

DHI-NVR2104HS-P-S3

4 Channel Compact 1U 1HDD 4PoE Network Video Recorder



- · Smart H.265+/H.265/Smart H.264+/H.264 decoding format
- Max. decoding capability: 6 × 1080p@30 fps. Supports adaptive decoding
- · AI by camera: perimeter protection, and SMD Plus
- Connected to the third-party network cameras
- Security baseline 2.1

Series Overview

Dahua Lite series NVR is easy to install, cost effective and compatible with a wide variety of third-party devices, providing a great solution for small and medium surveillance systems. It is ideal for home safety, supermarkets, warehouses, educational institutions, and financial institutions.

Functions

Perimeter Protection by Camera

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improves alarm accuracy.

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.

AI Search

With AI search, operators can search for videos by the attributes of targets and event types, which helps them to quickly and efficiently investigate where and when targets appeared and events took place.

Technical SpecificationSystem

Main Processor	Industrial-grade embedded processor	
Operating System	Embedded Linux	
Operating Interface	Web; Local GUI	
Al		

AI by Camera

Perimeter Protection

Perimeter Performance of AI by Camera (Number of Channels)
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Perimeter protection; SMD Plus

SMD Plus

SMD Plus by Camera	4-channel SMD Plus (AI by camera), secondary filtering for human and motor vehicle SMD Plus, reducing false alarms caused by leaves, rain and lighting condition change
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Audio and Video

Access Channel	4 channels	
Network Bandwidth	Access: 80 Mbps; Storage: 80 Mbps; Forward: 60 Mbps	
Resolution	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1	
Decoding Capability	1-channel 12MP@30 fps; 1-channel 8MP@30 fps; 2-channel 5MP@30 fps; 3-channel 4MP@30 fps; 6-channel 1080p@30 fps	
Video Output	$1 \times VGA$, $1 \times HDMI$ (simultaneous)	
Multi-screen Display	1, 4 views	
Third-party Camera Access	Onvif	

Compression Standard

Video Compression	Smart H.265; H.265; Smart H.264; H.264	
Audio Compression	PCM; G711A; G711U; G726	

Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; DDNS; Alarm Server; IP Search (Supports Dahua IP camera, DVR, NVS, etc.); P2P	
Mobile Phone Access	Android; iOS	
Interoperability	ONVIF (profile T/S/G); CGI; SDK	
Browser	Chrome; IE 9 or later; Firefox	

Recording Playback

Multi-channel Playback	Up to 4 channels		
Record Mode	Manual record; alarm record; motion detection record; schedule record		
Storage Method	Local HDD and network		
Backup Method	USB device		
Playback Function	Play; pause; stop; fast forward; fast backward; rewiplay by frame Full screen; backup (video clip/file); partially zom in audio on/off		

Alarm

General Alarm	Motion detection; privacy masking; video loss; PIR alarm	
Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; cyber security exception	
Intelligent Alarm	Perimeter protection; SMD Plus	
Alarm Linkage	Recording; snapshot; buzzer; log; preset; email; tour	

Port

Audio Input	1	
Audio Output	1	
HDD Interface	1 SATA port, up to 16 TB. The maximum HDD capacity varies with environment temperature	
USB	1 front USB 2.0 port, 1 rear USB 2.0 port	
HDMI	1	
VGA	1	
Network Port	$1 \times \text{RJ-45}$, 10/100 Mbps self-adaptive Ethernet port	
PoE Port	4 × PoE ports, 10/100 Mbps	

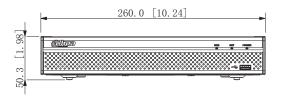
General

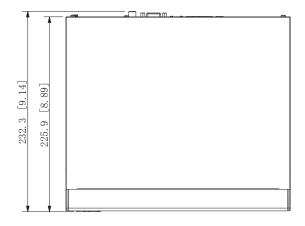
Power Supply	48/53 VDC, 1.25/1.13 A		
Power Consumption	Total output of NVR is ≤ 10 W (without HDD) Total output power of PoE is 36 W, the maximum output power of a single port is 25.5 W		
Net Weight	0.85 kg (1.87 lb)		
Gross Weight	1.75 kg (3.86 lb)		
Product Dimensions	260 mm × 232.7 mm × 47.6 mm (10.24" × 9.16" × 1.87" (W × L × H)		
Packaging Dimensions	117 mm × 373 mm × 307 mm (4.61" × 14.69" × 12.09") (W × L × H)		
Operating Temperature	−10 °C to +55 °C (14 °F to +131 °F)		
Operating Humidity	10%–93% (RH)		
Installation	Rack or desktop		

CE: EN62368-1; EN55032; EN55024; EN55035; EN61000-Certifications 3-2; EN61000-3-3; EN50130-4 FCC: Part 15 Subpart B

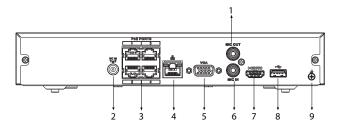
Ordering Information			
Туре	Model	Description	
4 Channel NVR	DHI-NVR2104HS- P-S3	4 Channel Compact 1U 1HDD 4PoE Network Video Recorder	

Dimensions (mm[inch])





Panels



- 1 AUDIO OUT, RCA Connector
- 3 PoE Ports
- 5 VGA Port
- 7 HDMI Port
- 9 Ground
- 2 Power Input
- 4 Network Port
- 6 AUDIO IN, RCA Connector
- 8 USB Port