speco technologies®

NS Plug & Play Network Video Recorder with Built-In PoE

IP | **PoE** | **DIGITAL DETERRENT** | **2-WAY AUDIO** | **EZ SEARCH** | **EZ WIZARDS** | **S.M.A.R.T.**

N4NSP — 4 Channel Network Video Recorder with 4 Channel Built-in PoE

N8NSP — 8 Channel Network Video Recorder with 8 Channel Built-in PoE

N16NSF — 16 Channel Network Video Recorder with 16 Channel Built-in PoE

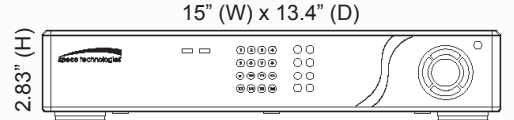| Storage	1TB – 8TB	
N4NSP1TB	N8NSP1TB	N16NSF2TB
N4NSP2TB	N8NSP2TB	N16NSF3TB
N4NSP4TB	N8NSP3TB	N16NSF4TB
	N8NSP4TB	N16NSF6TB
	N8NSP6TB	N16NSF8TB
	N8NSP8TB	

Front panel

Rear panel   N16NSF shown

15" (W) x 13.4" (D)

2.83" (H)

Features

EZ Wizards

- Camera: quickly discovers and installs IP cameras
- Setup: for quick system setup
- Network: network setup and port forwarding
- Record: quickly setup recording resolutions and recording type

EZ Search: quickly search events from thumbnails

EZ Copy: auto copy what you are playing onto a USB flash drive

- Video Out: 1 HDMI, 1 VGA, 1 CVBS
- 8 and 16 channel NVR supports up to 5MP resolution on channel 1
- 4 channel NVR supports up to 3MP resolution on channel 1
- Plug & play feature with Speco's IP cameras
- Conformant with ONVIF profile S
- Dual network ports for isolating IP camera network and remote network traffic
- Supports all H.264 compression profiles (baseline, main and high)
- Network video recorder with free Speco DDNS server
- Digital Deterrent® for triggering audio message via motion detection or sensor
- 2-way audio communication
- Full HD (1920 x 1080) recording and playback
- Supports wireless access point for viewing and configuration
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Built-in PoE provides power to IP cameras
- Switch between low and high quality stream during simultaneous Continuous + Motion or Continuous + Sensor recording modes for storage optimization

- Local and remote monitoring of PoE ports
- 4 NSP total IP camera power budget: 48W
- 8 NSP total IP camera power budget: 96W
- 4/8 NSP - all channels are 802.3af (15.4W)
- N16NSF total IP camera power budget: 200W
- N16NSF - ch. 1 and 2 support 802.3at (25.5W)
             ch. 3-16 support 802.3af (15.4W)
- 4/8/16 channel selectable local or IP camera audio recording
- Easy firmware upgrade by USB port or network
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- Supports multiple PC based browsers such as Internet Explorer and Firefox
- Network accessible via SpecoTech Multi-Client Software, SecureGuard® VMS and Speco Player Mobile Viewer
- PC and MAC® compatible
- 5 year warranty[1]

Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless Access Point

I-VIEW NOW READY[2]

HDMI® | Available on the App Store | ANDROID APP ON Google play | ONVIF®

ITEM			NSP		NSF
Video	Input	IP Channel	4	8	16
		Video Loss Check	Yes		
	Output	HDMI	1 HDMI (1920x1080, 1280x720)		
		VGA	1 VGA (1920x1080, 1280x720)		
		CVBS	Main		
Audio	Input & Output		4 line input, 4 IP input, 1 line output	8 line input, 8 IP input, 1 line output	16 line input, 16 IP input, 1 line output
	Audio Codec		G.711		
Alarm	Sensor Input (NC/NO Selectable)		4 local, 4 IP	4 local, 8 IP	4 local, 16 IP
	Alarm Output		1		
Serial	RS-485	PTZ	1		
Recording	Compression		H.264 (baseline, main, high profile)		
	Multi-Operation		Quadplex (play, record, network, backup)		
	Resolution	1920x1080	120fps	240fps	480fps
		1280x720	120fps	240fps	480fps
	Recording Mode		Continuous / Schedule / Motion / Sensor / Manual / Continuous + Sensor / Continuous + Motion		
	Motion Detection		Motion detection configured via IP camera		
	Recording by Channel's Resolution		Yes		
	Pre-Recording		Max. 20 minutes		
	Post Recording		Max. 60 seconds		
Playback	Multi-Decoding		1, 4	1, 4, 8	1, 4, 9, 16
	Search Mode		EZ Search, Date/Time, Event, Archive and Log		
Storage	HDD	Interface Type	Serial ATA		
		Capacity of 1 HDD	2TB	4TB	
		Internal HDD Number	2		
		e-SATA	1		
	Backup	USB Flash Drive	Video & Still Image		
		USB External HDD	Video & Still Image		
		Network	Video & Still Image		
	USB Port		3		
User I/F	Menu Display		GUI		
	Input Method		Front Buttons, IR Mouse, Keyboard Controller		
Network	Interface		10/100 base-TX ethernet	10/100/1000 base-TX ethernet	
	Streaming		Depends on profile		
	Max. Throughput		20 Mbps	40 Mbps	
Network Access	Mobile Viewer		Live, Search, PTZ, 2-Way Audio		
	PC Web Viewer		Internet Explorer, Chrome, Firefox, Safari (Live, Search, Backup, PTZ, Remote Setup)		
	PC Client		SpecoTech Multi-Client Viewer and SecureGuard® VMS (Live, Search, Backup, PTZ, Remote Setup)		
	MAC Client		Speco Client for MAC and SecureGuard® VMS (Live, Search, Backup, PTZ, Remote Setup)		
Features	Digital Deterrent®		Default + up to 8 custom audio files		
	Digital Zoom		Yes		
	DLS (Daylight Savings)		Yes		
	EZ Record		Yes		
	S.M.A.R.T		Yes		
	Internal Beep		Yes		
	Multi-Language		English / French / Spanish		
	Dynamic DNS		Yes (free Speco DDNS)		
	SW Upgrade		USB and remote software upgrade		
	NTP (Network Time Protocol)		Yes		
Power Source	PoE Standard		All ch. 802.3af		1-2 ch. 802.3at / 3-16 ch. 802.3af
	Total PoE Budget		48W	96W	200W
	Power Supply Voltage		12VDC, 5A / 48VDC, 1A	12VDC, 5A / 48VDC, 2A	AC100V ~ 240V, 230WV
	Allowable Operating Temperature / Humidity		41° F – 104° F / 20% – 80% RH		
	Allowable Storage Temperature		14° F – 122° F		
Weight	Unit Weight (Gross Weight)		12 lbs.		
Dimensions	Unit Dimensions (W x H x D)		15" (W) x 2.83" (H) x 13.4" (D)		

Please note that specifications and unit exterior design are subject to change without notification.