

HiView Network Video Recorder

16 Channel NVR

NVR 2116HS-4KS3



Key Feature

- > 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.
- > AI by Recorder supports 4-channel SMD.
- > AI 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 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.

SMD Plus

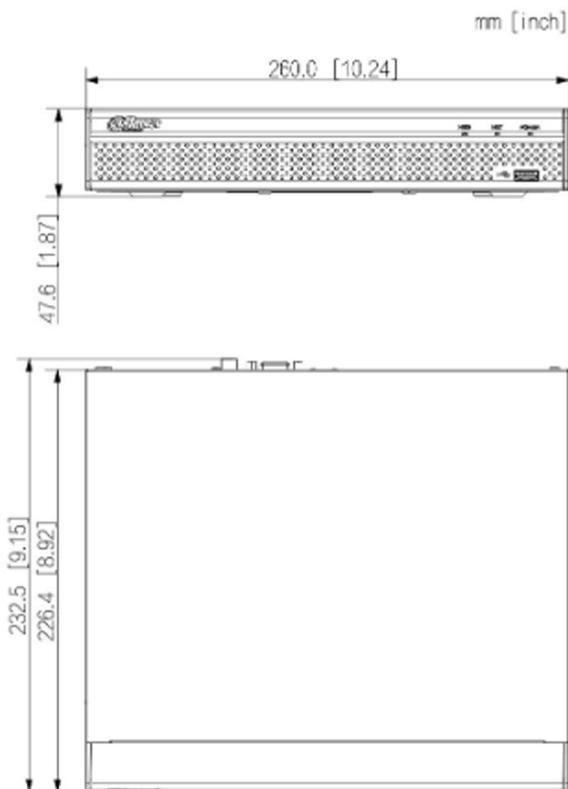
With intelligent algorithm, Hiview Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

Perimeter Protection by Camera

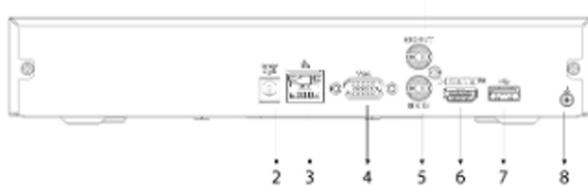
Automatically filters out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improves alarm accuracy

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 playback; tag playback; smart playback
AI		Alarm	
AI by Recorder	SMD	General Alarm	Motion detection; camera external alarm; PIR alarm
AI by Camera	Perimeter protection; SMD	Anomaly Alarm	Error (no disk, disk error, low space, low quota space; network disconnection; IP conflict; MAC conflict); video loss; video tampering; camera offline
Perimeter Protection		Intelligent Alarm	Perimeter protection; SMD Plus
Perimeter Performance of AI by Camera (Number of Channels)	All channels (4 targets/s)	Alarm Linkage	Recording; snapshot; buzzer; log; preset; email; tour
SMD Plus		Port	
SMD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change	Audio Input	1-channel RCA
SMD Plus by Camera	All channels (8 targets/s)	Audio Output	1-channel RCA
Audio and Video		Alarm Input	NA (2 channels are optional)
Access Channel	16 channels	Alarm Output	NA (1-channel 12 V 1 A output is optional)
Network Bandwidth	AI disabled: 144 Mbps incoming, 144 Mbps recording and 72 Mbps outgoing	Disk Interface	1 SATA port. Each disk can contain up to 20 TB, this limit varies depending on the environment temperature.
	AI enabled: 72 Mbps incoming, 72 Mbps recording and 36 Mbps outgoing	USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
Resolution	12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 720p; 960p; D1; CIF; QCIF	HDMI	1
		VGA	1
Decoding Capability		Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)
Video Output		General	
Multi-screen Display	1 HDMI, 1 VGA	Power Supply	12 VDC, 1.5 A
	HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720	Power Consumption	<10 W (without HDD)
Third-party Camera Access	VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	Net Weight	0.85 kg (1.87 lb)
		Gross Weight	1.39 kg (3.06 lb)
Compression Standard		Product Dimensions	260.0 mm × 232.5 mm × 47.6 mm (10.24" × 9.15" × 1.87") (W × D × H)
Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	Packaging Dimensions	334.0 mm × 89.0 mm × 314.0 mm (13.15" × 3.50" × 12.36") (W × D × H)
Audio Compression	G.711a; G.711u; PCM; G726;	Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)
Network		Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
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	Operating Humidity	10%–93% (RH), non-condensing
Mobile Phone Access	iOS; Android	Compression Standard	
Interoperability	ONVIF 23.12(Profile T; Profile S; Profile G); CGI; SDK	Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG
Browser	Chrome; IE; Safari; Edge; Firefox	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	Mobile Phone Access	iOS; Android
Interoperability	ONVIF 23.12(Profile T; Profile S; Profile G); CGI; SDK	Interoperability	ONVIF 23.12(Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE; Safari; Edge; Firefox	Browser	Chrome; IE; Safari; Edge; Firefox

Dimensions (mm[inch])



Panels



1	AUDIO OUT, RCA Connector	2	Power Input
3	Network Port	4	VGA Port
5	AUDIO IN, RCA Connector	6	HDMI Port
7	USB Port	8	Ground