

# DHI-NVR1108HS-W-S2

8 Channel Compact 1U 1HDD Network Video Recorder



- New 4.0 user interface.
- One-click wireless pairing to IPCs.
- Automatic pairing to IPC in 120 s after boot-up under undisturbed conditions.
- Automatic cascading of IPCs for long-distance surveillance.
- 4-ch@1080P (25FPS), self-adaptive decoding capability.
- Supports mainstream cameras of ONVIF 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 DomainName System).

## Series Overview

With its embedded Wi-Fi module, Dahua's Lite Series Wireless Recorder supports the AP function, and automatically detects and connects with Dahua wireless cameras. It has two antennas that together produce strong wireless signals, and has IEEE 802.11 b/g/n (2.4G Hz) Wi-Fi which allows it to cover a wider area. This NVR also supports the access of IP cameras, making installation more convenient. Without the limitation of network cables, the wireless recorder combined with the Dahua wireless camera provides a great solution for SMB surveillance systems, making this NVR ideal for a wide range of applications including home safety, cafes, supermarkets, retail, education and more industries.

## Functions

### New User Interface

Highly user friendly, the new web interface and GUI have a minimalist flat design, that makes navigating the system much easier. The functional modules have also been arranged to be clearer and easier to understand.

### Automatic Wireless Pairing

In just 120 seconds, the wireless NVR automatically pairs with the wireless IPC after the system starts up, allowing you to work faster and more efficiently.

### Wireless Cascading

The wireless NVR automatically cascades IPCs for long-distance surveillance.

## Technical Specification

### System

|                     |                                     |
|---------------------|-------------------------------------|
| Main Processor      | Industrial-grade embedded processor |
| Operating System    | Embedded Linux                      |
| Operating Interface | Web; Local GUI                      |

### Audio and Video

|                           |  |
|---------------------------|--|
| Access Channel            | 8 channels   |
| Network Bandwidth         | Wired mode: 40 Mbps incoming, 40 Mbps recording and 20 Mbps outgoing<br>Wireless mode: 16 Mbps incoming, 16 Mbps recording |
| Resolution                | 6 MP; 5 MP; 4 MP; 3 MP; 2 MP; 720p; D1   |
| Decoding Capability       | 1-channel 6 MP@25 fps; 1-channel 5 MP@25 fps;<br>2-channel 4 MP@25 fps; 2-channel 3 MP@25 fps;<br>4-channel 1080p@25 fps   |
| Video Output              | 1 × VGA, 1 × HDMI (simultaneous)   |
| Multi-screen Display      | 1, 4, 8, 9 views   |
| Third-party Camera Access | Onvif  |

### Compression Standard

|                   |   |
|-------------------|---|
| Video Compression | Smart H.265; H.265; Smart H.264; H.264; MJPEG |
| Audio Compression | PCM; G711A; G711U; G726                       |

### Network

|                     |   |
|---------------------|---|
| Network Protocol    | HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; NTP; DHCP; DNS; Alarm Server; P2P |
| Mobile Phone Access | Android; iOS  |
| Interoperability    | ONVIF (profile T/S/G); CGI; SDK   |

# NVR1100-W-S2 Series | DHI-NVR1108HS-W-S2

|                           |   |
|---------------------------|---|
| Browser                   | Chrome; IE 9 or later; Firefox  |
| <b>Recording Playback</b> |   |
| Multi-channel Playback    | Up to 8 channels  |
| Record Mode               | Manual record; alarm record; motion detection record; schedule record                               |
| Storage Method            | Local HDD and network   |
| Backup Method             | USB device  |
| Playback Mode             | Instant playback, general playback, event playback, tag playback, smart playback (motion detection) |

## Alarm

|               |   |
|---------------|---|
| General Alarm | Motion detection; privacy masking; video loss; PIR alarm  |
| Anomaly Alarm | Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; cyber security exception |
| Alarm Linkage | Recording; snapshot; buzzer; log; preset; tour  |

