

DHI-NVR2108-S3

8 Channel Smart 1U 1HDD Network Video Recorder



- Smart H.265+/H.265/Smart H.264+/H.264 decoding format
- Max. decoding capability: 6×1080 p@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 Specification		
System		
Main Processor	Industrial-grade embedded processor	
Operating System	Embedded Linux	
Operating Interface	Web; Local GUI	
AI		
Al by Camera	Perimeter protection; SMD Plus	
Perimeter Protection		
Perimeter Performance of AI 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	
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, 8, 9 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

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; rewin 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

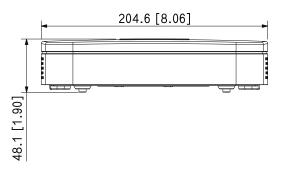
Audio Input	1	
Audio Output	1	
HDD Interface	1 SATA port, up to 16 TB. The maximum HDD capacity varies with environment temperature	
USB	2 rear USB 2.0 ports	
HDMI	1	
VGA	1	
Network Port	1 × RJ-45, 10/100 Mbps self-adaptive Ethernet port	

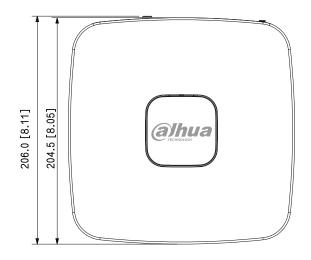
General

Power Supply	12 VDC, 1.5 A	
Power Consumption	Total output of NVR is ≤ 10 W (without HDD)	
Net Weight	0.42 kg (0.93 lb)	
Gross Weight	1.03 kg (2.27 lb)	
Product Dimensions	204.6 mm \times 206.4 mm \times 45.6 mm (8.06" \times 8.13" \times 1.80") (W \times L \times H)	
Packaging Dimensions	96 mm × 364 mm × 261 mm (3.78" × 14.33" × 10.28") (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	

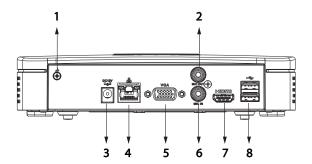
Ordering Information		
Туре	Model	Description
8 Channel NVR	DHI-NVR2108-S3	8 Channel Smart 1U 1HDD Network Video Recorder

Dimensions (mm[inch])





Panels



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