

DHI-NVR2108-8P-4KS2

8 Channel Smart 1U 8PoE 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, 8PoE 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.



System Main Focessor Deal-care embedded processor Philify party Speport Account more, Assp. More, Backers, Confo. Samurag, Samps, Sony, Widester, and more Operating System Cinimided UNUX Interface 1.94-55 port (15/00/2000Mps) Audio and Video Foce 1.94-55 port (15/00/2000Mps) For Camera Input 6 Charmel Poce 1.94-55 port (15/00/2000Mps) Display — The Sow Ay Talk 1.04 more Input, 1 Charmel Output, RCA Proficed Fibre Interface MAI Display — HINDM, 1 VGA Proficed Fibre Interface NA Multi- Sabo-2400, 1200-1000, 1200	Technical Specification		Third-party Support	
Main Processor Deal-concer embedded processor Network Samoung, Saryo, Sonry, Videotes, and nore Operating System Embedded UNUX Interface 1 81s 45 port (10/100/1000Mpp) Procener Input 8 Channel Interface 1 81s 45 port (10/100/1000Mpp) Tow oway Talk 1 Chemical Input, 1 Channel Output, RCA Proce 8 ports (181802 Aarl/file) Display 1 HDM, 1 VGA Optical Fiber Interface NA Resolution 1 MM, 1 March 2006, 12800-1020, 12800-	System			
Audio and Video IP Camera Input S Channel P OE R Ports (IESS02.3ar/yr) P OE R Ports (IESS02.3ar/yr) Network Function Note: Display Interface 1 HDMI, 1 VGA Resolution VGA: 1920-1080, 1280-1024, 128	Main Processor	Dual-core embedded processor	Third-party Support	
PoE Sports (BEB02, 34/a/a)	Operating System	Embedded LINUX	Network	
Network Function	Audio and Video		Interface	1 RJ-45 port (10/100/1000Mbps)
Display	IP Camera Input	8 Channel	PoE	8 ports (IEEE802.3at/af)
Display Picamera, DVR, NVS and exc., Easy-lip* Interface 1 HOMI, 1 VGA Optical Fiber Interface NA Resolution 1 MSW, 2960-2160, 1920-1080, 1280-1024, 1280-720 5 mart Phone 1280-720 Decoding Capacity 1 che 1920-1080, 1280-1024, 1280-720 5 mart Phone 1 brone, Psd, Android Decoding Capacity 1 che 98MP 30fps, 4 che/1920e7 90fps 5 to Tage Whith-screen Display 1 /4/8/9 1 mer and Ho D Mode 1 SATA III Port, up to 678 capacity for each HOD OSD Camera title, Time, Camera lock, Motion detection, Recording 4 mer and HoD Mode 5 mg/e Recording 4 mer and HoD Mode 5 ports (2 Rewr USS2.0) 6 mg/e Record Interval 8 MMpps 4 milliary Interface 4 milliary Interface Record Made 1 Modes 1 power (2 Rewr USS2.0) 1 mer and HoD Record Mode Manual, Schedule(Regular/Continuous), MD, Stop 4 power Supply N/A Record Interval 1 "120 min (default: 60 min), Pre-record. 1"30 sec 4 power Consumption 9 poet Supply 9 poet Myse. 2 Sew for single port, 80 win total Video Detection and Alarrian 1 mer minut	Two-way Talk	1 Channel Input, 1 Channel Output, RCA	Network Function	
HDML, 1 VGA	Display		rectwork runedon	
HDMR: 3404/2160, 1920-1080, 1280-1024, 128	Interface	1 HDMI, 1 VGA	Optical Fiber Interface	N/A
Smart Phone Phone, Pad, Android Phone Phone, Pad, Android Phone Phone, Pad, Android Phone	Resolution		Max. User Access	128 users
Decoding Capacity Loh@8MP 30fps, 4ch@1080P 30fps Storage Multi-screen Display JA/8/P Camera title, Time, Camera lock, Motion detection, Recording Recording Recording Compression H.265/H.264 Resolution 8MP/6MP/5MP/3MP/1080P/ 720P/ D18.etc. Record Rate 80Mbps Record Rate 10Kbps ~ 20Mbps Per Channel Bit Rate 10Kbps ~ 20Mbps Per Channel Record Interval 1-120 min (default: 50 min), Pre-record: 1-30 sec. Poser-cord: 10-300 sec Video Detection and Alarm Trigger Events Recording, PTZ, Tour, Video Push, Snapshot, and Screen Typs. Video Detection Motion Detection, MD Zones: 396 (22 x 18), and Tampering Alarm input N/A Relay Output N/A Relay Output N/A Search Mode 1/4 Search Mode 1/5 Pay-Pause, Stor, Revind, Fast play, Stow Play, Next, Prevings Camera, Previous Camera, Previo			Smart Phone	iPhone, iPad, Android
Multi-screen Display 1/4/8/9 Camera title, Time, Camera lock, Motion detection, Recording Recording Recording Compression H.265/H.264 Resolution 8MF/6MF/5MP/3MP/1080P/ 720P/ D18etc. Record Rate 80Mbps 8ME/6MP/5MP/3MP/1080P/ 720P/ D18etc. Record Rate 16Kbps ~ 20Mbps Per Channel Electrical Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Fost 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 x 18), and Tampering Alarm input N/A Relay Output N/A Relay Output N/A Playback and Backup Playback Function Time / Date, MD and Exact Search (accurate to second) Playback Function Play back Function LSS Device/Rebustor LSS Device/Reb		VGA: 1920×1080, 1280×1024, 1280×720	Interoperability	ONVIF 2.4, SDK, CGI