## Port

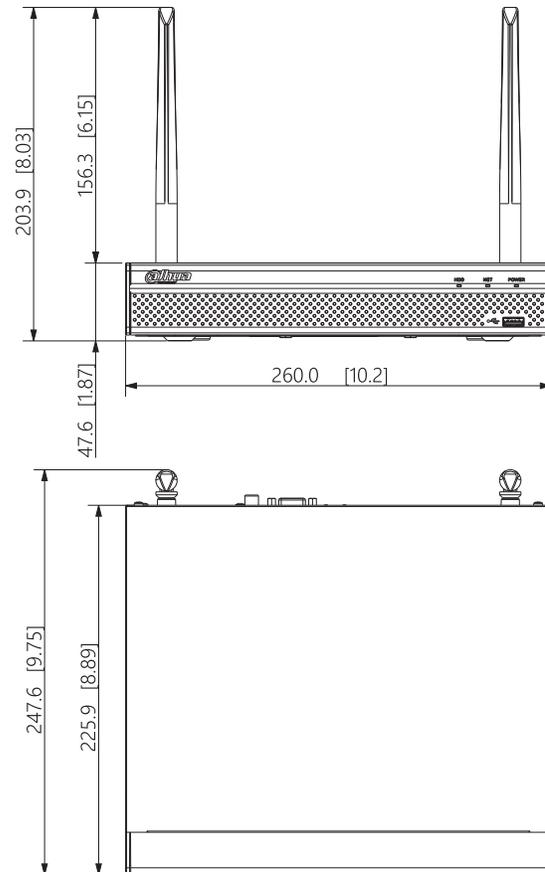
|               |  |
|---------------|--|
| Audio Input   | 1  |
| Audio Output  | 1  |
| HDD Interface | 1 SATA port, up to 16 TB. The maximum HDD capacity varies with environment temperature |
| USB           | 1 front USB 2.0 port, 1 rear USB 2.0 port  |
| HDMI          | 1  |
| VGA           | 1  |
| Network Port  | 1 × RJ-45, 10/100 Mbps self-adaptive Ethernet port                                     |

## General

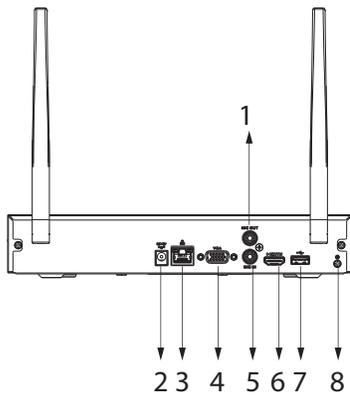
|                       |  |
|-----------------------|--|
| Power Supply          | 12 VDC, 1.5 A  |
| Power Consumption     | Total output of NVR is ≤ 10 W (without HDD)  |
| Net Weight            | 0.824 kg (1.82 lb)   |
| Gross Weight          | 1.56 kg (3.44 lb)  |
| Product Dimensions    | 260.3 mm × 247.3 mm × 44.7 mm (10.25" × 9.74" × 1.76") (W × L × H)   |
| Packaging Dimensions  | 372 mm × 117 mm × 308 mm (14.65" × 4.61" × 12.13") (W × L × H)   |
| Operating Temperature | -10 °C to + 45 °C (+ 14 °F to +113 °F)   |
| Operating Humidity    | 10%–93% (RH)   |
| Installation          | Rack or desktop  |
| Certifications        | CE: EN62368-1; EN55032; EN55024; EN55035; EN61000-3-2; EN61000-3-3; EN50130-4 FCC: Part 15 Subpart B CE-RED: EN301489-1; EN 301489-17; EN300328; EN300328; EN62311; FCC ID: 47 CFR PART 15 SUBPART C |

| Ordering Information |                        |  |
|----------------------|------------------------|--|
| Type                 | Model                  | Description                                      |
| 8 Channel NVR        | DHI-NVR1108HS-W-S2-CE  | 8 Channel Compact 1U 1HDD Network Video Recorder |
|                      | DHI-NVR1108HS-W-S2-FCC | 8 Channel Compact 1U 1HDD Network Video Recorder |

## Dimensions (mm[inch])



Panels



- |                            |               |
|----------------------------|---------------|
| 1 AUDIO OUT, RCA Connector | 2 Power Input |
| 3 Network Port             | 4 VGA Port    |
| 5 AUDIO IN, RCA Connector  | 6 HDMI Port   |
| 7 USB Port                 | 8 Ground      |