

# 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:  $6 \times 1080p@30$  fps. Supports adaptive decoding
- 1-channel face detection and recognition (Al by NVR); 1-channel perimeter protection (Al by NVR); up to 10 face databases and 5,000 face images; 4-channel SMD Plus (Al 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.

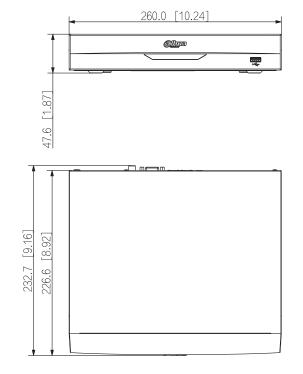
n		Video Output	$1 \times VGA$ , $1 \times HDMI$ (simultaneous)
		Multi-screen Display	1, 4, 8, 9 views
Industrial-grade embedded processor		Third Party Camera Access	Onvif
Embedded Linux		Compression	
Web; local GUI		Video	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG
		Audio	PCM; G711A; G711U; G726
Face detection; face recognition; perimeter protection; SMD Plus		Network	
Face detection; face recognition; perimeter protection; SMD Plus		Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; DDNS; Alarm Server; IP Search (Supports Dahua IP camera, DVR, NVS, etc.); P2P; Auto Paciforthic Paris (Search Search Sear
Perimeter Protection  Perimeter Performance		Mahila Dhana Assass	Registration
1			Android; iOS
			ONVIF (profile T; profile S; profile G); CGI; SDK
4			Chrome; IE9 or later; Firefox
6 attibutes: Gender; age group (6); glasses; expressions		Multi-channel Playback	Up to 8 channels
(8); mouth mask; beard		Record Mode	Manual record; alarm recordings; motion detection recordings; scheduled recordings
1 (up to 12 face images/second)		Storage	Local HDD and network
		Backup	USB device
5		Playback Function	Play; pause; stop; fast forward; fast backward; rewind; play by frame     Full screen; backup (vide clip/file); partially zom in; audio on/off
		Alarm	
Up to 10 face databases with 5,000 images		General Alarm	Motion detection; privacy masking; video loss; PIR alarm; IPC alarm
1 (up to 4 face images/second)		Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; cyber security exception
		Intelligent Alarm	Face detection; face recognition; perimeter protection (intrusion and tripwire); IVS; SMD Plus
5		Alarm Linkage	Recording; snapshot; buzzer; log; preset; email; tour
		External Port	
		HDD	1 SATA port, up to 10 TB. The maximum HDD capacity varies with environment temperature
4		USB	1 × front USB2.0; 1 × back USB2.0
6-channel SMD Plus (AI by camera): Detects tripwire and intrustion of human or vehicle; filters false alarms caused by leaves, raindrops and change of brightness away		HDMI	1 (max. resolution: 4K)
		VGA	1
		Network	1 × RJ-45, 10/100/1000 Mbps
8 channels		PoE	8 × PoE ports, 10/100 Mbps
Al off: Access: 144 Mbps; Storage: 144 Mbps; Forward: 72 Mbps Al on: Access: 72 Mbps; Storage: 72 Mbps; Forward: 36 Mbps		RCA Input	1
		RCA Output	1
12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1		General Parameter	
Al disabled: 1-channel 12MP@30 fps; 1-channel 8MP@30 fps; 2-channel 5MP@30 fps; 3-channel 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		Power Supply	53VDC, 1.8A
		Power Consumption	Total output of NVR is ≤ 10W (without HDD)Total output power of PoE is 72W, the maximum output power of asingle port is 25.5W
	Industrial-grade embedded processor  Embedded Linux  Web; local GUI  Face detection; face recognition; perimeter protection; IMD Plus  Face detection; face recognition; perimeter protection; IMD Plu	Industrial-grade embedded processor  Embedded Linux  Web; local GUI  Face detection; face recognition; perimeter protection; IMD Plus  Face detection; face images/second)  Face detection; face images/second)  Face detection; face images/second)  Face detection; face recognition; perimeter protection; IMD Plus  Face detection; face recognition; IMD Plus  Face detection; face recognition; IMD Plus  Face detection; face recognition; IMD Plus  Face detection; IMD Plus  Face det	Multi-screen Display Third Party Camera Access Compression Video Audio Network Face detection, face recognition; perimeter protection; MO Plus  Network Face detection, face recognition; perimeter protection; MO Plus  Mobile Phone Access Interoperability Browser Record Playback Multi-channel Playback Multi-channel Playback Multi-channel Playback Multi-channel Playback Multi-channel Playback Face images/second)  Alarm  Jup to 10 face databases with 5,000 images  L (up to 4 face images/second)  Alarm  Jup to 10 face databases with 5,000 images  L (up to 4 face images/second)  Jup to 10 face databases with 5,000 images  L (up to 4 face images/second)  Jup to 10 face databases with 5,000 images  Alarm  Anomaly Alarm  Intelligent Alarm  Alarm Linkage External Port  HDD  Jus B  Schannel SMD Plus (Al by camera): Detects tripwire and ntrustion of human or vehicle; filters false alarms caused by leaves, raindrops and change of brightness away  VGA  Network  PoE  RCA Input  RCA Output  General Parameter  Nulsiabled: 1-channel 12MP@30 fps; 1-channel  MIM@30 fps; 2-channel 5MP@30 fps; 1-channel  MIM@30 fps; 2-channel 12MP@30 fps; 1-channel  MIM@30 fps; 2-channel 18MP@30 fps; 1-channel  MIM@30 fps; 2-channel 5MP@30 fps; 1-channel

## Wiz Sense | DHI-NVR2108HS-8P-I2

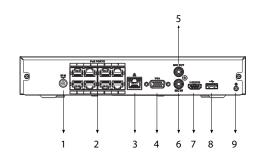
Net Weight	0.92 kg (2.03 lb)	
Gross weight	2.07 kg (4.56 lb)	
Product Dimensions	260 mm × 232.7 mm × 47.6 mm (10.24" × 9.16" × 1.87") (W × L × H)	
Package Dimensions	117 mm $\times$ 373 mm $\times$ 307 mm (4.61" $\times$ 14.69" $\times$ 12.09") (W $\times$ L $\times$ H)	
Operating Temperature	−10 °C 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 WizSense NVR	DHI-NVR2108HS- 8P-I2	8 Channel Compact 1U 8 PoE WizSense Network Video Recorder		

## Dimensions (mm[inch])



#### **Panels**



- 1 Power Input
- 3 Network Port
- 5 AUDIO OUT, RCA Connector
- 7 HDMI Port
- 9 Ground

- 2 PoE Ports
- 4 VGA Port
- 6 AUDIO IN, RCA Connector
- 8 USB Port