OSD Camera title, Time, Camera lock, Motion detection, Recording Recording Compression H.265/H.264 Resolution 8MP/6MP/5MP/3MP/1080P/720P/ D1&etc. Record Rate 80Mbps Bit Rate 16Kbps = 20Mbps Per Channel Bit Rate 16Kbps = 20Mbps Per Channel Record Mode Manual, Schedule/Regular(Continuous), MD, Stop Power Supply Single, DC48V/2A Record Interval 1°120 min (default: 50 min), Pre-record: 1°30 sec Post-record: 10°300 sec Post-record:	Decoding Capacity	1ch@8MP 30fps, 4ch@1080P 30fps	Storage	
Recording Recording Recording Resolution Resolution Resolution Record Rate Record Rate Record Rate Record Rate Record Mode Record Mode Record Interval Record Inter	Multi-screen Display	1/4/8/9	Internal HDD	1 SATA III Port, up to 6TB capacity for each HDD
Compression H.265/H.264 Resolution 8MP/6MP/SMP/AMP/3MP/1080P/720P/ D1&etc. Record Rate 80Mbps Bit Rate 16Kbps = 20Mbps Per Channel Electrical Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/2A Record Interval 1°120 min (default: 60 min), Pre-record: 1°30 sec, Post-record: 1°30	OSD		HDD Mode	Single
Resolution 8MP/6MP/5MP/4MP/3MP/1080P/720P/ D1&etc. Record Rate 80Mbps			eSATA	N/A
Resolution 8MP/6MP/5MP/1080P/720P/ D1&etc. Record Rate 80Mbps Bit Rate 16Kbps ~ 20Mbps Per Channel Electrical Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, Dc48V/2A Record Interval 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	Compression	H.265/H.264	Auxiliary Interface	
Record Rate 80Mbps RS485 N/A Bit Rate 16kbps ~ 20Mbps Per Channel Electrical Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/2A Record Interval 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec Post-recor	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/ 720P/ D1&etc.	USB	2 ports (2 Rear USB2.0)
Bit Rate 16Kbps ~ 20Mbps Per Channel Electrical Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/2A Record Interval P-120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec Power Consumption Power Consumption Poet: Max 25.5w for single port, 80w in total Trigger Events Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips 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) Smart 1U, 270mm×204.7mm×45.7mm (10.6° x 8.1" x 1.8") Playback and Backup Net Weight 0.65kg (1.43 lb) (without HDD) Playback 1/4 Gross Weight 1.8kg(3.97 lb) (without HDD) Search Mode Time /Date, MD and Exact Search (accurate to second) Play Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom FCC Part 15 Subpart B, ANSI C63.4-2014	Record Rate	80Mhns	RS232	N/A
Record Mode Manual, Schedule(Regular(Continuous), MD, Stop Power Supply Single, DC48V/2A NVR: <5.8W (without HDD) PoE: Max 25.5w for single port, 80w in total PoE: Max 20.5w for single port, 80w in to			RS485	N/A
Record Interval 1°120 min (default: 60 min), Pre-record: 1°30 sec, Post-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 Construction Relay Output N/A Poe: Max 25.5w for single port, 80w in total 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 Playback and Backup Net Weight O.65kg (1.43 lb) (without HDD) Search Mode Time /Date, MD and Exact Search (accurate to second) Play, Pause, Stop, Rewind, Fast play, Slow Play, Next Fiel, Previous File, Packyous File, Rackup Selection, Digital Zoom Poer Consumption NNR: <5.8W (without HDD) Poe: Max 25.5w for single port, 80w in total Environmental Storage 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 Smart 1U, 270mm×204.7mm×45.7mm (10.6° × 8.1° × 1.8") Playback and Backup Playback 1/4 Gross Weight 1.8kg(3.97 lb)(without HDD) Certifications Certifications CE ENS5032, ENS5024, ENS0130-4, EN60950-1 FILE, Previous File, Backup Selection, Digital Zoom FCC Part 15 Subpart B, ANSI C63.4-2014	Bit Rate	16Kbps ~ 20Mbps Per Channel	Electrical	
Video Detection and Alarm Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), and Tampering Alarm input N/A Construction N/A Construction Nelay Output N/A Playback and Backup Playback Image: Amage: Amag	Record Mode	Manual, Schedule(Regular(Continuous), MD, Stop	Power Supply	Single, DC48V/2A
