Functions

NVR4000-4KS2 network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. This professional NVR adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Additionally, the NVR can be served as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control.

Per imeter Protection by Camera
Automatically filters out false alarms caused by animals, rustling leaves, bright lights, and more. Enable system to act secondary recognition for the targets. Improving alarm accuracy.

SMD Plus by Camera
With intelligent algorithm, 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.

People Counting by Camera
With deep learning algorithm, People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs yearly/monthly/weekly/daily reports to meet your requirements.

Smart Codec
With advanced scene-adaptive rate control algorithm, smart codec technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

ANR (Automatic Network Replenishment Technology)
Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to device and then recorded in it.

DMSS
The DMSS app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access back-end devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere.

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System	
Main Processor	Industrial Embedded Micro-Processor
Operating System	Embedded Linux
Operation Interface	Web; Local GUI
Perimeter Protection by Camera	
Performance	16 Channels
AI Search	Search for Pictures by Channel, Time and Event Type
SMD Plus by Camera	
Performance	16 Channels
AI Search	Search by Target Classification (Human, Vehicle)
Video	
Access Channel	16
Network Bandwidth	200 Mbps for Access, 200 Mbps for Storage and 96 Mbps for Forwarding
Resolution	8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1.3MP, 720p, D1, and More
Decoding Capability	8 Channels@1080p (30 fps)
Video Output	HDMI: 3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720
	VGA: 1920 × 1080; 1280 × 1024; 1280 × 720
Multi-Screen Display	1/4/8/9/16
Third Party Camera Access	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, ONVIF, Canon and More
Compression	
Video	Smart H.265+; Smart H.264+; H.265; H.264
Audio	PCM; G.711A; G.711U; G.726
Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; Alarm Server; IP Search (Supports Dahua IP Camera, DVR, NVS, and More); P2P
Mobile Phone Access	Android; iOS
Interoperability	ONVIF (Profile T/S/G); CGI; SDK
Browser	Chrome; IE9 or Later; Firefox
Record Playback	
Multi-Channel Playback	1/4/9/16
Record Mode	Manual; Schedule (General; MD; Alarm; MD & Alarm; Intelligent)
Storage Method	Local HDD and Network
Backup	USB Device
Playback Function	1. Play; Pause; Stop; Fast Forward; Fast Backward; Rewind; Play by Frame
	2. Full Screen; Backup (Cut/File) ; Partially Enlarge; Audio On/Off
Storage	
Disk Group	Yes
Alarm	
General Alarm	Motion Detection; Privacy Masking; Video Loss; PIR Alarm; IPC Alarm
Anomaly Alarm	Camera Offline; Storage Error; full Storage; IP Conflict; MAC Conflict; Login Lock; Network Security Anomaly
Intelligent Alarm	Perimeter Protection; SMD; People Counting; Heat Map
Alarm Linkage	Record; Snapshot; IPC External Alarm Output; Buzzer; Log; Preset; Email
External Port	
Audio Input	1 Channel, RCA Connector
Audio Output	1 Channel, RCA Connector, Which Support Voice Intercom Output
HDD	2 SATA III Ports, Up to 10 TB for a Single HDD. The Maximum HDD Capacity Varies With Environment Temperature
Alarm Input	4 Channels
Alarm Output	2 Channels

NVR4216-16P

External Port	
USB	1 Front USB 2.0 Port, 1 Rear USB 3.0 Port
HDMI	1
VGA	1
Network	1 RJ-45 10/100/1000 Mbps Self-Adaptive Ethernet Port
PoE	16 Ports (IEEE802.3at/af)
General Parameter	
Power Supply	Single, 100V–240V AC, 50 Hz–60 Hz
Power Consumption	NVR: < 13.2W (Without HDD)
	PoE: Max 25.5W for Single Port, 130W In Total
Net Weight	2.6 kg (5.7 lb) (Without HDD)
Gross Weight	4 kg (8.8 lb) (Without HDD)
Product Dimensions	375.0 mm × 327.4 mm × 53.0 mm (14.8" × 12.9" × 2.1")
Package Dimensions	429 mm × 360 mm × 137 mm (16.9" × 14.2" × 5.4")
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Storage Temperature	0°C to +40°C (+32°F to +104°F)
Operating Humidity	10%–93% (RH)
Storage Humidity	30%–85% (RH)
Operating Altitude	3,000 m (9,843 ft)

Dimensions (mm)

53mm
375mm
327.5mm