

## DS-9600NI-I16 SERIES NVR



### Features and Functions

#### Professional and Reliable

- New logical and visualized GUI design
- 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
- Either Normal or Hot Spare working mode is configurable to constitute an N+1 hot spare system.

#### Video Input and Transmission

- Adopt stream over TLS encryption technology (enhanced SDK service and RTP over HTTPS protocol) which provides more secure stream transmission service (max. 128 Mbps TLS stream outgoing bandwidth, when RAID is enabled, it will restrict TLS stream outgoing bandwidth to 64 Mbps)
- Up to 64-ch IP cameras can be connected (up to 12 MP)
- Connectable to the third-party network cameras

#### Compression and Recording

- H.265+ compression effectively reduces the storage space and costs by up to 75%
- 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 for HDD connection
- 10TB capacity for each HDD
- 4-ch synchronous playback at 4K or 16-ch at 1080p resolution
- Important files management and playback
- HDD health monitoring

#### Smart & POS Function

- Supports multiple VCA (Video Content Analytics) events
- 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
- POS triggered recording and alarm

#### Network & Ethernet Access

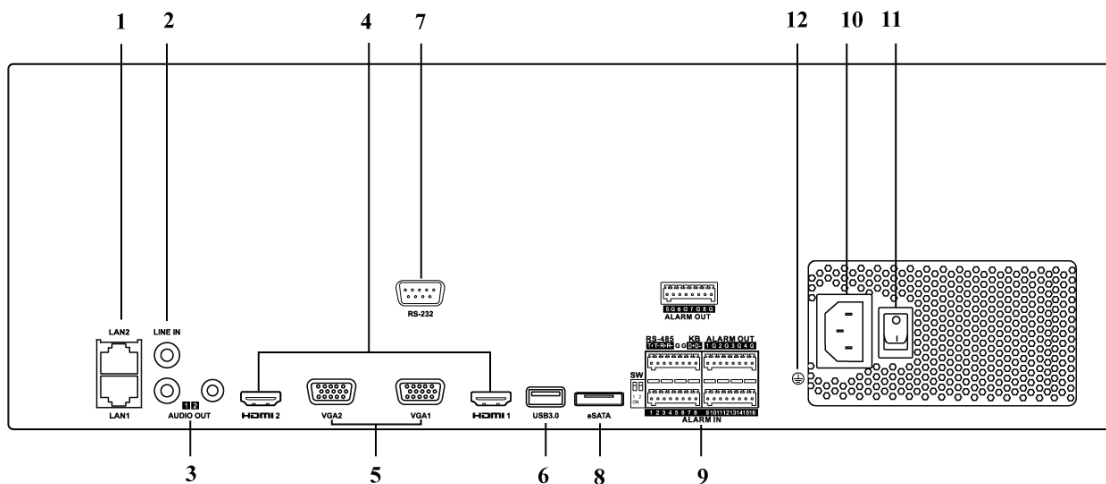
- Hik-Connect for easy network management
- 2 Gigabit Ethernet network interfaces



## Specifications

Model		DS-9616NI-I16	DS-9632NI-I16	DS-9664NI-I16
Video/Audio input	IP video input	16-ch	32-ch	64-ch
	Incoming bandwidth	256 Mbps	320 Mbps	320 Mbps
		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	2-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)		
Network management	Network protocols	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS		
Hard disk	SATA	16 SATA interfaces		
	eSATA	1 eSATA interface		
	Capacity	Up to 10TB capacity for each HDD		
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 °C to 55 °C (14 °F to 131 °F)		
	Working humidity	10 to 90 %		
	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



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.	8	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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