Video Detection and Alarm Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), and Tampering Alarm input N/A Construction Relay Output N/A N/A Construction Nelay Output N/A Net Weight Net Weight Search Mode Time /Date, MD and Exact Search (accurate to second) Play, Pause, Stop, Rewind, Fast play, Slow Play, Next Full Screen, Shuffle, Backup Selection, Digital Zoom Play Back un Mode Backup Poe: Max 25.5w for single port, 80w in total Environmental Operating Conditions -10°C ~+55°C (+14°F ~+131°F), 86 ~ 106kpa Power And Screen Screen Conditions -20°C ~+70°C (-4°F ~+158°F), 0 ~ 90% RH Construction Smart 1U, 270mm×204.7mm×45.7mm (10.6° × 8.1" x 1.8") Net Weight O.65kg (1.43 lb) (without HDD) Certifications Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FIG. Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom FICC Part 15 Subpart B, ANSI C63.4-2014	Record Interval			NVR: <5.8W (without HDD)
Video Detection Motion Detection, MD Zones: 396 (22 × 18), and Tampering N/A Construction N/A Construction N/A Construction Dimensions(W×D×H) Playback and Backup Net Weight Search Mode Time /Date, MD and Exact Search (accurate to second) Playback Function Playback Function Playback Function Screen Tips Operating Conditions -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction Dimensions(W×D×H) Net Weight O.65kg (1.43 lb) (without HDD) Certifications Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FIG. Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom FCC Part 15 Subpart B, ANSI C63.4-2014	Video Detection and Alarm			PoE: Max 25.5w for single port, 80w in total
Video Detection Motion Detection, MD Zones: 396 (22 × 18), and Tampering Storage Conditions -20°C~+70°C (-4°F~+158°F), 0~90% RH Alarm input N/A Construction Playback and Backup Playback and Backup Playback 1/4 Gross Weight Certifications Certifications 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 Motion Detection, MD Zones: 396 (22 × 18), and Tampering Storage Conditions -20°C~+70°C (-4°F~+158°F), 0~90% RH Construction Smart 1U, 270mm×204.7mm×45.7mm (10.6" x 8.1" x 1.8") Net Weight 0.65kg (1.43 lb) (without HDD) Certifications Ce EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014	Trigger Events	- · · · · · · · · · · · · · · · · · · ·	Environmental	
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Relay Output N/A Dimensions(W×D×H) Smart 1U, 270mm×204.7mm×45.7mm (10.6" x 8.1" x 1.8") Playback and Backup Net Weight O.65kg (1.43 lb) (without HDD) Playback 1/4 Gross Weight 1.8kg(3.97 lb)(without HDD) Search Mode 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 PCC Part 15 Subpart B, ANSI C63.4-2014	Alama innut		Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Playback and Backup Net Weight O.65kg (1.43 lb) (without HDD) Playback 1/4 Gross Weight 1.8kg(3.97 lb)(without HDD) Search Mode 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 Net Weight O.65kg (1.43 lb) (without HDD) Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014	Alarm Input	N/A	Construction	
Playback 1/4 Gross Weight 1.8kg(3.97 lb)(without HDD) Search Mode Time /Date, MD and Exact Search (accurate to second) 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 1.8kg(3.97 lb)(without HDD) Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014	Relay Output	N/A	Dimensions(W×D×H)	
Search Mode Time /Date, MD and Exact Search (accurate to second) Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom Backup Mode IJSB Device/Network Gross Weight 1.8kg(3.97 lb)(without HDD) Certifications CE EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014	Playback and Backup		Net Weight	0.65kg (1.43 lb) (without HDD)
Play back 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 LISB Device/Network Ce EN55032, EN55024, EN50130-4, EN60950-1 FCC Part 15 Subpart B, ANSI C63.4-2014	Playback	1/4	Gross Weight	1.8kg(3.97 lb)(without HDD)
Playback Function File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom FCC Part 15 Subpart B, ANSI C63.4-2014 Backup Mode LISB Device/Network	Search Mode		Certifications	
Full Screen, Shuffle, Backup Selection, Digital Zoom FCC Part 15 Subpart B, ANSI C63.4-2014 Backup Mode USB Device/Network	Playback Function	File, Previous File, Next Camera, Previous Camera,	CE	EN55032, EN55024, EN50130-4, EN60950-1
Backup Mode USB Device/Network UL UL60950-1			FCC	Part 15 Subpart B, ANSI C63.4-2014
	Backup Mode	USB Device/Network	UL	UL60950-1

Lite Series | DHI-NVR2108-8P-4KS2

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







