

# DHI-NVR1104HS-P-S3/H

4 Channel Compact 1U 1HDD 4PoE Lite H.265 Network Video Recorder



- New 4.0 user interface
- P2P remote surveillance, video play on mobile device
- 4-ch@1080p (30 fps), self-adaptive decoding capability
- Support for mainstream cameras of ONVIF and RTSP protocol
- Smart H.265+/Smart H.264+
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 1080p
- 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)

## Series 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, and remote management and control.

## Functions

### New User Interface

Local and web interfaces adopt the new UI 4.0 style 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.

## Security Center

Security Center provides a whole picture of device security and helps protect the NVR with security scan, attack defense, certificate management, audio and video encryption and security settings. Security warnings will be sent through many ways such as email, message, voice prompts.

## Scene

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

## Technical Specification

### System

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

### Video

|                           |                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------|
| Access Channel            | 4 channels                                                                                              |
| Network Bandwidth         | 80 Mbps for access, 80 Mbps for storage and 60 Mbps for forwarding                                      |
| Resolution                | 8MP; 5MP; 4MP; 3MP; 1080p; 720p; D1; CIF                                                                |
| Decoding Capability       | 1-ch@8MP (30 fps) or 1-ch@5MP (30 fps) or 2-ch@4MP (30 fps) or 2-ch@3MP (30 fps) or 4-ch@1080p (30 fps) |
| Video Output              | 1 VGA/1 HDMI simultaneous video output, maximum resolution 1080p                                        |
| Multi-screen Display      | 1/4                                                                                                     |
| Third Party Camera Access | Onvif, RTSP                                                                                             |

### Compression

|       |                                       |
|-------|---------------------------------------|
| Video | Smart H.265+/H.265/Smart H.264+/H.264 |
| Audio | PCM; G711A; G711U; G726               |

### Network

|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| Network Protocol    | HTTP; HTTPS; TCP/IP; IPv4; IPv6; RTSP; UDP; NTP; DHCP; DNS; P2P |
| Mobile Phone Access | iDMSS (iOS); gDMSS (Android)                                    |
| Access Standard     | ONVIF (profile T/profile S/profile G); CGI; SDK                 |
| Browser             | Chrome; IE9 or above; Firefox                                   |

### Record Playback

|                        |                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Multi-channel Playback | Up to 4 channels playback                                                                                                                      |
| Record Mode            | Priority of record mode: Manual recording > alarm recording > motion detection recording > timed recording                                     |
| Storage                | Local HDD and network                                                                                                                          |
| Backup                 | USB device                                                                                                                                     |
| Playback Function      | 1. Play, pause, stop, fast forward, fast backward, rewind, play by frame<br>2. Full screen, backup (cut/file), partially enlarge, audio on/off |

### Alarm

|               |                                                                                                                              |
|---------------|------------------------------------------------------------------------------------------------------------------------------|
| General Alarm | Motion detection, privacy masking, video loss, PIR alarm, 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, tour                                                                                 |

### External Port

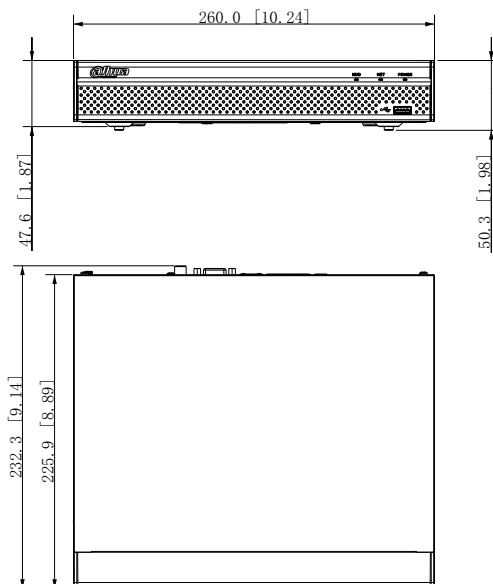
|     |                                                                                                            |
|-----|------------------------------------------------------------------------------------------------------------|
| HDD | 1 SATA 2.0 port, up to 8 TB for a single HDD. The maximum HDD capacity varies with environment temperature |
|-----|------------------------------------------------------------------------------------------------------------|

|            |                                                                               |
|------------|-------------------------------------------------------------------------------|
| USB        | 1 front USB 2.0 port, 1 rear USB 2.0 port                                     |
| HDMI       | 1                                                                             |
| VGA        | 1                                                                             |
| RCA Input  | 1                                                                             |
| RCA Output | 1                                                                             |
| Alarm      | None                                                                          |
| Network    | 1 RJ-45 port (10/100 Mbps), 4 RJ-45 ports with PoE power supply (10/100 Mbps) |

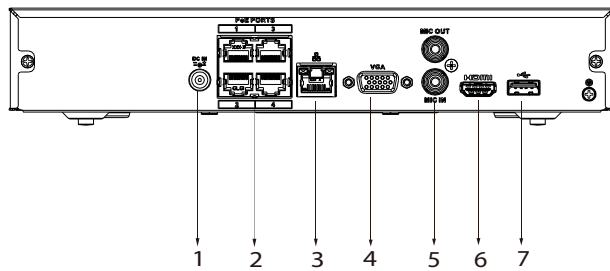
### General Parameter

|                       |                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply          | DC 48V/53V, 1.25A/1.22A                                                                                                            |
| Power Consumption     | Total output of NVR is ≤ 10W (without HDD)<br>Total output power of PoE is 36W, the maximum output power of a single port is 25.5W |
| Net Weight            | 0.84 kg (1.85 lb)                                                                                                                  |
| Gross weight          | 1.86 kg (4.10 lb)                                                                                                                  |
| Product Dimensions    | 260 mm × 225 mm × 47.6 mm (W × L × H)                                                                                              |
| Box Dimensions        | 87 mm × 331 mm × 312 mm (W × L × H)                                                                                                |
| Operating Temperature | -10°C to 45°C (+34°F to +113°F)                                                                                                    |
| Storage Temperature   | 0°C to 40°C (+32°F to +104°F)                                                                                                      |
| Operating Humidity    | 10%~93%                                                                                                                            |
| Storage Humidity      | 30%~85%                                                                                                                            |
| Operating Altitude    | 3000 m (9843 ft)                                                                                                                   |
| Installation          | Desktop mounting                                                                                                                   |
| Certification         | CE/FCC                                                                                                                             |

### Dimensions (mm[inch])



## Panels



- |   |                             |   |           |
|---|-----------------------------|---|-----------|
| 1 | Power Input                 | 2 | PoE Ports |
| 3 | Network Port                | 4 | VGA Port  |
| 5 | AUDIO IN/OUT, RCA Connector | 6 | HDMI Port |
| 7 | USB Port                    |   |           |