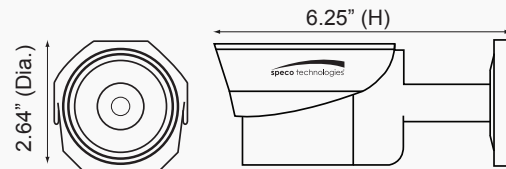# speco technologies®

Full HD 1080p Outdoor IR Bullet Cameras

ZIP2B   3.7mm fixed lens, dark grey housing

IP **IR**

Features

- Real-time video up to 30fps
- PoE IEEE 802.3af
- Dual streaming
- Weather/vandal resistant
- IP66 compliant
- Only works with Speco's ZS, NS, and NSP NVRs
- 2 year warranty

6.25" (H)

2.64" (Dia.)

Camera Specifications

Image Sensor ....1/2.8" 2.1MP CMOS
Maximum Resolution 1080p
Minimum Illumination...................0 lux @F2.5 (IR on)
                                        0.1 lux @F2.5 (IR off)
S/N Ratio 50dB
Shutter Speed.............................1/7 – 1/30,000 sec.
Exposure Control........................Automatic
Motion Detection.........................Yes
Day/Night...................................IR-cut filter
Number of IR LEDs 24
IR Range ....50' (depending on scene reflection)
IR Wavelength 850nm
White Balance ....Automatic
DNR..2D/3D Automatic

Video Specifications

Supported Resolutions ....1920x1080@30fps / 1280x720@30fps
Compression ....H.264 (Main / Baseline Profile)
Bitrate Control.............................CBR
Multiple Streaming......................2 simultaneous profiles

Network Specifications

Interface......................................10/100 Base-T
Security.......................................User ID & password protection
User Access................................4 concurrent users
Web Browser Support ....Internet Explorer 8 and up

Operating & Unit Specifications

Power Supply ....802.3af PoE or 12VDC
Power Consumption ....12VDC, 360mA (IR on)
Operating Temperature................-4º F – 122º F
Unit Weight ....15.36 oz.
Unit Dimensions ....2.64" (Dia.) x 6.25" (H)
Certifications...............................FCC, RoHS
Included in Package ....Unit, CD (manual, software), mounting plate
                                        L wrench, mounting screws

Optional Accessory

PSW5
12VDC
Power Supply

N4NSP 4 Channel NVR with 4 Channel Built-In PoE and Digital Deterrent®

N8NSP 8 Channel NVR with 8 Channel Built-In PoE and Digital Deterrent®

N16NSP 16 Channel NVR with 8 Channel Built-In PoE and Digital Deterrent®

N4NSP1TB	N8NSP1TB	N16NSP2TB
N4NSP2TB	N8NSP2TB	N16NSP3TB
N4NSP3TB	N8NSP3TB	N16NSP4TB
N4NSP4TB	N8NSP4TB	N16NSP6TB
N4NSP6TB	N8NSP6TB	

EZ Search   PC/Mac® compatible   Available on the App Store   ANDROID APP ON Google play   ONVIF
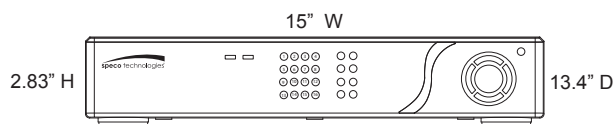
Storage from 1TB up to 6TB

**For the latest mobile apps
and CMS software go to:
www.specotech.com/DVRApps**

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

• Plug & play feature with Speco's OnSIP/VIP cameras
• ONVIF support*
• Dual network ports for isolating IP camera network traffic and remote network
• Supports all H.264 compression profiles (baseline, main and high)
• Network video recorder with free DDNS server
• Easy and simple graphical user interface
• Digital Deterrent® for triggering audio message via motion detection or sensor
• 2-way audio communication
• Programmable recording on motion detection, sensor, schedule, continuous and manual
• 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)
• 4/8/16 channel selectable local or IP camera audio recording
• Covert camera operation provides enhanced security and administrator control
• Password to secure installation authorization
• Easy firmware upgrade by USB port or network
• User Access: up to 4 concurrent users
• Remote monitoring / recording / playback / configuration / software upgrades and PTZ control via internet

15" W
2.83" H
13.4" D

Set-Up DVR
Wirelessly with
Speco's Configurator™
iPad® App
speco technologies

EZ Set-Up Wizards!
One click wizard guides you to set up essentials of the system in a logical and easy to understand sequence.
• Date/Time • Recording method • Recording video quality • Network

