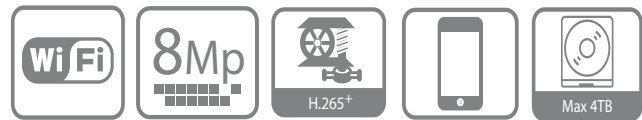


DHI-NVR2104/2108-W-4KS2

4/8 Channel Smart 1U Lite 4K H.265 Wireless Network Video Recorder



- Support IEEE802.11b/g/n(2.4GHz)
- Support two-antenna to strengthen the Wi-Fi signal
- H.265+/H.264+ codec decoding
- Max 80Mbps wire incoming bandwidth
- Max 24Mbps wireless incoming bandwidth
- Up to 1ch@8MP/4ch@1080P decoding



System Overview

Dahua's third generation network video recorder embedded Wi-Fi module to support wireless AP function, support automatic detection and connection of IP camera from Dahua without any operation. In addition, it has two-antenna for a strong wireless network signal. IEEE 802.11 b/g/n (2.4G Hz) Wi-Fi covers wider and further area. Also, this NVR can support wire IP cameras accessing, making the installation more flexible.

Without the limitation of the network cable, this NVR is ideal for a wide range of applicaiton such as home safety, cafe, retail, grocery, education and other industries.

Combination with Dahua wireless camera makes the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with IP cameras.

Functions

WiFi AP

With built-in Wi-Fi module, this NVR can supply Wi-Fi access point for wireless devices. Setting SSID and password to construct a dedicated wireless network, it will makes the wireless transmission more reliable and safe. Besides, IEEE802.11b/g/n(2.4G Hz) Wi-Fi covers wider and further area.

8MP Resolution

8MP resolution is a revolutionary breakthrough in image processing technology. 8MP delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 8MP resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

DMSS

The DMSS app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access NVR devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere.

Technical Specification

System

| | |
|------------------|------------------------------|
| Main Processor | Dual-core embedded processor |
| Operating System | Embedded LINUX |

Audio and Video

| | |
|-----------------|-------------|
| IP Camera Input | 4/8 Channel |
| Two-way Talk | N/A |

Display

| | |
|----------------------|--|
| Interface | 1 HDMI, 1 VGA |
| Resolution | HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720 |
| | VGA: 1920×1080, 1280×1024, 1280×720 |
| Decoding Capacity | 1ch@8MP 30fps, 4ch@1080P 30fps |
| Multi-screen Display | 4CH: 1/4 |
| | 8CH: 1/4/8/9 |
| OSD | Camera title, Time, Camera lock, Motion detection, Recording |

Recording

| | |
|-----------------|--|
| Compression | H.265+/H.264+/H.265/H.264 |
| Resolution | 8MP/6MP/5MP/4MP/3MP/1080P/720P/D1&etc. |
| Record Rate | 80Mbps |
| Bit Rate | 16Kbps ~ 20Mbps Per Channel |
| Record Mode | Manual, Schedule(Regular(Continuous), MD, Stop |
| Record Interval | 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec |

Video Detection and Alarm

| | |
|-----------------|---|
| Trigger Events | Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 × 18), and Tampering |
| Alarm input | N/A |
| Relay Output | N/A |

Playback and Backup

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

Third-party Support

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

Network

| | |
|-------------------------|---|
| Interface | 1 RJ-45 port (10/100Mbps) |
| Wireless | IEEE802.11b/g/n(2.4GHz) |
| PoE | N/A |
| Network Function | HTTP/HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, NTP, DHCP, DNS, IP Filter, DDNS, IP Search(Support Dahua IP camera, DVR, NVS and etc.), P2P |
| Optical Fiber Interface | N/A |
| Max. User Access | 128 users |
| Smart Phone | iPhone, iPad, Android |
| Interoperability | ONVIF 2.4, SDK, CGI |

Storage

| | |
|--------------|--|
| Internal HDD | 1 SATA III Port, up to 4TB capacity for each HDD |
| HDD Mode | Single |
| eSATA | N/A |

Auxiliary Interface

| | |
|-------|--------------------|
| USB | 2 ports (2 USB2.0) |
| RS232 | N/A |
| RS485 | N/A |

Electrical

| | |
|-------------------|---------------------|
| Power Supply | Single, DC12V/2A |
| Power Consumption | <6.6W (without HDD) |

Environmental

| | |
|----------------------|---|
| Operating Conditions | 0°C ~ +40°C (+32°F ~ +104°F), 86 ~ 106kpa |
| Storage Conditions | -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH |

Construction

| | |
|-------------------|---|
| Dimensions(W×D×H) | Smart 1U, 226mm×226.9mm×40.4mm (8.9" x 8.9" x 1.6") |
| Net Weight | 0.5kg (1.10lb) (without HDD) |
| Gross Weight | 1.6kg(3.53 lb)(without HDD) |

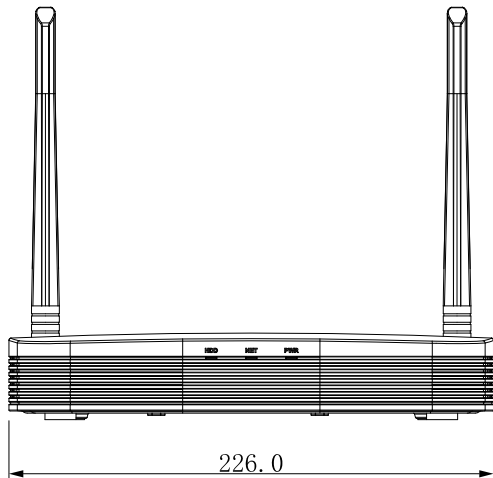
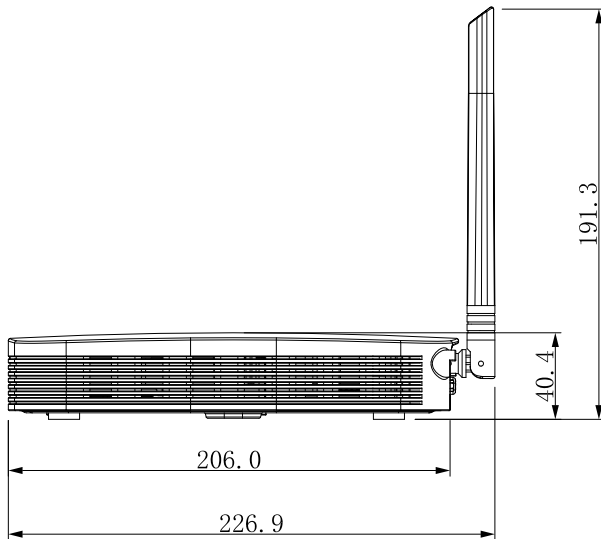
Certifications

| | |
|-----|--|
| CE | EN55032, EN55024, EN50130-4, EN60950-1 |
| FCC | Part 15 Subpart B, ANSI C63.4-2014 |
| UL | UL60950-1 |

Ordering Information

| Type | Part Number | Description |
|---------------|--------------------|--|
| 4 Channel NVR | DHI-NVR2104-W-4KS2 | 4 Channel Smart 1U Lite 4K H.265 Wireless Network Video Recorder |
| 8 Channel NVR | DHI-NVR2108-W-4KS2 | 8 Channel Smart 1U Lite 4K H.265 Wireless Network Video Recorder |
| Accessories | N/A | N/A |

Dimensions (mm)



Rear Panel

