

DHI-NVR4104HS-W-S2

4 Channel Compact 1U WiFi Network Video Recorder



- H.264/MJPEG codec decoding
- Max 80Mbps Incoming Bandwidth
- Up to 5MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output
- Support three-antenna to strengthen the WiFi signal
- Support 2.4GHz and 5GHz dual-bands



System Overview

Dahua's second generation WiFi network video recorder embedded WiFi module to support wireless AP function, support automatic detection and connection of IP cameras from Dahua without any operations. In addition to the feature of first generation WiFi NVR, it has three-antenna for a strong wireless network signal. Besides, 2.4GHz and 5GHz dual-bands cover wider and further area.

Designed as a low-cost, easy installation, this NVR is ideal for a wide range of applications such as home safety, grocery, warehouse, education, and other industries.

The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems with or without a video management system (VMS). Its open architecture supports multi-user access and is compatible with ONVIF 2.4, enabling interoperability when combined with IP cameras.

Functions

5MP Resolution

The NVR supports 4MP HD resolution (2560 x 1440) and 5MP HD resolution (2560 x 1920) for recording, live viewing and playback.

Smart Add

With the Smart Add function, the installation of IP system is as easy as an analog system, no matter the NVR with or without a PoE switch embedded. It should be noted that the NVR has to be in the same router as cameras.

ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to NVR and then recorded in it.

P2P

You can monitor at anytime and anywhere with P2P. With this function, you can manage your devices more convenient.

Technical Specification

System

Main Processor	Dual-core embedded processor
Operating System	Embedded LINUX

Display

Interface	1 HDMI, 1 VGA
Resolution	1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
Multi-screen Display	1/4
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Video Detection and Alarm

Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Camera Blank
Alarm input	N/A
Relay Output	N/A

Playback and Backup

Playback	1/4
Search Mode	Time /Date, MD and Exact Search (accurate to second), Smart search
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Storage

Internal HDD	1 SATA III Ports, Up to 6 TB capacity for each HDD
HDD Mode	Single
eSATA	N/A

Auxiliary Interface

USB	2 USB Ports (2 USB2.0)
RS232	N/A
RS485	N/A

Third-party Support

Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
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Audio and Video

IP Camera Input	4 Channel
Two-way Talk	N/A

Recording

Compression	H.264/MJPEG
Resolution	5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.
Record Rate	80Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Camera Blank, Video Loss), Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

Network

Interface	1 RJ-45 Port (10/100Mbps)
Ethernet Port	1 Independent 100Mbps Ethernet Port
PoE	N/A
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, IP Search (Support Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant

Electrical

Power Supply	Single, DC12V/2A
Power Consumption	<10W (Without HDD)

Environmental

Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

Construction

Dimensions	260mm x 246.4mm x 47.6mm (10.24" x 9.7" x 1.87")
Net Weight	0.5kg (1.1 lb) (Without HDD)
Gross Weight	2.0kg (4.4 lb)(Without HDD)

Certifications

CE	Coming soon
FCC	Coming soon

Ordering Information		
Type	Part Number	Description
Compact 1U WiFi NVR	DHI-NVR4104HS-W-S2	4 Channel Compact 1U WiFi Network Video Recorder
Accessories	N/A	N/A

Dimensions (mm)

