

DHI-NVR1108HS-W-S2

8 Channel Compact 1U 1HDD Network Video Recorder



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.

- 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 Domain Name System).

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 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; 2-channel 4 MP@25 fps; 2-channel 3 MP@25 fps; 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

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Browser	Chrome; IE 9 or later; Firefox
Wi-Fi	
Wi-Fi Standard	802.11b/g/n
Frequency Range	2400–2483.5 MHz
Transmitter Power (EIRP)	CE EIRP: ≤20dBm@2400-2483.5MHz FCC output power: ≤30dBm@2400-2483.5MHz

Recording Playback

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

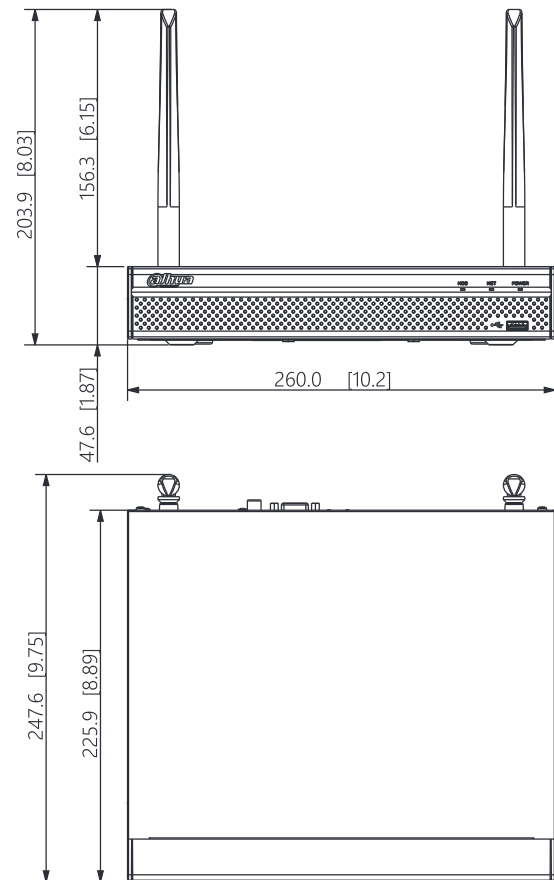
General

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

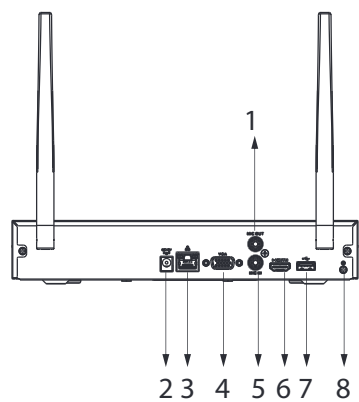
Ordering Information

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



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|---|--------------------------|---|-------------|
| 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 |