

DHI-NVR4204-P-4KS3

4CH 1U 4PoE 2HDDs Lite Network Video Recorder



Series Overview

The NVR4000-4KS3 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. When an IPC is connected to the NVR, a variety of AI functions become available such as face detection, perimeter protection, and people counting. This NVR is both cost-effective and easy-to-install, making it ideal for a wide range of applications such as for cities, transportation, education and finance.

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.

Face Detection by Camera

Face detection is to detect if there is any human face appearing in the video. This technology adopts a deep learning algorithm to support face detection, tracking, optimization and capturing, and then output the best face snapshot.

Face Recognition by Camera

Dahua Face Recognition technology extracts the features of captured faces and compares them with that in face database.

- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- Max. decoding capability: 8 x 1080p@30 fps or 4 x 4 MP@30 fps.
- · Max. 80/80/60 Mbps incoming/recording/outgoing bandwidth.
- Supports IP cameras with a resolution up to 12 MP.
- · Al by Recorder supports 4-channel SMD Plus.
- Al by Camera supports face detection and recognition, perimeter protection, SMD Plus, people counting, stereo analysis and heat man
- · Supports EPTZ, and one-click arming and disarming.















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.

Stereo Analysis by Camera

With deep learning algorithm and 3-dimensional scene information, Dahua Stereo Analysis technology can recognize people's behaviors, such as fall detection, violence detection, stay detection, and space exception, and then generates alarm signals and triggers linkage.

Heat Map by Camera

Dahua heat map technology is used to display the crowd density and people appearance probability. Export and display the crowd status by different colors. Generally, the crowd status is the statistics of people quantity in space and time dimensions.

echnical Specification	n		Compression Standa
			Video Compression
System Main Processor	Industrial-grade processor		Audio Compression
	Embedded Linux		Network
Operating Interface	Web, Local GUI		Network Protocol
Al	CLAD DI		Mobile Phone Access
·	SMD Plus Face detection: face recognition: perimeter protection:		Interoperability
i ny camera	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map		Browser
Perimeter Protection			Recording Playback
erimeter Performance of Il by Camera (Number of	A channels		Multi-channel Playback
Channels)	4 channels	Record Mode	
Face Detection			Backup Method
ace Affributes	Gender; age group; glasses; expressions; face mask; beard		Playback Mode
Face Detection Performance of AI by Camera (Number of Channels)			Storage
	4 channels		Disk Group
Face Recognition			Alarm
ace Recognition			General Alarm
erformance of AI by	4 channels		Anomaly Alarm
SMD Plus			Intelligent Alarm
MD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change		Alarm Linkage
MD Plus by Camera	4 channels		Port
Audio and Video			Audio Input
ccess Channel	4 channels		Audio Output
	80 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing		Alarm Input
	12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p;		Alarm Output
esolution	720p; D1; CIF; QCIF Al disabled: 1-channel 12 MP@30 fps; 2-channel 8		HDD Interface
	MP@30 fps; 3-channel 5 MP@30 fps; 4-channel 4 MP@30 fps		USB
ecoding Capability	Al enabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4 MP@30 fps		HDMI
			VGA
	1 HDMI, 1 VGA Simultaneous: HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720		Network Port
Video Output			PoE Port
	VGA: 1920 x 1080, 1280 x 1024, 1280 x 720 Heterogeneous:		General
	HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720		Power Supply
Aulti-screen Display	Main Screen: 1/4 Sub Screen: 1/4		Power Consumption
nira-narry (amera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon;		Net Weight
nira-narry (amera Access	Hanwha		Net Weight

NVR4000-4KS3 Series | DHI-NVR4204-P-4KS3

Gross Weight	2.95 kg (6.50 lb)	
Product Dimensions	375.0 mm \times 282.9 mm \times 53.0 mm (14.76" \times 11.14" \times 2.09") (W \times D \times H)	
Packaging Dimensions	433.0 mm x 141.0 mm x 366.0 mm (17.05" x 5.55" x 14.41") (W x D x 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-EMC: EN 55032:2015+A1:2020; EN IEC 61000-3- 2:2019+A1:2021; EN 61000-3- 3:2013+A1:2019+A2:2021; EN 55035:2017+A11:2020; EN 50130-4:2011+A1:2014 CE-LVD: EN 62368-1:2014	

Ordering Information				
Туре	Model	Description		
NETWORK VIDEO RECORDER	DHI-NVR4204-P-4KS3	4CH 1U 4PoE 2HDDs Lite Network Video Recorder		

Dimensions (mm[inch])



