



DHI-NVR2108HS-I

8 Channel Compact 1U 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 economical 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/exits, and perimeter protection of people and vehicles.

Functions

New User Interface

Local and web interfaces adopt the new UI 4.0 style which caters to users habits. Functional modules are divided more clearly and easier to understand.

Decoding (Smart H.265+/Smart H.264+)

Dahua smart encoding (H.265+/ H.264+) is the optimized implementation of (H.265/H.264) codec that uses a scene-adaptive code rate control algorithm, providing more efficiency in the encoding process and higher video quality, and reducing the cost of storage and transmission significantly. This NVR supports the corresponding decoding.

SMD Plus

SMD Plus, referred to as Smart Motion Detection Plus, which is an upgrading version of SMD that greatly improves the alarm accuracy by loading deep-learning algorithm. It analyzes person and vehicle shapes based on motion detection and sends alarms only when person or vehicle intrudes.

- New 4.0 user interface
- Remote surveillance, live view and video play on mobile phone App
- Max. decoding capability: 4 × 1080p@30fps. Supports adaptive decoding
- Supports mainstream cameras of ONVIF and RTSP protocols
- H.264/.H265/Smart H.264+/Smart H.265+/MJPEG, H.265 auto switch
- 1 VGA/1 HDMI simultaneous video output by default, the maximum resolution of HDMI is 4K; and non-simultaneous video output is also supported, the maximum resolution is 1080p
- 1-channel face detection and recognition (AI by NVR); or 2-channel perimeter detection (AI by NVR); or 4-channel SMD (AI by NVR); up to 10 face databases and 5,000 face images
- · Security baseline 2.1















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

Face recognition is to figure out the captured face with target features, and compare them with the face database to identify the personnel.

Perimeter Protection

Based on the deep learning algorithm, perimeter protection provides accurate human and vehicle classification detection. It grealy reduces false alarms by smartly detecting behaviors such as tripwire and intrusion according to the detected object in restricted areas (e.g., for human or vehicle) .

System Main Processor Industrial-grade embedded processor Operating System Embedded Linux Operation Interface Web/operating in local GUI Video Access Channel 8 channels Network Bandwidth for forwarding Resolution 12M/8M/5M/4M/3M/2M/720p/D1 Decoding Capability 1-channel 8MP@30fps 4-channel 1808p@30fps 4-channel 1808p@30fp	Technical Specification	on			
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Ordering Information

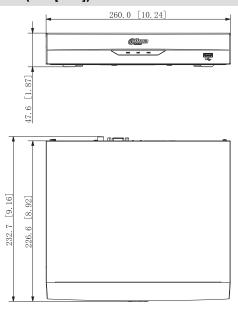
Type Model Description

8 Channel
WizSense NVR

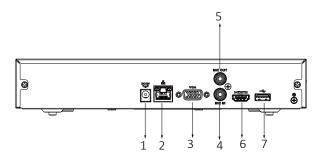
DHI-NVR2108HS-I

8 Channel Compact 1U WizSense Network Video Recorder

Dimensions (mm [inch])



Panels



- 1 DC 12V Power Input
- 2 Network Port
- 3 VGA Port
- 4 AUDIO IN, RCA Connector
- 5 AUDIO OUT, RCA Connector
- 6 HDMI Port
- 7 USB Port