

DHI-NVR2116-4KS3

16CH Smart 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.

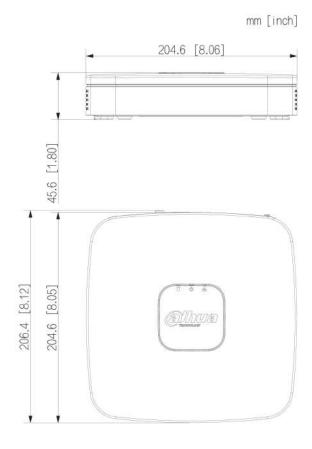
Technical Specification		Recording Playback	
System		Multi-channel Playback	Up to 16 channels
Main Processor	Industrial-grade processor	Record Mode	General, motion detection; intelligent; alarm
Operating System	Embedded Linux	Backup Method	USB device and network
Operating Interface	Web, Local GUI	Playback Mode	Instant playback; general playback; event playbac playback; smart playback
AI		Alarm	
Al by Recorder	SMD	General Alarm	Motion detection; camera external alarm; PIR ala
AI by Camera	Perimeter protection; SMD		Error (no disk, disk error, low space, low quota sp
Perimeter Protection		Anomaly Alarm	network disconnection; IP conflict; MAC conflict) loss; video tampering; camera offline
Perimeter Performance of Al by Camera (Number of	All channels (4 targets/s)	Intelligent Alarm	Perimeter protection; SMD Plus
Channels)		Alarm Linkage	Recording; snapshot; buzzer; log; preset; email; t
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	1-channel RCA
	lighting condition change	Audio Output	1-channel RCA
SMD Plus by Camera	All channels (8 targets/s)	Alarm Input	NA (2 channels are optional)
Audio and Video		Alarm Output	NA (1-channel 12 V 1 A output is optional)
Access Channel	16 channels	Disk Interface	1 SATA port. Each disk can contain up to 20 TB. the varies depending on the environment temperature.
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	2 (2 rear USB 2.0 ports)
		HDMI	1
Resolution	12 MP;8 MP;6 MP;5 MP;4 MP;3	VGA	1
	MP;1080p;720p;960p;D1;CIF;QCIF	Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)
Decoding Capability	Al disabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 6 MP@30 fps; 2-channel	General	
	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 6 MP@30 fps; 1-channel 5 MP@30 fps; 2-channel 4 MP@30 fps; 4-channel 1080p@30 fps	Power Supply	12 VDC, 1.5 A
		Power Consumption	<10 W (without HDD)
		Net Weight	0.45 kg (0.99 lb)
Video Output	1 HDMI, 1 VGA HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 ×	Gross Weight	1.05 kg (2.31 lb)
	720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	Product Dimensions	204.6 mm × 206.4 mm × 45.6 mm(8.06" × 8.12" 1.80") (W × D × H)
Multi-screen Display	1/4/8/9/16	Packaging Dimensions	364.0 mm × 96.0 mm × 261.0 mm(14.33" × 3.78' 10.28")(W × D × H)
Third-party Camera Access	ONVIF	Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)
Compression Standard		Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	Operating Humidity	10%–93% (RH), non-condensing
Audio Compression	G.711a; G.711u; PCM; G726;		CE-LVD: IEC 62368-1:2014
Network Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; IPv6; UDP; NTP; DHCP; DNS; SMTP; IP Filter; DDNS; IP Search (Supports IP camera,	Certifications	CE-EMC: EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 55032:2015+A11: EN 55035:2017+A11:2020, EN 55024:2010+A1:2 EN 50130-4:2011+A1:2014
Mobile Phone Access	DVR, NVS, etc.); P2P; Auto Registration		
Mobile Phone Access	iOS; Android		
Interoperability	ONVIF 23.12(Profile T; Profile S; Profile G); CGI; SDK		

Ordering Information Type Model Description NETWORK VIDEO DHI-NVR2116-4KS3 16CH Smart 1U 1HDD Lite

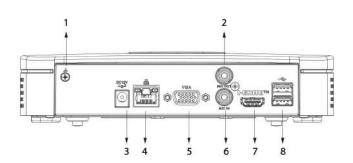
Network Video Recorder

Dimensions (mm[inch])

RECORDER



Panels



- 1 Ground
- ut
- 3 Power Input5 VGA Port
- 7 HDMI Port
- 2 AUDIO OUT, RCA Connector
- 4 Network Port
- 6 AUDIO IN, RCA Connector
- 8 USB Ports