

# **DHI-NVR2104-S3**

## 4 Channel Smart 1U 1HDD 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.

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

### 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 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	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. 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

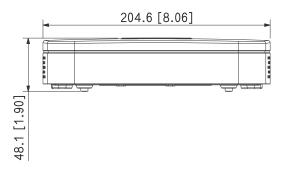
Audio Input	1	
Audio Output	1	
HDD Interface	1 SATA port, up to 16 TB. The maximum HDD capacity varies with environment temperature	
USB	2 rear USB 2.0 ports	
HDMI	1	
VGA	1	
Network Port	1 × RJ-45, 10/100 Mbps self-adaptive Ethernet port	

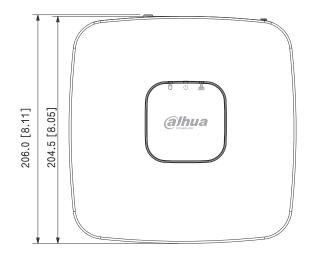
#### General

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	

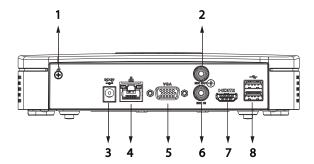
Ordering Information		
Туре	Model	Description
4 Channel NVR	DHI-NVR2104-S3	4 Channel Smart 1U 1HDD Network Video Recorder

# 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