

# DHI-NVR2104HS-P-4KS2

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



- · H.265/H.264 codec decoding
- · Max 80Mbps incoming bandwidth
- · Up to 8Mp resolution preview&playback
- · Up to 1ch@8MP/4ch@1080P decoding
- · HDMI/VGA simultaneous video output
- · Support IPC UPnP, 4PoE ports











#### **System Overview**

Dahua NVR2000-4KS2 is capable of transmitting 8MP image. It helps to save up to 50% HDD and storage space with its H.265 decoding technology compared with H.264.

Due to its cost-effective and easy-to-install design, this NVR is ideal for a wide range of applications such as home safety, grocery, warehouse, education, and financial institutions.

The NVR is compatible with numerous third-party devices making it 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**

4K Resolution

4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

### Easy4ip

The Easy4ip 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.

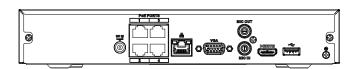


| Technical Specification   |   | Third-party Support     |   |
|---------------------------|---|-------------------------|---|
| System                    | Dual care ambadded processor  | Third-party Support     | Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelc  |
| Main Processor            | Dual-core embedded processor  Embedded LINUX  | Nistranda               | Samsung, Sanyo, Sony, Videotec, and more  |
| Operating System          | Embedded LiNUX  | Network                 |   |
| Audio and Video           |   | Interface               | 1 RJ-45 port (10/100Mbps)   |
| IP Camera Input           | 4 Channel   | PoE                     | 4 ports (IEEE802.3at/af)  |
| Two-way Talk              | 1 Channel Input, 1 Channel Output, RCA  | Network Function        | HTTP/HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, NTF DHCP, DNS, IP Filter, DDNS, IP Search(Support I |
| Display                   |   |                         | IP camera, DVR, NVS and etc.), Easy4ip  |
| Interface                 | 1 HDMI, 1 VGA   | Optical Fiber Interface | N/A   |
|                           | HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720   | Max. User Access        | 128 users   |
| Resolution                |   | Smart Phone             | iPhone, iPad, Android   |
|                           | VGA: 1920×1080, 1280×1024, 1280×720   | Interoperability        | ONVIF 2.4, SDK, CGI   |
| Decoding Capacity         | 1ch@8MP 30fps, 4ch@1080P 30fps  | Storage                 |   |
| Multi-screen Display      | 1/4   | Internal HDD            | 1 SATA III Port, up to 6TB capacity for each HDI  |
| OSD                       | Camera title, Time, Camera lock, Motion detection, Recording  | HDD Mode                | Single  |
| Recording                 |   | eSATA                   | N/A   |
| Compression               | H.265/H.264   | Auxiliary Interface     |   |
| Resolution                | 8MP/6MP/5MP/4MP/3MP/1080P/720P/D1&etc.  | USB                     | 2 ports (1 Rear USB2.0, 1 Front USB2.0)   |
| Record Rate               | 80Mbps  | RS232                   | N/A   |
| Bit Rate                  | 16Kbps ∼ 20Mbps Per Channel   | RS485                   | N/A   |
|                           |   | Electrical              |   |
| Record Mode               | Manual, Schedule(Regular(Continuous), MD, Stop  | Power Supply            | Single, DC48V/1.25A   |
| Record Interval           | 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec  | Power Consumption       | NVR: <5.3W (without HDD)  |
| Video Detection and Alarm |   | rower consumption       | PoE: Max 25.5w for single port, 50w in total  |
| Trigger Events            | Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips   | Environmental           |   |
| Video Detection           | Motion Detection, MD Zones: 396 (22 × 18),  | Operating Conditions    | -10°C~+55°C (+14°F~+131°F), 86~106kpa   |
|                           | and Tampering   | Storage Conditions      | -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH   |
| Alarm input               | N/A   | Construction            |   |
| Relay Output              | N/A   | Dimensions(W×D×H)       | Compact 1U, 260mm×224.9mm×47.6mm (10.2" x 8.9" x 1.9")  |
| Playback and Backup       |   | Net Weight              | 0.8kg (1.76 lb) (without HDD)   |
| Sync Playback             | 1/4   | Gross Weight            | 1.6kg(3.53 lb)(without HDD)   |
| Search Mode               | Time /Date, MD and Exact Search (accurate to second)  | Certifications          |   |
| Playback Function         | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next<br>File, Previous File, Next Camera, Previous Camera,<br>Full Screen, Shuffle, Backup Selection, Digital Zoom | CE                      | EN55032, EN55024, EN50130-4, EN60950-1  |
|                           |   | FCC                     | Part 15 Subpart B, ANSI C63.4-2014  |
| Backup Mode               | USB Device/Network  | UL                      | UL60950-1   |

# Lite Series | DHI-NVR2104HS-P-4KS2

| Ordering Information |                      |   |  |
|----------------------|----------------------|---|--|
| Туре                 | Part Number          | Description   |  |
| 4 Channel NVR        | DHI-NVR2104HS-P-4KS2 | 4 Channel Compact 1U 4PoE Lite<br>4K H.265 Network Video Recorder |  |
| Accessories          | N/A                  | N/A   |  |

#### **Rear Panel**



## Dimensions (mm)

