M cluster.
- Support Raid0/1/5/6/10.
- · Drawer-like chassis design allows for HDD hot swapping.
- AI by recorder: 4-channel face detection and recognition; 8-channel metadata; 24-channel perimeter protection; 32-channel SMD Plus.
- Al by camera: Face detection and recognition, perimeter protection, SMD Plus, metadata, ANPR, and people counting.



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.

Video Metadata

With deep learning algorithm, Dahua Video Metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

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.

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Technical Specification

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<table-container>Main ReviewMainterparties processingValuationOperating terms of constructions of the composition withour metabolic fields of the constructions of the composition withour metabolic fields of the compositions without without metabolic fields of the compositions without without metabolic fields of the compositions without withou</table-container>	System			Vehicle model, vehicle color, number of persons, helmet.
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Face DetectionFace AttributesGender; age group; glasses; expressions; face mas; beardFace AttributesGender; age group; glasses; expressions; face mas; beardFace Detectiondender; age group; glasses; expressions; face mas; beardPerformance of Al by Recorder (Number of)denders age group; glasses; expressions; face mas; beardFace Detectiondenders: age group; glasses; expression; face mas; beardFace Detectiondenders: age group; glasse; expression; face mas; beardFace RecognitionUp to 40 face databases with 300.000 images; withFace RecognitionUp to 40 face databases with 300.000 images; withFace RecognitionDi to 40 face databases with 300.000 images; withFace RecognitionAutonession of Al by group; face age group;	Perimeter Performance of AI by Camera	64 channels	Decoding Capability	4-channel 16 MP@30 fps; 8-channel 8 MP@30 fps; 16-channel 4 MP@30 fps; 32-channel 1080p@30 fps;
Face ArtibutesGender; age group; glosses; corresions; face mask; beard Performance of A Lby Recorder (Number of Channels)A channels (up to 21 face images/second/channel)Video Outputmax: resolution of HOMI 1 and HOM2 (s 44" 	· · · · ·	2- Si		Simultaneous mode:
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Initial part of the second	Performance of AI by Camera (Number of	64 channels	Multi-screen Display	Main screen: 1/4/8/9/16/25/36/64
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Human Attributes Top color, top type, hat, bag, age, gender and umbrella Playback Mode play back stop, hat following, has backward, rewind, has backward, has backward	Metadata Performance of AI by Camera	32 channels	Backup Method	network
	. ,	Top color, top type, hat, bag, age, gender and umbrella	Playback Mode	play by frame 2. Full screen, backup (cut/file), partially enlarge, audio

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Storage

Storage						
Disk Group	Yes					
RAID	RAID 0/1/5/6/10					
Hot Swapping	Yes					
Alarm						
General Alarm	Motion detection; video tampering; video loss; scene changing, PIR alarm, IPC external alarm					
Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; abnormal behavior of fan					
Intelligent Alarm	Face detection; face recognition; perimeter protection (intrusion and tripwire); SMD Plus alarms; ANPR; people counting; stereo analysis; crowd distribution; heat map					
Alarm Linkage	Record; snapshot; IPC external alarm output; buzzer; log, preset; email					
Port						
Audio Input	1-channel RCA					
Audio Output	2-channel RCA					
Alarm Input	16 channels					
Alarm Output	8 channels					
HDD Interface	8 SATA ports, up to 16 TB. The maximum HDD capacity varies with environment temperature.					
eSATA	1					
RS-232	1					
RS-485	$1 \times A/B$					
USB	4 (2 front USB 2.0 ports, 2 rear USB 3.0 ports)					
HDMI	4					
VGA	2					
Network Port	2 (10/100/1000/2500 Mbps Ethernet port, RJ-45)					
General						
Power Supply	100–240 VAC, 50/60 Hz					
Power Consumption	<18 W (without HDD)					
Net Weight	6.4 kg (14.11 lb) (without HDD)					
Gross Weight	8.59 kg (18.94 lb) (without HDD)					
Product Dimensions	440.0 mm × 458.4 mm x 94.9 mm (17.32" × 18.05" × 3.57") (W × D × H)					
Packaging Dimensions	571.0 mm × 499.0 mm × 211.0 mm (22.48" × 19.65" × 8.31")(W × D × H)					
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)					
Operating Humidity	10%-93% (RH)					
Installation	Rack or desktop					
Certifications	FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032:2020, Class A; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; EN 55024:2010+A1:2015; EN 55035:2020; EN 50130-4:2011+A1:2014 CE-LVD: EN 62368-1:2014+A11:2017					

Ordering Information

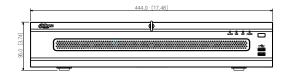
Туре	Model	Description
128 Channels WizMind NVR	DHI-NVR608H- 128-XI	128 Channels 2U 8HDDs WizMind Network Video Recorder
Accessories	ESS1504C	4 HDDs eSATA Storage

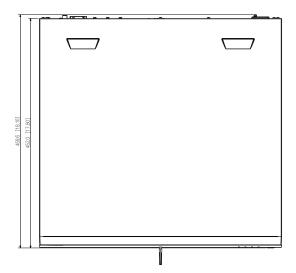
Accessories



ESS1504C 4 HDDs eSATA Storage

Dimensions (mm[inch])





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Panels

