

# DHI-NVR2108HS-8P-4KS2

8 Channel Compact 1U 1HDD 8PoE Lite 4K H.265 Network Video Recorder



- Smart H.265+/Smart H.264+/H.265/H.264
- 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











# **Series 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**

#### SMD Plus by Camera

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

### **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.

### **Smart Codec**

With advanced scene-adaptive rate control algorithm, Dahua smart codec technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

# ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to device and then recorded in it.

### DMS

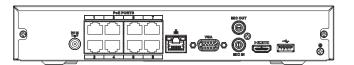
The DMSS app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access back-end devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere.

Technical Specification		Third-party Support		
System		Third-party Support	Onvif, RTSP	
Main Processor	Dual-core embedded processor	Network		
Operating System	Embedded LINUX	Interface	1 RJ-45 port (10/100/1000Mbps)	
Audio and Video		PoE	8 ports (IEEE802.3at/af)	
IP Camera Input	8 Channel	FOL	HTTP/HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, NTP,	
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	Network Function	DHCP, DNS, IP Filter, DDNS, IP Search(Support Dahua IP camera, DVR, NVS and etc.), P2P	
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	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	Storage	
Multi-screen Display	1/4/8/9	Internal HDD	1 SATA III port, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature	
OSD	Camera title, Time, Camera lock, Motion detection, Recording	HDD Mode	Single	
Recording		eSATA	N/A	
Compression	Smart H.265+/H.265/Smart H.264+/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	
	Manual, Schedule (Continuous, MD (Motion	Electrical		
Record Mode	Detection), Alarm, IVS)  1~120 min (default: 60 min), Pre-record: 1~30 sec,	Power Supply	Single, DC48V/2A	
Record Interval	Post-record: 10~300 sec	Power Consumption	NVR: <5.8W (without HDD)	
Video Detection and Alarm			PoE: Max 25.5w for single port, 80w in total	
Trigger Events	Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips	Environmental		
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), and Tampering	Operating Conditions	-10°C to +55°C (+14°F to +131°F), 86–106kpa	
Alarm input	N/A	Storage Conditions	0°C to +40°C (+32°F to +104°F), 30–85% RH	
Relay Output	N/A	Construction	Compact 111 200 mm v 224 0 mm v 47 0 mm	
Playback and Backup	N/A	Dimensions(W×D×H)	Compact 1U, 260 mm × 224.9 mm × 47.6 mm (10.2" × 8.9" × 1.9")	
		Net Weight	0.8 kg (1.76 lb) (without HDD)	
Sync Playback	1/4	Gross Weight	1.6 kg (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 File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom	CE	EN55032, EN55024, EN50130-4, EN60950-1	
Backup Mode	USB Device/Network	FCC	Part 15 Subpart B, ANSI C63.4-2014	
Sacrap Would	Series, receiving	UL	UL60950-1	

# Lite Series | DHI-NVR2108HS-8P-4KS2

Ordering Information			
Туре	Part Number	Description	
8 Channel NVR	DHI-NVR2108HS-8P-4KS2	8 Channel Compact 1U 8PoE Lite 4K H.265 Network Video Recorder	
Accessories	N/A	N/A	

# **Rear Panel**



# Dimensions (mm)

