

DHI-NVR2104/2108-4KS2

4/8 Channel Smart 1U 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



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.



Lite Series | DHI-NVR2104/2108-4KS2

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	1 Channel Input, 1 Channel Output, RCA	
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	
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)	
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.), Easy4ip	
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 6TB capacity for each HDD	
HDD Mode	Single	
eSATA	N/A	
Auxiliary Interface		
USB	2 ports (2 Rear USB2.0)	
RS232	N/A	
RS485	N/A	
Electrical		
Power Supply	Single, DC12V/2A	
Power Consumption	<3W (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(W×D×H)	Smart 1U, 204.6mm×204.6mm×45.6mm (8.1" x 8.1" x 1.8")	
Net Weight	0.45kg (0.99 lb) (without HDD)	
Gross Weight	1.5kg(3.31 lb)(without HDD)	
Certifications		
CE	EN55032, EN55024, EN50130-4, EN60950-1	
FCC	Part 15 Subpart B, ANSI C63.4-2014	
UL	UL60950-1	

Lite Series | DHI-NVR2104/2108-4KS2

Ordering Information			
Туре	Part Number	Description	
4 Channel NVR	DHI-NVR2104-4KS2	4 Channel Smart 1U Lite 4K H.265 Network Video Recorder	
8 Channel NVR	DHI-NVR2108-4KS2	8 Channel Smart 1U Lite 4K H.265 Network Video Recorder	
Accessories	N/A	N/A	

Dimensions (mm)





Rear Panel



