

## NS Plug & Play Wall Mount Network Video Recorder

### N4WNS, N8WNS, N16WNS

Base Wall Mount Model

### N4WNSM, N8WNSM, N16WNSM

Wall Mount with Built-In Monitor

### N4WNSP, N8WNSP, N16WNSP

Wall Mount with Built-In PoE

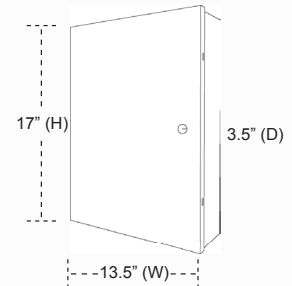
### N4WNSPM, N8WNSPM, N16WNSPM

Wall Mount with Built-In PoE and Monitor

IP



Patented Design



**Storage** 1TB – 9TB (see last page for model numbers)

## Key Features



### EZ Wizards - For ease of use and setup

Camera: quickly discover and install all Speco IP cameras

Setup: for quick setup of general settings

Network: network setup and port forwarding

Record: quickly setup recording resolutions and recording type

Search: quickly search for events from thumbnails

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

- Supports all H.264 compression profiles (baseline, main and high)
- **Free U.S.-Based DDNS Server Access**
- 5 year limited warranty<sup>1</sup>
- Custom branding

## Additional Features



- 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
- Conformant with ONVIF profile S
- A patented NVR solution that easily mounts in equipment closets or electrical rooms for covert installations
- Digital Deterrent<sup>®</sup> for triggering audio message via motion detection or sensor

- 2-way audio communication
- Full HD (1920 x 1080) recording and playback
- Built-in S.M.A.R.T. Technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- 4/8/16 channel selectable local or IP camera audio recording
- Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet
- PC and MAC<sup>®</sup> compatible

### Suggested Cameras



O2iD5M



O2iB8M



O2D60M



O2D7M

### Optional Accessories



IRRPTKIT  
IR Repeater Kit



POE4SW6  
4 PoE Port 10/100  
802.3af/ at Switches  
(WNS / WNSM only)



POE8SW9  
8 PoE Port 10/100  
802.3af/ at Switches  
(WNS / WNSM only)



POE16SW18  
16 PoE Port 10/100  
802.3af/ at Switches  
(WNS / WNSM only)



<sup>1</sup>Effective on all new purchases as of 2/1/17. Limited Warranty/Hard drives excluded. <sup>2</sup>Certified I-View Now Ready in 4 and 8 channel NSP NVRs only. ONVIF is a trademark of Onvif, Inc. 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. 7/5/17

| ITEM                                       |                                   |                     | WNS / WNSM / WNSP / WNSPM                                                                    |                                         |                                           |
|--------------------------------------------|-----------------------------------|---------------------|----------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------|
| Video                                      | Input                             | IP Channel          | 4                                                                                            | 8                                       | 16                                        |
|                                            |                                   | Video Loss Check    | Yes                                                                                          |                                         |                                           |
|                                            | Output                            | HDMI                | 1920x1080, 1280x720                                                                          |                                         |                                           |
|                                            |                                   | 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 | 3 (NS) / 2 (NSP)                                                                             |                                         |                                           |
|                                            |                                   | e-SATA              | 1                                                                                            |                                         |                                           |
|                                            | Backup                            | USB Flash Drive     | Video & Still Image                                                                          |                                         |                                           |
|                                            |                                   | USB External HDD    | Video & Still Image                                                                          |                                         |                                           |
|                                            |                                   | Network             | Video & Still Image                                                                          |                                         |                                           |
|                                            | USB Port                          |                     | 3 (NS), 2 (NSP)                                                                              |                                         |                                           |
| User I/F                                   | Menu Display                      |                     | GUI                                                                                          |                                         |                                           |
|                                            | Input Method                      |                     | IR Mouse, Keyboard Controller                                                                |                                         |                                           |
| Network                                    | Interface                         |                     | 10/100 base-TX ethernet                                                                      | 10/100/1000 base-TX ethernet            |                                           |
|                                            | Streaming                         |                     | Depends on profile                                                                           |                                         |                                           |
|                                            | IP Camera 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                                                                              |                                         |                                           |
|                                            | Total PoE Budget                  |                     | 4 Ch. 48W                                                                                    | 8 Ch. 96W                               |                                           |
|                                            | Power Supply Voltage              |                     | WNS / WNSM: 12VDC, 5A                                                                        | WNSP / WNSPM: 12VDC, 5A   48VDC, 1A     |                                           |
| Allowable Operating Temperature / Humidity |                                   |                     | 41° F – 104° F / 20% – 80% RH                                                                |                                         |                                           |
| Allowable Storage Temperature              |                                   |                     | 14° F – 122° F                                                                               |                                         |                                           |
| Weight                                     | Unit Weight (Gross Weight)        |                     | WNS / WNSM: 10 lbs.   WNSP / WNSPM: 12 lbs.                                                  |                                         |                                           |
| Dimensions                                 | Unit Dimensions (W x H x D)       |                     | 13.5" (W) x 17" (H) x 3.5" (D)                                                               |                                         |                                           |

