

DS-96000NI-F24/H Series

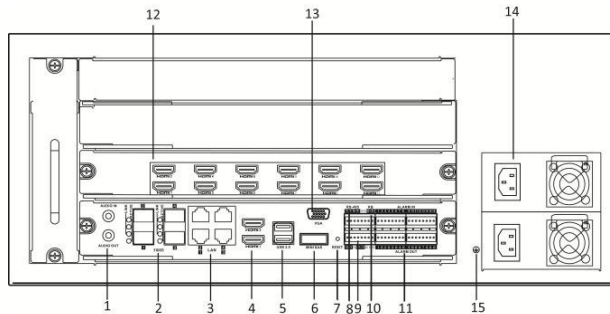
Network Video Recorder (NVR)



Key Features

- Connect Up to 128/256 IP Cameras, Linux OS
- Up to 8 Megapixels Resolution
- Simultaneous HDMI1/VGA Output
- Video Outputs up to 1920 × 1080 Resolution
- Up to 44 Channels at 1080p Resolution
- 12 HDMI Outputs for Video Wall
- Up to 24 SATA Hard Disks
- Redundant Power Supply
- ANR Technology
- HDD Hot Swap with RAID 0, RAID 1, RAID 5, RAID 10
- Configurable To N+1 Hot Spare System
- 4 Self-Adaptive 10M/100M/1000M Network and 4 1000M Optical Fiber Interfaces
- Smart Search and Playback
- HDD Quota and Group Modes

Landmarks



Index	Name
1	RCA connector for audio output and output
2	4 Fiber Optic Interfaces
3	4 LAN network interfaces
4	2 HDMI video output connectors
5	USB 3.0 Interfaces
6	miniSAS Interface (optional)
7	Reset the device.
8	RS-485 Interface
9	RS-232 Interface
10	Controller Port
11	ALARM IN and ALARM OUT
12	HDMI Output Extension Board
13	VGA Interface
14	100 to 240 VAC Power Input (Dual Power Supplies)
15	GND

Order Models

DS-96128NI-F24/H
DS-96256NI-F24/H

DS 96128NI F24/H		DS 96256NI F24/H
Video/Audio Input		
IP Video Input	128-ch	256-ch
	Up to 8 MP resolution	
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)	
Network		
Incoming Bandwidth	400 Mbps	640 Mbps, or 400 Mbps (when RAID is enabled)
Outgoing Bandwidth	400 Mbps	400 Mbps
Remote Connection	256	
Video/Audio Output		
Recording Resolution	8 MP/6 MP/5 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
HDMI1/VGA Output Resolution	1-ch, 1920 × 1080p, 1600 × 1200, 1280 × 1024, 1280 × 720, 1024 × 768	
HDMI2 Output	1-ch, 1920 × 1080p, 1600 × 1200, 1280 × 1024, 1280 × 720, 1024 × 768	
HDMI Outputs (On HDMI Output Extension Board)	12-ch, 1920 × 1080p, 1600 × 1200, 1280 × 1024, 1280 × 720, 1024 × 768	
LCD Screen	Yes	
Audio Output	1-ch, RCA (2.0 Vp-p, 1 K Ω)	
Decoding		
Live View/Playback Resolution	8 MP/6 MP/5 MP/3MP/1080p/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
Synchronous Playback	16-ch	
Capability	44-ch @ 1080p	
Hard Disk		
SATA	24 SATA interfaces for 24 HDDs	
MiniSAS (Optional)	1 miniSAS interface	
Capacity	Up to 6 TB capacity for each HDD	
Disk Array		
Array Type	RAID 0, RAID 1, RAID 5, RAID 10	
Number of Arrays	24	
External Interface		
Network Interface	4, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	
Optic Fiber Interface	4, 1000 Mbps optic fiber interface	
Serial Interface	RS-232; RS-485; keyboard	
USB Interface	Front panel: 1 × USB 2.0; rear panel: 2 × USB 3.0	
Alarm In/Out	16/8	
General		
Power Supply	100 to 240 VAC, 50 to 60 Hz	
Max. Power Consumption	600 W	
Consumption (w/o Hard Disk)	≤ 100 W	
Working Temperature	-10° C to +55° C (14° F to 131° F)	
Working Humidity	10% to 90%	
Chassis	19-inch rack-mounted 4U chassis	
Dimensions (W × D × H)	447 mm × 528 mm × 172 mm (17.6" × 20.8" × 6.8")	
Weight (w/o Hard Disk)	≤ 28.1 kg (61.9 lbs)	

NOTE: To calculate the incoming bandwidth and the connected IP cameras:

$$A = B/(C+D)$$

A = Number of IP cameras that can be connected
B = Incoming bandwidth
C = Connected IP cameras' main stream bitrate value
D = Connected IP cameras' sub-stream bitrate value

EXAMPLE: DS-96128NI-F24 NVR incoming bandwidth is 400 Mbps. The IP camera to connect has a resolution of 720p (1280 × 720)/25 (30) fps. Bitrates for the IP cameras' main stream and sub-stream are set at 4 Mbps and 1 Mbps respectively. In this example, B = 400 Mbps, C = 4 Mbps, D = 1 Mbps, and A = B/(C+D) = 400/(4+1) = 80. So, the number of IP cameras that can be connected is 80.