

# 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

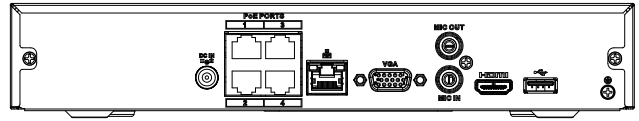
The Easy4ip app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access NVR devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere.

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

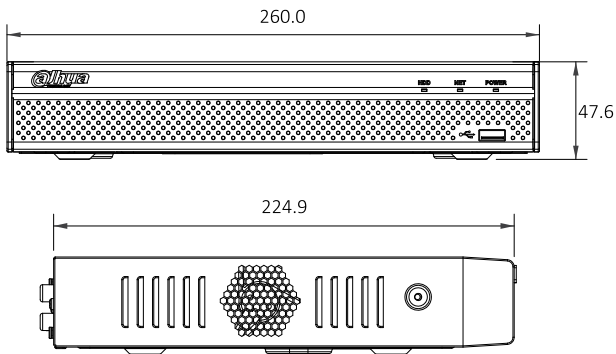
**Ordering Information**

Type	Part Number	Description
4 Channel NVR	DHI-NVR2104HS-P-4KS2	4 Channel Compact 1U 4PoE Lite 4K H.265 Network Video Recorder
Accessories	N/A	N/A

**Rear Panel**



**Dimensions (mm)**





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