

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

|               |                                                                |
|---------------|----------------------------------------------------------------|
| <b>N4NSP</b>  | 4 Channel Network Video Recorder with 4 Channel Built-in PoE   |
| <b>N8NSP</b>  | 8 Channel Network Video Recorder with 8 Channel Built-in PoE   |
| <b>N16NSF</b> | 16 Channel Network Video Recorder with 16 Channel Built-in PoE |

### Storage 1TB – 8TB

|          |          |           |
|----------|----------|-----------|
| N4NSP1TB | N8NSP1TB | N16NSF2TB |
| N4NSP2TB | N8NSP2TB | N16NSF3TB |
| N4NSP3TB | N8NSP3TB | N16NSF4TB |
| N4NSP4TB | N8NSP4TB | N16NSF6TB |
| N4NSP6TB | N8NSP6TB | N16NSF8TB |

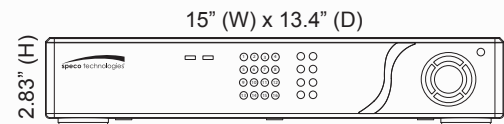


Front panel



Rear panel

N16NSF shown



## Features

- EZ Camera:** quickly discovers and installs IP cameras
- EZ Setup:** for quick system setup
- EZ Network:** for quick set-up on a network
- EZ Search:** quickly search events from thumbnails
- EZ Record:** quickly setup recording resolutions and recording type
- 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 OnSIP/VIP/ZIP cameras
- ONVIF support\*
- 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, Google Chrome, Firefox and Safari
- Network accessible via SpecoTech Multi-Client Software, SecureGuard™ Plus CMS and Speco Player Mobile Viewer
- PC and MAC® compatible
- 3 year warranty

### Free Apps with support for view on most smart devices

\*visit [www.specotech.com/onvif.html](http://www.specotech.com/onvif.html) for latest ONVIF support. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. iPhone is a trademark of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 3/12/15



### Optional Accessories



**ERS1V**  
Vented Rack Shelf



**IRRPTKIT**  
IR Repeater Kit



**DSWFUSB**  
USB Wireless  
Access Point

| 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   | 3TB                                                                                               |                                         | 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™ Plus CMS (Live, Search, Backup, PTZ, Remote Setup) |                                         |                                           |
|                                            | MAC Client                        |                     | Speco Client for MAC and SecureGuard™ CMS (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                                                                   |                                         |                                           |
| Power Source                               | NTP (Network Time Protocol)       |                     | Yes                                                                                               |                                         |                                           |
|                                            | 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.