

DHI-N220104-4KS4

4CH Smart 1U 1HDD Lite + Network Video Recorder



Series Overview

The NVR22-4KS4 model of the Lite + Series NVR is favored for its outstanding performance. It supports 4K resolution for scenes that require highly detailed images, and can serve as the edge, central, or backup storage with an intuitive shortcut menu for remote management and control. This NVR also features Smart Motion Detection (SMD) by recorder, which can distinguish target vehicles and humans from ordinary ones in real-time. This NVR is both cost-effective and easy-to-install, making it ideal for a wide range of applications such as villas, shops and other small and medium-sized scenes.

Functions

SMD Plus

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.

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.

- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- Max. decoding capability: 6 × 1080p@30 fps.
- Max. 80/80/60 Mbps incoming/recording/outgoing bandwidth.
- Supports IP cameras with a resolution up to 12 MP.
- AI by Recorder supports 4-channel SMD Plus.
- Al by Camera supports perimeter protection and SMD Plus.
- Supports one-click arming and disarming.



Technical Specification

System		
Main Processor	Industrial-grade processor	
Operating System	Embedded Linux	
Operating Interface	Web, Local GUI	
AI		
AI by Recorder	SMD Plus	
AI by Camera	Perimeter protection; SMD Plus	
Perimeter Protection		
Perimeter Performance of AI by Camera (Number of Channels)	4 channels	
SMD Plus		
SMD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change	
SMD Plus by Camera	4 channels	
Audio and Video		
Access Channel	4 channels	
Network Bandwidth	80 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing	
Resolution	12 MP; 8 MP; 5 MP; 4 MP; 3 MP; 1080p; 720p; D1	
Decoding Capability	Al disabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4 MP@30 fps; 6-channel 1080p@30 fps Al enabled: 1-channel 8 MP@30 fps; 1-channel 5 MP@30 fps; 2-channel 4 MP@30 fps; 4-channel 1080p@30 fps	

NVR22-4KS4 Series DHI-N220104-4KS4

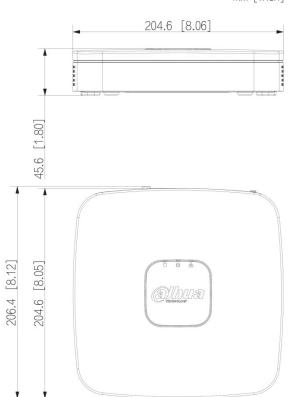
	1 HDMI, 1 VGA			
Video Output	HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720			
Multi-screen Display	1/4			
Third-party Camera Access	ONVIE			
Compression Standa	rd			
Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG			
Audio Compression	G.711a; G.711u; PCM; G726;			
Network				
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; IPv6; UDP; NTP; DHCP; DNS; SMTP; IP Filter; DDNS; IP Search (Supports IP camera, DVR, NVS, etc.); P2P; Auto Registration			
Mobile Phone Access	iOS; Android			
Interoperability	ONVIF 22.12(Profile T; Profile S; Profile G); CGI; SDK			
Browser	Chrome; IE; Safari; Edge; Firefox			
Recording Playback				
Multi-channel Playback	Up to 4 channels			
Record Mode	General, motion detection; intelligent; alarm			
Backup Method	USB device and network			
Playback Mode	Instant playback; general playback; event playback; tag playback; smart playback			
Alarm				
General Alarm	Motion detection; camera external alarm; PIR alarm			
Anomaly Alarm	Error (no disk, disk error, low space, low quota space; network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline			
Intelligent Alarm	Perimeter protection; SMD Plus			
Alarm Linkage	Recording; snapshot; buzzer; log; preset; email; tour			
Port				
Audio Input	1-channel RCA			
Audio Output	1-channel RCA			
Alarm Input	NA (2 channels are optional)			
Alarm Output	NA (1-channel 12 V 1 A output is optional)			
HDD Interface	1 SATA port. Each disk can contain up to 20 TB. this limit varies depending on the environment temperature.			
USB	2 (2 rear USB 2.0 ports)			
HDMI	1			
VGA	1			
Network Port	1 (10/100 Mbps Ethernet port, RJ-45)			
General				
Power Supply	12 VDC, 1.5 A			
Power Consumption	<10 W (without HDD)			
Net Weight	0.45 kg (0.99 lb)			
Gross Weight	1.05 kg (2.31 lb)			

Product Dimensions	204.6 mm x 206.4 mm x 45.6 mm(8.06" x 8.12" x 1.80") (W x D x H)		
Packaging Dimensions	364.0 mm × 96.0 mm × 261.0 mm(14.33" × 3.78" × 10.28")(W × D × H)		
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)		
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)		
Operating Humidity	10%–93% (RH), non-condensing		
Installation	Rack or desktop		
Certifications	CE-LVD: IEC 62368-1:2014 CE-EMC: EN IEC 61000-3- 2:2019, EN 61000-3-3:2013+A1:2019, EN 55032:2015+A11:2020, EN 55035:2017+A11:2020, EN 55024:2010+A1:2015, EN 50130-4:2011+A1:2014		

Ordering Information

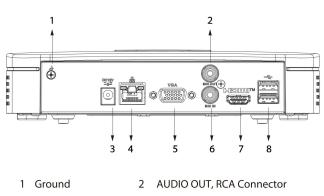
Туре	Model	Description
NETWORK VIDEO RECORDER	DHI-N220104-4KS4	4CH Smart 1U 1HDD Lite + Network Video Recorder

Dimensions (mm[inch])



NVR22-4KS4 Series | DHI-N220104-4KS4





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

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