

DS-9600NI-I16 SERIES NVR



Features and Functions

Professional and Reliable

- Dual-OS design to ensure high reliability of system running
- ANR technology to enhance the storage reliability when the network is disconnected
- HDD hot swap with RAID0, RAID1, RAID5, RAID6 and RAID10 storage scheme configurable and HDD hibernation
- Either Normal or Hot Spare working mode is configurable to constitute an N+1 hot spare system.

Video Input and Transmission

- Up to 64-ch 12 MP IP cameras can be connected. Connectable to the third-party network cameras
- Support live view, storage, sequencing, and playback of the connected camera at up to 12 megapixels resolution
- Supports alarm by video quality loss

Compression and Recording

- H.264+ compression effectively reduces the storage space and costs by up to 50%
- Full channel recording at up to 12MP resolution

HD Video Output

- HDMI1/VGA1 and HDMI2/VGA2 outputs provided
- HDMI1 Video output at up to 4K (3840 × 2160) resolution

Storage and Playback

- Up to 16 SATA interfaces and 1 eSATA interface connectable for recording and backup
- Smart search for efficient playback
- 4-ch synchronous playback at 4K or 16-ch at 1080p resolution

Smart & POS Function

- Supports multiple VCA (Video Content Analytics) alarms: face detection, POS, behavior analysis, people counting, motion detection and heat map
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Supports VCA search for fire/ship/temperature/temperature difference detection triggered video files
- POS information overlay on live view and playback





Specifications

Model		DS-9616NI-I16	DS-9632NI-I16	DS-9664NI-I16		
Video/Audio input	IP video input	16-ch	32-ch	64-ch		
	Incoming	256 Mbps	320 Mbps	320 Mbps		
	bandwidth	or 200 Mbps (when RAID is enabled)				
	Outgoing bandwidth	256 Mbps, or 200 Mbps (when RAID is enabled)				
Video/Audio output	Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF /2CIF/CIF/QCIF				
	CVBS output (Optional)	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480				
	VGA1 /HDMI1 output resolution	VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz				
	VGA2 /HDMI2 output resolution	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz				
	Audio output	2-ch, RCA (Linear, 1 KΩ)				
Decoding	Decoding format	H.265/H.265+/H.264/H.264+/MPEG4				
	Live view/Playback resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF /2CIF/CIF/QCIF				
	Synchronous playback	16-ch				
	Capability	4-ch @ 4K or 16-ch @ 1080p				
Network management	Network protocols	TCP/IP, DHCP, HIK Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP ^{m} , HTTPS				
Hard disk	SATA	16 SATA interfaces				
	eSATA	1 eSATA interface				
	Capacity	Up to 6TB capacity for each HDD				
	Network Disk	Up to 8 Network disks (NAS or iSCSI)				
Disk array	Array type	RAID0, RAID1, RAID5, RAID6, RAID10				
External interface	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)				
	Network interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface				
	Serial interface	RS-232; RS-485; Keyboard				
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0				
	Alarm in/out	16/8				
General	Power supply	100 to 240 VAC, 50 to 60 Hz				
	Max. Power	300 W				
	Consumption (without hard disk)	≤ 45 W				
	Working temperature	-10 to +55° C (+14 to +131° F)				
	Working humidity	10 to 90 %				
	Chassis	19-inch rack-mounted 3U chassis				
	Dimensions (W × D × H)	445 × 496 × 146 mm (17.5" × 19.5" × 5.7")				
	Weight (without hard disk)	≤ 12.5 kg (27.6 lb)				



Physical Interfaces 2 4 7 12 10 11 00000 00000 VGA1 VGA2 3 5 6 8 9

Index	Description	Index	Description
1	LAN1/LAN2 Interface, 2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces provided.	7	RS-232 Interface
2	LINE IN, RCA connector for audio input.		eSATA Interface
3	AUDIO OUT, RCA connector for audio output.	9	Controller Port, Alarm In/Alarm Out
4	HDMI1/HDMI2, HDMI video output connector.	10	100 to 240 VAC power supply
5	VGA1/VGA2, DB9 connector for VGA output. Display local video output and menu.	11	Power Switch
6	USB 3.0 Interface	12	GND

Available Models

DS-9616NI-I16, DS-9632NI-I16, DS-9664NI-I16

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Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5998 overseasbusiness@hikvision.com

Hikvision USA T +1-909-895-0400 sales.usa@hikvision.com

Hikvision Italy T +39-0438-6902 info.it@hikvision.com

Hikvision Singapore T +65-6684-4718 sg@hikvision.com

Hikvision Africa T +27 (10) 0351172 sale.africa@hikvision.com Hikvision Europe T +31-23-55-42-770 info.eu@hikvision.com

Hikvision France T +33(0)1-85-330-450 info.fr@hikvision.com

Hikvision Oceania T +61-2-8599-4233 salesau@hikvision.com

Hikvision Hong Kong T +852-2151-1761 Hikvision Middle East T +971-4-8816086 salesme@hikvision.com

Hikvision Spain T +34-91-737-16-55 info.es@hikvision.com

Hikvision Canada T +1-909-895-0400 sales.usa@hikvision.com Hikvision Russia T +7-495-669-67-99 saleru@hikvision.com

Hikvision Poland T +48-22-460-01-50 poland@hikvision.com

Hikvision Korea T +82-31-731-8841 sales.korea@hikvision.com Hikvision India T +91-22-28469900 sales@pramahikvision.com

Hikvision UK T +01628-902140 support.uk@hikvision.com

Hikvision Brazil T +55 11 3318-0050 Latam.support@hikvision.com

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