

DHI-NVR2108-8P-S3

8 Channel Smart 1U 1HDD 8PoE 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

Technical Specification

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.

System			
Main Processor	Industrial-grade embedded processor		
Operating System	Embedded Linux		
Operating Interface	Web; Local GUI		
AI			
AI by Camera	Perimeter protection; SMD Plus		
Perimeter Protection			
Perimeter Performance of Al by Camera (Number of Channels)	4		
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		
Audio and Video			
Access Channel	8 channels		
Network Bandwidth	Access: 80 Mbps; Storage: 80 Mbps; Forward: 60 Mbps		
	······································		
Resolution	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1		
Resolution Decoding Capability			
	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1 1-channel 12MP@30 fps; 1-channel 8MP@30 fps; 2-channel 5MP@30 fps; 3-channel 4MP@30 fps;		
Decoding Capability	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1 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		
Decoding Capability Video Output	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1 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 1 × VGA, 1 × HDMI (simultaneous)		
Decoding Capability Video Output Multi-screen Display Third-party Camera	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1 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 1 × VGA, 1 × HDMI (simultaneous) 1, 4, 8, 9 views Onvif		
Decoding Capability Video Output Multi-screen Display Third-party Camera Access	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1 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 1 × VGA, 1 × HDMI (simultaneous) 1, 4, 8, 9 views Onvif		
Decoding Capability Video Output Multi-screen Display Third-party Camera Access Compression Standar	12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1 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 1 × VGA, 1 × HDMI (simultaneous) 1, 4, 8, 9 views Onvif		

Lite Series | DHI-NVR2108-8P-S3

Network

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 8 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; rewind; play 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		

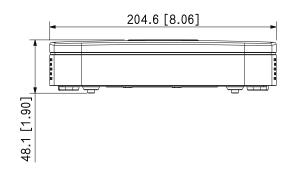
HDD Interface	1 SATA port, up to 16 TB. The maximum HDD capacity varies with environment temperature		
USB	2 rear USB 2.0 ports		
HDMI	1		
VGA	1		
Network Port	1 × RJ-45, 10/100 Mbps self-adaptive Ethernet port		
PoE Port	8 × PoE ports, 10/100 Mbps		
General			
Power Supply	48/53 VDC, 2/1.8 A		
Power Consumption	Total output of NVR is ≤ 10 W (without HDD) Total output power of PoE is 72 W, the maximum output power of asingle port is 25.5 W		
Net Weight	0.65 kg (1.43 lb)		
Gross Weight	1.71 kg (3.77 lb)		
Product Dimensions	270 mm × 206.3 mm × 47.5 mm (10.63" × 8.12" × 1.87") (W × L × H)		
Packaging Dimensions	96 mm × 427 mm × 262 mm (3.78" × 16.81" × 10.31") (W × L × H)		
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)		
Operating Humidity	10%-93% (RH)		
Installation	Rack or desktop		

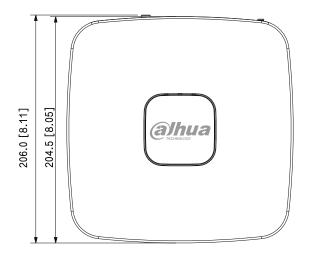
Certifications

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

Ordering Information				
Туре	Model	Description		
8 Channel NVR	DHI-NVR2108- 8P-S3	8 Channel Smart 1U 1HDD 8PoE Network Video Recorder		

Dimensions (mm[inch])





Lite Series | DHI-NVR2108-8P-S3