• Supports multiple PC based browsers such as Internet Explorer, Google Chrome, Firefox and Safari
• Network accessible via SpecoTech Multi-Client Software, Secure Guard® CMS and Speco Player Mobile Viewer
• PC and MAC® compatible
• 3 year warranty
• Free Apps with support for view on iPhone®, iPad® or Android™

Specifications

Recording Resolutions: D1, 1280x720, 1920x1080
2 internal hard drives
4/8/16 channel audio input, 1 channel audio output
Motion detection, sensor, schedule, continuous and manual recording
Video Outputs: 1 HDMI, 1 VGA, 1 MAIN
USB 2.0 port for snapshot and video clip exporting
Multiple language on-screen menus
IR remote control and mouse included

Rack mountable (hardware included)
Network software supports Static IP, DHCP and DDNS
Network hardware supports 10/100/1000Mbps
Power Requirement: 12VDC @ 5A (NVR) / 48VDC @ 1A (PoE)
Operating Temperature: 41° F – 104° F
Dimensions: 15" (W) x 2.83" (H) x 13.4" (D)
Weight: 12 lbs.

Optional Accessories

ERS1V
Vented Rack Shelf

IRRPTKIT
IR Repeater Kit

DSWFUSB
USB Wireless
Access Point

*visit www.specotech.com/onvif.html for latest ONVIF support

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.

Rev. 7/31/13

For more information contact Speco Technologies
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www.specotech.com

N4NSP / N8NSP / N16NSP Technical Specifications:
NS Plug & Play Network Video Recorder with Built-In PoE Switch

speco technologies®

Model			N4NSP	N8NSP	N16NSP
Video	Input	IP Camera	4	8	16
		Resolution	Max. 1920 x 1080		
	Output	Main Monitor	VGA and HDMI		
		Sub Monitor	CVBS		
Audio	Input	IP Camera (network)	4	8	16
		Local Input (RCA)	4	8	16
	Output	Local Output (RCA)	1		
	Audio Codec		G.711		
Event	Sensor In	IP Camera (network)	4	8	16
		Local Input (terminal block)	4		
	Local Alarm Output (terminal block)		1		
	Motion Detection (from IP camera)		Yes		
Serial	RS-232C		1		
	RS-485		1		
Network	LAN (IP Camera, Auto Connection)		4 PoE	8 PoE	8 PoE + 8 LAN
	WAN (IP Camera, Remote Access)		10/100 Base-T	10/100/1000 Base-T	
	Protocols		TCP/IP, UDP, DHCP, HTTP, NTP, SMTP, TRP, RTSP, ONVIF		
Recording	Compression		H.264 (baseline, main and high profile)		
	Resolution & Frame Rate	D1	120fps	240fps	480fps
		1280 x 720	120fps	240fps	480fps
		1920 x 1080	120fps	240fps	480fps
	Recording Mode		Continuous / Motion / Sensor / Schedule / Manual		
	Pre-Recording		Max. 20 minutes		
	Post Recording		Max. 60 seconds		
Playback	Search		EZSearch, Date/Time, Event, Archive, Log		
	Multi-Decoding		1, 4	1, 4, 8	1, 4, 8, 16
	Playback Speed		x0.25, x0.5, x2, x4, x8, x16, x32, x64		
Backup	Media		USB Drive, External HDD, Network		
	File Format		BMP, AVI, Proprietary Format		
	Large Backup		Yes (max. 24 hours)		
Storage	HDD	Capacity of 1 HDD	3TB		
		Internal HDDs	2		
		e-SATA	1		
	USB	Front	2		
		Rear	1		
User I/F	Input Method		Front Buttons, IR, Mouse, Keyboard Controller		
Features	Digital Deterrent®		Up to 8 audio files		
	Dynamic DNS		Yes (free Speco DDNS)		
	Digital Zoom		Yes		
	DLS (day light savings)		Yes		
	NTP (network time protocol)		Yes		
	S.M.A.R.T		Yes		
	Internal Beep		Yes		
	Multi-Language		Yes		
	E-mail Notification		Yes		
Network Access	Smartphone Viewer		iPad® / iPhone® / Android™		
	PC Web Viewer		Windows (IE, Chrome, Firefox, Safari)		
	PC Client		SpecoTech Multi-Client Viewer and Secure Guard® CMS		
	MAC Client		Speco Client for MAC and Secure Guard® CMS		
	Remote Setup and Upgrade		Yes		
Power	Power Supply Voltage		12VDC, 5A / 48VDC, 1A		
Temperature	Operating Temperature		41° F – 104° F / During Storage: 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.

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