

DHI-NVR2108HS-8P-I2

8 Channel Compact 1U 8PoE 1HDD WizSense Network Video Recorder



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

This AI network video recorder is a highly cost-effective product, providing functions such as local live view, multi-screen display, real-time storage on local HDD, fast operation by mouse, and remote management and control. This product is suitable for face detection and recognition at entrances and exits, and perimeter protection of people and vehicles.

Functions

Face Detection

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

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

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format
- Max. decoding capability: 6 × 1080p@30 fps. Supports adaptive decoding
- 1-channel face detection and recognition (AI by NVR); 1-channel perimeter protection (AI by NVR); up to 10 face databases and 5,000 face images; 4-channel SMD Plus (AI by NVR);
- Al by camera: Face detection and recognition, perimeter protection, and SMD Plus
- Connected to the third-party network cameras
- Security baseline 2.1



Perimeter Protection

Automatically filtering out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to perform secondary recognition for the targets. Improving 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.

AI Search

Support AI seach by metadata of different targets or uploading face pictures to device and comparing them with recorded faces by similarity. Enable operators to quickly and easily search through multi channels and long duration, efficiently find out when and where a person of interest appeard.

Smart Fan

The NVR is equipped with a smart fan to achieve high cooling efficiency. It automatically turns on or turns off according to CPU and ambient temperature. The fan is long-lasting and low noise, reducing maintenance costs and improving the user experience.



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Wiz Sense | DHI-NVR2108HS-8P-I2

Technical Specification System Main Processor Industrial-grade embedded processor **Operating System** Embedded Linux Web; local GUI **Operation Interface** ΑI Face detection; face recognition; perimeter protection; Al by Camera SMD Plus Face detection; face recognition; perimeter protection; Al by Device SMD Plus **Perimeter Protection** Perimeter Performance AI by Device(Number of 1 Channels) Perimeter Performance of AI by Camera (Number of 4 Channels) Face Detection 6 attibutes: Gender; age group (6); glasses; expressions Face Attributes (8); mouth mask; beard Face Detection Performance of AI by 1 (up to 12 face images/second) Device (1080P) (Number of Channels) Face Detection Performance of AI by 5 Camera (Number of Channels) Face Recognition Face Database Capacity Up to 10 face databases with 5,000 images Face Recognition Performance of AI by 1 (up to 4 face images/second) Device (1080P) (Number of Channels) Face Recognition Performance of AI by 5 Camera (Number of Channels) SMD Plus SMD Plus by Device 4 6-channel SMD Plus (AI by camera): Detects tripwire and SMD Plus by Camera intrustion of human or vehicle; filters false alarms caused by leaves, raindrops and change of brightness away Video Access Channel 8 channels Al off: Access: 144 Mbps; Storage: 144 Mbps; Forward: 72 Mbps Network Bandwidth Al on: Access: 72 Mbps; Storage: 72 Mbps; Forward: 36 Mbps Resolution 12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1 Al disabled: 1-channel 12MP@30 fps; 1-channel 8MP@30 fps; 2-channel 5MP@30 fps; 3-channel **Decoding Capability** 4MP@30 fps; 6-channel 1080p@30 fps Al enabled: 1-channel 8MP@30 fps; 1-channel 5MP@30 fps; 2-channel 4MP@30 fps; 4-channel 1080p@30 fps

Video OutputI × VGA 1 × HDMI (simultaneous)Hulti-screen Display1,4,8,9 viewsFindr Party Camera AccesOwifCompressionSmart H.265; ML265; Smart H.264; MLPEGVideoCotk; G711A; G711U; G726Multi-screen ViewsSmart H.265; ML265; Smart H.264; MLPEGNetworkFilter; DDNS; Alarm Server; IP Search Guyports Dabua P camera, DVN, NS, etc.); PZP, AutoMobile Phone AccessAndroid; IOSInteroperabilityONYF (profile T; profile S; profile G; CGI; SDKProwserDy B & Chamels Camera, DVN, NS, etc.); PZP, AutoRecord PlaybackUro B chamelsForageIonal record; arm recordings; motion detectionRecord ModeSB evicePayback FunctionSB evicePayback FunctionSel eviceJangmanCarling: scheduled recordings; video loss; PIR alarm:Anomaly Carcer; Jang Transpace, Video Lig/File; partially zoming:JanghangSel eviceJanghangSel evicePayback FunctionSel eviceJanghangCarcings: scheduled recordings; motion detection; frivacy masking; video loss; PIR alarm:JanghangSel eviceJanghangSel eviceJanghangSel eviceJartin HillsSel evice<			
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	Power Consumption	power of PoE is 72W, the maximum output power of	



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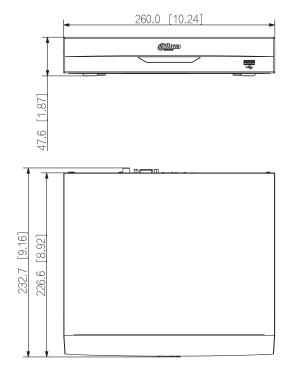
Wiz Sense | DHI-NVR2108HS-8P-I2

Net Weight	0.92 kg (2.03 lb)	
Gross weight	2.07 kg (4.56 lb)	
Product Dimensions	260 mm × 232.7 mm × 47.6 mm (10.24" × 9.16" × 1.87") (W × L × H)	
Package Dimensions	117 mm × 373 mm × 307 mm (4.61" × 14.69" × 12.09") (W × L × H)	
Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)	
Storage Temperature	0 °C to 40 °C (32 °F to 104 °F)	
Operating Humidity	10%-93%	
Storage Humidity	30%-85%	
Operating Altitude	3,000 m (9,842.52 ft)	
Installation	Desktop	
Certifications	FCC:47 CFR FCC Part15,SubpartB,Class A CE-EMC:EN 55032:2015,Class A;EN IEC 61000- 3-2:2019;EN 61000-3-3:2013+A1:2019;EN 55024:2010+A1:2015;EN 55035:2017;EN 50130- 4:2011+A1:2014 CE-LVD:EN 62368-1:2014+A11:2017	

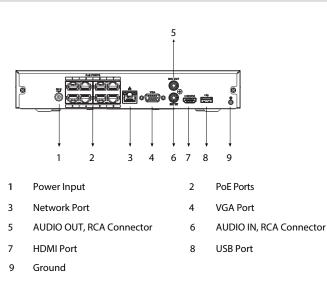
Ordering Information

Туре	Model	Description
8 Channel	DHI-NVR2108HS-	8 Channel Compact 1U 8 PoE
WizSense NVR	8P-I2	WizSense Network Video Recorder

Dimensions (mm[inch])



Panels



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