



# 4K H.265 NDAA Compliant NVR with Smart Analytics

## N4NRN

4 Channel NVR with 4 Built-in PoE+ Ports

## N8NRN

8 Channel NVR with 8 Built-in PoE+ Ports

## N16NRN

16 Channel NVR with 16 Built-in PoE+ Ports



Front panel



Rear panel (N4NRN shown)



Rear panel (N8NRN shown)



### Key Features

- EZ Wizards:** For ease of use and setup
- Camera:** Quickly discover and install all Speco IP cameras
- Setup:** Quick setup of general settings
- Network:** Setup and port forwarding
- Record:** Setup recording resolutions and recording type
- EZ Search 2.0:** Quickly find an event using time-sliced thumbnail images of your recordings with quick preview
- Copy:** Quickly copy what you are playing onto a USB flash drive
- EZ Mobile:** Easy mobile setup for viewing on desktop or mobile apps

- Real time recording up to 8MP resolution (4K) at 30fps
- H.265 compression - Store up to 2x more than H.264!
- 4K HDMI out and one VGA monitor output
- N4NRN: 1 SATA port for up to 16TB of storage max  
N8NRN: 1 SATA port for up to 16TB of storage max  
N16NRN: 2 SATA ports for up to 32TB of storage max
- Object and line crossing detection and alerts\*
- Human and vehicle detection\*
- Smart Search - Specify a region on the camera view and search on changes in that area\*
- Free US-based DDNS and P2P services
- Remote viewing via web browser, Apple TV, Amazon Fire TV, or your mobile device
- Easy video exporting via USB
- Remote control included
- 5 year limited warranty

\*with Speco Smart Analytic Cameras  
 \*\*Products are in compliance with NDAA  
 Section 889 Part B Guidelines

### Additional Features

- Find and install IP cameras on the local network without needing to locate the cameras manually
- Supports different recording types: Continuous, Motion, Analytics, and Sensor
- Create bookmark pins on playback for easy reference
- Instant playback for individual channels directly from the live view screen
- Customizable channel view placement
- Remote monitoring, recording, playback, configuration, upgrades, and PTZ control via the internet
- Simultaneous HDMI & VGA video output
- Supports 2-way audio communication (speaker required)

#### Storage: 2TB - 32TB

N4NRN2TB	N8NRN2TB	N16NRN2TB	N16NRN24TB
N4NRN4TB	N8NRN4TB	N16NRN4TB	N16NRN32TB
N4NRN6TB	N8NRN6TB	N16NRN6TB	
N4NRN8TB	N8NRN8TB	N16NRN8TB	
N4NRN12TB	N8NRN12TB	N16NRN12TB	
N4NRN16TB	N8NRN16TB	N16NRN16TB	





# Technical Specifications: 4K H.265 NDAA Compliant NVR with Smart Analytics

Model		NRN			
Video	Input	Max. IP Channels	4	8	16
		IP Camera	H.264/H.265 Auto Detection (Max. 8MP)		
	Output	Main Monitor	HDMI (Max. 4K) and VGA (Max. Full HD)		
		VGA	VGA		
Audio	Network Input		4 Ch. IPC audio input	8 Ch. audio input	16 Ch. IPC audio input
	2-way Audio		RCAX1		
	Local Output		RCAX1		
Recording	Encoding Resolutions		8MP/5MP/4MP/3MP/1080P/720P/960H/D1/CIF		
	Codec		H.264/H.265 (Auto Detection)		
	Max Frame Rate per Channel		Any Resolution @30fps		
	Recording Mode		AI/Continuous/Motion/Sensor/Schedule/Manual		
	Pre-Recording		Max. 5 seconds		
	Post Recording		Max. 10 minutes		
Search & Playback	Search		EZ Search, Motion, Specific Date/Time, Event, Museum, Bookmarks, Snapshots, Log		
	Simultaneous Playback		Max. 4 Ch.	Max. 8 Ch.	Max. 16 Ch.
	Smart Search		Highlighted color to display camera records in a certain period of time, different colors refer to different record events		
	Playback Resolutions		8MP/5MP/4MP/3MP/1080P/720P/960H/D1/CIF		
	Playback Functions		Play, Pause, FF, REW, Digital zoom, etc.		
Backup	Media		USB drive, Network		
	Format		JPG, AVI, ZIP (Player+Proprietary Data)		
Storage	HDD	Max Capacity of each HDD	16TB		
		Internal SATA ports	1	1	2
	USB	Front	1 USB 2.0		
		Rear	1 USB 2.0		
Alarm	Mode		Manual, Sensor, Motion, Exception, AI		
	Input/Output Linkage		Supports IPC Alarm In/IPC Alarm Out		
			Record/Snapshot/Preset/Email/Pop-up Window		
User I/F	Input Method		IR Remote, Mouse		
Network	Network Bandwidth		40Mbps	80Mbps	96Mbps
	P2P/Dynamic DNS		Free US-Based Speco P2P and DDNS Service		
	Network Protocols		TCP/IP, PPPoE, DHCP, DNS, UPnP, NTP, SMTP		
Network Access	Mobile		iOS/Android via Speco Blue App, SecureGuard® Client		
	Other Viewing Platforms		Apple TV and Amazon Fire TV		
	Web Viewer		Google Chrome, Edge, Safari, FireFox, Windows IE		
	VMS/CMS		SecureGuard®		
	Max. User Access		Max 10 users online (web client)		
Features	Digital Zoom		Live and Playback, Free Size		
	Fisheye Dewarping*		Yes		
	Smart Analysis**		Crowd Density, People Counting, Object Detection, Tampering, Tripwire, Intrusion		
	S.M.A.R.T		Temperature, Power On Time, Bad Sectors and Health		
Power	Power Consumption		≤ 15W (without HDD)		
	PoE Ports		4	8	16
	Power Per PoE Port		30W	30W	30W
	Total PoE Power Budget		48W	96W	150W
Environment	Operating Temperature		14°F to 122°F (-10°C to 50°C)		
	Operating Humidity		10% - 90% humidity		
Dimensions	Unit	300mm x 248mm x 45mm (11.8" x 9.8" x 1.8")	300mm x 248mm x 52mm (11.8" x 9.8" x 2.0")	380mm x 268mm x 52mm (15.0" x 10.6" x 2.0")	

\*with Speco Blue fisheye cameras

\*\*Learn more about the NVR's analytic data retention in the manual.