

DHI-NVR2116HS-4KS3

16CH Compact 1U 1HDD Lite Network Video Recorder



- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- · Max. decoding capability: 6 × 1080p@30 fps.
- · Max. 144/144/72 Mbps incoming/recording/outgoing bandwidth.
- · Supports IP cameras with a resolution up to 12 MP.
- · Al by Recorder supports 4-channel SMD.
- · Al by Camera supports perimeter protection and SMD.
- · Supports one-click arming and disarming.







Series Overview

The NVR2000-4KS3 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. This NVR is both costeffective 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 ilter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

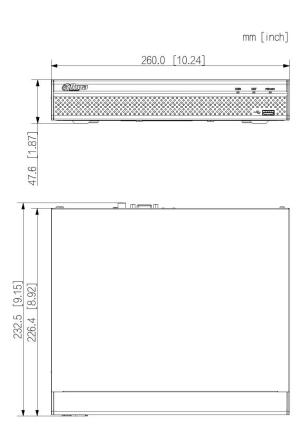
Perimeter Protection by Camera

Automatically ilters out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improves alarm accuracy.

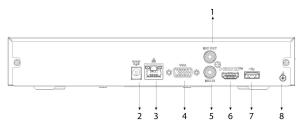
Technical Specification System		
Main Processor	Industrial-grade processor	Record Mod
perating System	Embedded Linux	Backup Method
perating Interface	Web, Local GUI	Playback Mode
AI	web, Escal Gol	
AI by Recorder	SMD	Alarm
Al by Camera	Perimeter protection; SMD	General Alarm
Perimeter Protection	refined protection, swib	Anomaly Alarm
Perimeter Performance of Al by Camera (Number of	All channels (4 targets/s)	Intelligent Alarm
Channels)		Alarm Linkage
SMD Plus		Port
SMD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and	Audio Input
	lighting condition change	Audio Output
SMD Plus by Camera	All channels (8 targets/s)	Alarm Input
Audio and Video		Alarm Output
Access Channel	16 channels	Disk Interface
Network Bandwidth	Al disabled: 144 Mbps incoming, 144 Mbps recording and 72 Mbps outgoing Al enabled: 72 Mbps incoming, 72 Mbps recording and 36 Mbps outgoing	USB
		HDMI
Resolution	12 MP;8 MP;6 MP;5 MP;4 MP;3	VGA
Resolution	MP;1080p;720p;960p;D1;CIF;QCIF	Network Port
	Al disabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 6 MP@30 fps; 2-channel	General
Decoding Capability	5 MP@30 fps; 3-channel 4 MP@30 fps; 6-channel 1080p@30 fps	Power Supply
becouning capability	Al enabled: 1-channel 8 MP@30 fps; 1-channel 6	Power Consumption
	MP@30 fps; 1-channel 5 MP@30 fps; 2-channel 4 MP@30 fps; 4-channel 1080p@30 fps	Net Weight
	1 HDMI, 1 VGA	Gross Weight
Video Output	HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	Product Dimensions
Multi-screen Display	1/4/8/9/16	Packaging Dimensions
Third-party Camera Access	ONVIF	Operating Temperature
Compression Standar		Storage Temperature
Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	Operating Humidity
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	Certifications
Mobile Phone Access	iOS; Android	
Interoperability	ONVIF 23.12(Profile T; Profile S; Profile G); CGI; SDK	
Browser	Chrome; IE; Safari; Edge; Firefox	

Ordering Information				
Туре	Model	Description		
NETWORK VIDEO RECORDER	DHI-NVR2116HS-4KS3	16CH Compact 1U 1HDD Lite Network Video Recorder		

Dimensions (mm[inch])



Panels



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