



# NRL Series Wall Mount 4K H.265 Wall Mount Smart NVR with PoE

## N4WNRL

4 Channel NVR with 4 Built-In PoE Ports

## N8WNRL

8 Channel NVR with 8 Built-In PoE Ports

## N4WNRLM

4 Channel NVR with 4 Built-In PoE Ports  
with Built-In Monitor

## N8WNRLM

8 Channel NVR with 8 Built-In PoE Ports  
with Built-In Monitor



N4WNRL



N4WNRLM



I-VIEW NOW **immix**

Compatible Apps



### Key Features

**EZ Wizards:** For ease of use and setup

**Camera:** Quickly discover and install all Speco Blue IP cameras

**Setup:** Quick setup of general settings

**Network:** Setup and port forwarding

**Record:** 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

- Real time recording up to 8MP resolution (4K) at 30fps
- H.265 compression - Store up to 2x more than H.264!
- Built-in PoE ports for all channels for easy installation
- 1 SATA port for up to 16TB of storage
- 4K HDMI out and VGA monitor output
- Object and line crossing detection and alerts\*
- Smart Search - Specify a region on the camera view and search on changes in that area\*
- 2-way audio communication
- Free US-based DDNS and P2P services
- Remote viewing via web browser, Apple TV, Amazon TV, or your mobile device
- Easy video exporting via USB
- 5 year limited warranty
- \*with Speco Blue Smart Analytic Cameras

Storage: 2TB - 16TB

N4WNRL2TB	N4WNRL10TB	N8WNRL2TB	N8WNRL10TB
N4WNRL4TB	N4WNRL12TB	N8WNRL4TB	N8WNRL12TB
N4WNRL6TB	N4WNRL16TB	N8WNRL6TB	N8WNRL16TB
N4WNRL8TB		N8WNRL8TB	
N4WNRLM2TB	N4WNRLM10TB	N8WNRLM2TB	N8WNRLM10TB
N4WNRLM4TB	N4WNRLM12TB	N8WNRLM4TB	N8WNRLM12TB
N4WNRLM6TB	N4WNRLM16TB	N8WNRLM6TB	N8WNRLM16TB
N4WNRLM8TB		N8WNRLM8TB	

### Additional Features

- Plug & play feature with isolated traffic on the PoE ports with Speco Blue IP cameras
- 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
- Built-in S.M.A.R.T technology (Self-Monitoring, Analysis and Reporting Technology for HDD)
- Supports 2-way audio communication (speaker required)

#### Optional Accessories



**P4S6G**  
6-Port Gigabit Network Switch (4 ports PoE, 2 ports uplink)



**P8S10G**  
10-Port Gigabit Network Switch (8 ports PoE, 2 ports uplink)



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. 5/15/23

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# Technical Specifications: 4K H.265 NVR Wall Mount Smart NVR with PoE

Model		NRL	
Video	Input	Max. IP Channels	4   8
		IP Camera	H.264/H.265 Auto Detection (Max 8MP)
	Output	Main Monitor	HDMI (Max. 4K) and VGA (Max. Full HD)
		Sub Monitor	n/a
Audio	Local Input/Output		0/1
	Codec		G.711A/G.711U
	Audio Input	1ch, RCA, 4CH IPC input	1ch, RCA, 8CH IPC input
	Encoding Resolutions		8MP/5MP/4MP/3MP/1080P/720P
Recording	Codec		H.264/H.265 (Auto Detection)
	Max Frame Rate per Channel		Any Resolution @30fps
	Recording Mode		Analytics/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
	Multi-Decoding	1, 4	1, 4, 8
	Playback Resolutions		8MP/5MP/4MP/3MP/1080P/720P
	Playback Functions		Play, pause, FF, FB, digital zoom, etc.
Backup	Media		USB drive, USB Portable HDD, Network
	Format		JPG, AVI, ZIP (Player+Proprietary Data)
Storage	HDD	Capacity of 1 HDD	16TB
		Internal HDDSs	1
	USB	Front	1
		Rear	1
Alarm	Input/Output		n/a
	Trigger Events		Recording, PTZ, Alarm Out, Pop-up alarm preview, Email, FTP, Snapshot, Buzzer and Screen Tips
User I/F	Input Method		IR Remote, Mouse
Network	Port	100Mbps + 4PoE	100Mbps + 8PoE
	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	
	Other Viewing Platforms	Apple TV and Amazon Fire TV	
	Web Viewer	Chrome, Safari, Windows IE, FireFox, Edge	
	VMS	SecureGuard®	
Features	Max. User Access		Max 10 users online (web client)
	Digital Zoom		Live and Playback, Free Size
	Smart Analysis		Abandoned Object Detection, Missing Object Detection, Line Crossing
	S.M.A.R.T		Temperature, Power On Time, Bad Sectors and Health
Power	Input Voltage		DC48V
	Power Consumption	≤ 5W (without HDD)	≤ 15W (without HDD)
	PoE Ports	4	8
	Power Per PoE Ports	15W	15W
	Total PoE Power Budget	40W	96W
Environment	Operating Temperature		14°F to 122°F (-10°C to 50°C )
	Operating Humidity		10% ~ 90% humidity (Non-condensing)
Dimensions	Unit		15.25" (W) x 11.75" (H) x 3.5" (L) 387mm x 289mm x 89mm