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

| WNS |     |  |  |  |  |
|-----|-----|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| CH. | HDD | Base Model                                                                          | Built-In Monitor                                                                   | Built-In Power Supply                                                             | Built-In Power Supply and Monitor                                                 |
| 4   | 1TB | N4WNS1TB                                                                            | N4WNSM1TB                                                                          | N4WNSP1TB                                                                         | N4WNSPM1TB                                                                        |
|     | 2TB | N4WNS2TB                                                                            | N4WNSM2TB                                                                          | N4WNSP2TB                                                                         | N4WNSPM2TB                                                                        |
|     | 3TB | N4WNS3TB                                                                            | N4WNSM3TB                                                                          | N4WNSP3TB                                                                         | N4WNSPM3TB                                                                        |
|     | 4TB | N4WNS4TB                                                                            | N4WNSM4TB                                                                          | N4WNSP4TB                                                                         | N4WNSPM4TB                                                                        |
|     | 6TB | N4WNS6TB                                                                            | N4WNSM6TB                                                                          | N4WNSP6TB                                                                         | N4WNSPM6TB                                                                        |
|     | 9TB | N4WNS9TB                                                                            | N4WNSM9TB                                                                          | X                                                                                 | X                                                                                 |
| 8   | 1TB | N8WNS1TB                                                                            | N8WNSM1TB                                                                          | N8WNSP1TB                                                                         | N8WNSPM1TB                                                                        |
|     | 2TB | N8WNS2TB                                                                            | N8WNSM2TB                                                                          | N8WNSP2TB                                                                         | N8WNSPM2TB                                                                        |
|     | 3TB | N8WNS3TB                                                                            | N8WNSM3TB                                                                          | N8WNSP3TB                                                                         | N8WNSPM3TB                                                                        |
|     | 4TB | N8WNS4TB                                                                            | N8WNSM4TB                                                                          | N8WNSP4TB                                                                         | N8WNSPM4TB                                                                        |
|     | 6TB | N8WNS6TB                                                                            | N8WNSM6TB                                                                          | N8WNSP6TB                                                                         | N8WNSPM6TB                                                                        |
|     | 8TB | N8WNS8TB                                                                            | X                                                                                  | N8WNSP8TB                                                                         | X                                                                                 |
| 16  | 9TB | N8WNS9TB                                                                            | N8WNSM9TB                                                                          | X                                                                                 | X                                                                                 |
|     | 1TB | X                                                                                   | X                                                                                  | X                                                                                 | X                                                                                 |
|     | 2TB | N16WNS2TB                                                                           | N16WNSM2TB                                                                         | X                                                                                 | X                                                                                 |
|     | 3TB | N16WNS3TB                                                                           | N16WNSM3TB                                                                         | X                                                                                 | X                                                                                 |
|     | 4TB | N16WNS4TB                                                                           | N16WNSM4TB                                                                         | X                                                                                 | X                                                                                 |
|     | 6TB | N16WNS6TB                                                                           | N16WNSM6TB                                                                         | X                                                                                 | X                                                                                 |
|     | 8TB | N16WNS8TB                                                                           | N16WNSM8TB                                                                         | X                                                                                 | X                                                                                 |
|     | 9TB | N16WNS9TB                                                                           | N16WNSM9TB                                                                         | X                                                                                 | X                                                                                 |