

RT-NVR7104NI-4P and RT-NVR7100NI-8P (16P) SERIES PoE NVR



Features and Functions

Video Input and Transmission

- Up to 4/8/16-ch ONVIF conformant IP cameras input
- Live view of the connected camera at up to 6MP resolution

Compression and Recording

- H.264+ compression improves encoding efficiency by up to 50% and reduces data storage costs
- Full channel recording at up to 6MP resolution

Video Output

- HDMI output and VGA output at up to 1920×1080p resolution

Storage and Playback

- Up to two SATA interfaces (up to 4TB of capacity per HDD)
- Up to 16-ch synchronous playback at 4CIF resolution
- Smart search for efficient playback
- USB 3.0 provides high-speed file transfer and backup

Smart Function

- Supports multiple VCA(Video Content Analytics) events for IP cameras

Network & Ethernet Access

- Gigabit Ethernet network interface
- 4/8/16 independent PoE network interfaces provided

Specifications

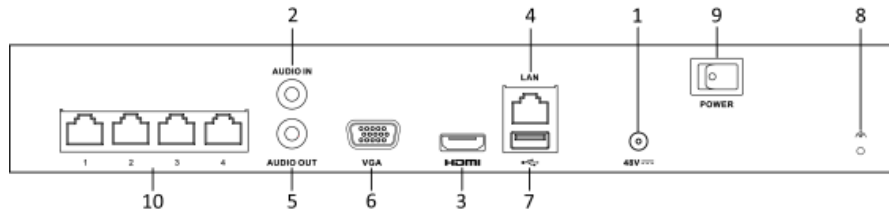
Model		RT-NVR7104NI-4P	RT-NVR7108NI-8P
Video/Audio input	IP video input	4-ch	8-ch
	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1kΩ)	
Network	Incoming bandwidth	40 Mbps	80 Mbps
	Outgoing bandwidth	80 Mbps	
	Remote connection	32	
Video/Audio output	Recording resolution	6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	Frame rate	Main stream: 50 fps (P)/60 fps (N)	
		Sub-stream: 50 fps (P)/60 fps (N)	
	HDMI/VGA output	1-ch, resolution: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
Audio output	1-ch, RCA (Linear, 1kΩ)		
Decoding	Live view/Playback resolution	6MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	Capability	4-ch@1080p	8-ch@720p, 5-ch@1080p
Network management	Network protocols	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS	
Hard disk	SATA	1 SATA interface for 1 HDD	2 SATA interfaces for 2 HDDs
	Capacity	Up to 4TB for each disk	
External interface	Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	
	USB interface	1 × USB 2.0 and 1 × USB 3.0	
	Alarm in/out (Optional)	4/1	
PoE	Interface	4 independent 100 Mbps PoE network interfaces	8 independent 100 Mbps PoE network interfaces
	Max. Power	50 W	120 W
	Supported standard	AF and AT	
General	Power supply	48 VDC	100 to 240 VAC
	Consumption (without hard disk and PoE)	≤ 10 W	
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)	
	Working humidity	10 % to 90 %	
	Chassis	Standalone 1U chassis	385 mm chassis
	Dimensions (W × D × H)	315 × 240 × 48 mm (12.4" × 9.4" × 1.9")	385 × 315 × 52 mm (15.2" × 12.4" × 2.0")
	Weight (without hard disk)	≤ 1 kg (2.2 lb)	

Specifications

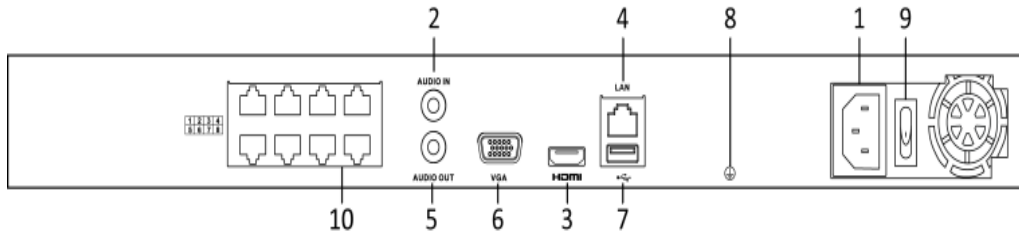
Model		RT-NVR7116NI-16P
Video/Audio input	IP video input	16-ch
	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1kΩ)
Network	Incoming bandwidth	160 Mbps
	Outgoing bandwidth	80 Mbps
	Remote connection	128
Video/Audio output	Recording resolution	6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Frame rate	Main stream: 50 fps (P)/60 fps (N)
		Sub-stream: 50 fps (P)/60 fps (N)
	HDMI/VGA output	1-ch, resolution: 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio output	1-ch, RCA (Linear, 1kΩ)	
Decoding	Live view/Playback resolution	6MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Capability	16-ch@4CIF, 12-ch@720p, 6-ch@1080p
Network management	Network protocols	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS
Hard disk	SATA	2 SATA interfaces for 2 HDDs
	Capacity	Up to 4TB for each disk
External interface	Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
	USB interface	1 × USB 2.0 and 1 × USB 3.0
	Alarm in/out (Optional)	4/1
PoE	Interface	16 independent 100 Mbps PoE network interfaces
	Max. Power	200 W
	Supported standard	AF and AT
General	Power supply	100 to 240 VAC
	Consumption (without hard disk and PoE)	≤ 15 W
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)
	Working humidity	10 % to 90 %
	Chassis	385 mm chassis
	Dimensions (W × D × H)	385 × 315 × 52 mm (15.2" × 12.4" × 2.0")
	Weight (without hard disk)	≤ 1 kg (2.2 lb)

Physical Interfaces

RT-NVR7104NI-4



RT-NVR7108NI-8



The rear panel of RT-NVR7116NI-16P provides 16 independent 100 Mbps PoE network interfaces.

Index	Description	Index	Description
1	Power Supply	5	VGA Interface
2	Audio In	6	USB Interface
3	HDMI Interface	8	Ground
4	LAN Network Interface	9	Power Switch
5	Audio Out	10	Network Interfaces with PoE Function