# 4MP IP Vandal Resistant Dome Camera, NDAA Compliant

## O4VD2

2.8mm fixed lens, white housing



### Features

- Supports up to 4MP @ 30fps
- Built-in standard PoE (IEEE 802.3af)
- H.265/H.264 compression supported
- True Day/Night operation (IR cut filter)
- MicroSD card slot up to 256GB max (card not included)
- IR range: 100' (depending on scene reflection)
- Conformant with ONVIF Profile G/S/T
- True WDR
- Line crossing, object detection, region intrusion and video blurring detection
- IP67 weather resistance
- IK10 vandal resistance
- 5 year warranty
- NDAA Compliant\*



### Camera Specifications

Image Sensor	Progressive scan 1/3" CMOS, 4MP
Maximum Resolution	2560 x 1440
Minimum Illumination	0.005 lux @ F1.6 AGC ON; 0 lux with IR
Field of View (H)	94° (H), 50° (V), 115° (D)
Compensation	True WDR, BLC, HLC
Day/Night	Smart IR up to 100' (depending on scene reflection)
Electronic Shutter Speed	1/2s - 1/100000s
DNR	3D DNR
Angle Adjustment	Pan 0° ~ 355°, Tilt 0° ~ 67°, Rotation 0° ~ 180°

### Video Specifications

Main Resolutions	2560 x 1440; 2304 x 1296; 1920 x 1080 @ 30fps
Sub Stream	720p (1-15fps), D1, CIF ((1-30fps)
Third Stream	720p (1-12fps), D1, CIF, 480 x 240 (1-30fps)
Video Settings	Region of interest, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Defog, Sharpen, Noise Reduction
Compression	H.265, H.264
Bitrate Control	VBR, CBR (64Kbps ~ 5Mbps)
Multiple Streaming	3 streams

### Network Specifications

Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, 802.1x, UPnP, HTTPs, HTTP, QoS
DDNS Support	Speco DDNS (free of charge)
Security	User ID & Password protection, IP/MAC address filtering, digest authentication
User Access	Max. 3 simultaneous users. Actual number of users may vary depending on bandwidth

Yes	
Ethernet	10/100 Mbps (RJ 45 Jack)
Power	DC jack
Card Slot	MicroSD, up to 256GB (not included)
Reset	Yes
Audio Input	Built-in Mic and 3.5mm line in
Audio Out	No
Alarm In/Out	No

### System Specifications

PoE	Standard (IEEE 802.3af)
Detection Events	Line crossing, object detection, region intrusion and video blurring detection
Alarm Events	Motion detection, SD card error
Image Settings	Watermark, IP address filtering, video mask, password protection, Corridor mode

### Client Specifications

Web Browser Support	Chrome, Edge, Safari, Firefox, Internet Explorer
PC Application	SecureGuard® VMS, SecureGuard® CMS
Mobile	Speco Blue App, SecureGuard Client (iOS and Android)

### Operating & Unit Specifications

Power	PoE, 12VDC (power supply not included)
Power Consumption	<6W
Operating Temperature	-40°F - 140°F
Operating Humidity	less than 95% (non condensing)
Unit Dimensions	4.6" (Φ) x 3.54" (H)
Unit Weight	1.38 lb (without junction box)
Certifications	FCC, RoHS

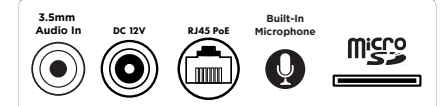
\*Products are in compliance with NDAA Section 889 Part B Guidelines



### Optional Accessories



### Cameras Interfaces



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Apps available from the following:

