

# DHI-NVR4108HS-4KS2/L

## Network Video Recorder



- New 4.0 user interface
- Smart H.265+/ Smart H.264+
- P2P remote surveillance, video play on mobile device
- 8-ch@1080P(30fps), self-adaptive decoding capability
- Supports mainstream cameras of ONVIF and RTSP protocol
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- Remote configuration and management of IPCs, such as setting parameters, acquiring information and upgrading IPCs of the same model in batches
- DHCP(Dynamic Host Configuration Protocol), HTTP(Hypertext Transfer Protocol), NTP(Network Time Protocol) and DDNS(Dynamic Domain Name System)

### System Overview

This 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, remote management and control.

### Functions

#### New User Interface

The new web and local GUI interface uses flat design which is more consistent with users' habits. Functional modules are divided clearer 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 encoding strategy, 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.

### Application

This NVR is suitable for places such as retail stores, families, courtyards and public areas.

## Technical Specification

### System

Main Processor	Industrial-grade embedded processor
OS	Embedded Linux
Operation Interface	Web/operating in local GUI

### Video

Access Channel	8 channels
Network Bandwidth	80 Mbps for access, 80 Mbps for storage and 30 Mbps for forwarding.
Resolution	8MP/5MP/4MP/3MP/1080P/720P/D1/CIF
Decoding Capability	2-ch@8MP(30FPS) or 3-ch@5MP(30FPS) or 4-ch@4MP(30FPS) or 5-ch@3MP(30FPS) or 8-ch@1080P(30FPS) or 16-ch@720P(30FPS)
Video Output	1 VGA/1 HDMI simultaneous video output, maximum resolution 4K
Multi-screen Display	1/4/8/9
Third Party Camera Access	ONVIF, RTSP

### Compression

Video	Smart H.265+/H.265/Smart H.264+/H.264
Audio	G.711A/G.711U/PCM/G726

### Network

Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, P2P
Mobile Phone Access	iDMSS (iOS)/gDMSS (Android)
Access Standard	ONVIF (profile S), CGI, SDK
Browser	Chrome, IE9 or above, Firefox

### Record Playback

Multi-channel Playback	Up to 8 channels playback
Record Mode	Priority of record mode: Manual recording > alarm recording > motion detection recording > timed recording
Storage	Local HDD
Backup	USB device
Playback Function	1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off

### Alarm

General Alarm	Motion detection, privacy masking, video loss, IPC alarm
Anomaly Alarm	Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly
Alarm Linkage	Video recording, snapshot, log, preset point, tour

### External Port

HDD	1 SATA 2.0 port, up to 6 TB for a single HDD
USB	1 front USB 2.0 port, 1 rear USB 2.0 port
HDMI	1
VGA	1
RCA Input	1
RCA Output	1
Network	1 RJ-45 port (10/100 Mbps)

### General Parameter

Power Supply	DC12V, 2A
Power Consumption	Total output of NVR is ≤ 10W (without HDD)
Net Weight	TBD
Gross weight	TBD
Dimensions	260 mm × 225 mm × 47.6 mm (W × L × H) 10.24 inch × 8.86 inch × 1.87 inch (W × L × H)
Packaging Dimensions	89 mm × 333 mm × 315 mm (W × L × H) 3.50 inch × 13.11 inch × 12.40 inch (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%–90%
Storage Humidity	30%–85%
Operating Altitude	5000 m (16404 ft)
Installation	Desktop mounting
Certification	CE/FCC/UL

### Dimensions (mm[inch])