

# DS NVR Network Video Recorder

## DIGITAL SENTRY® NVR, UP TO 32 CAMERAS AND 4 TB

### Product Features

- Manages and Records Video from IP Cameras and Encoders Over an IP Network
- Support for Standard IP Video Devices
- Supports Pelco IP Cameras with Sarix™ HD Technology
- Supports the Recording of JPEG, MPEG-4, and H.264 Streams from IP Cameras
- Expandable by Networking an Unlimited Number of Servers and DS NVRs
- 4-, 16-, and 32-Channel Configurations per Server
- Compatible with DS ControlPoint for Simultaneous Monitoring of All DS and DX Products in a Single Client Interface
- Network Health and Event Monitoring Support Through Simple Network Management Protocol (SNMP)
- Compatible with the DS Archive Utility
- Recording Rate Configurable per Individual Camera
- Support for DS DataPoint Integration



(MONITOR NOT INCLUDED)

Digital Sentry® software provides IT-focused, scalable solutions that allow users to manage all data and hardware devices from a single client user interface. Digital Sentry network video recorder (**DS NVR**) is a purpose-built software and hardware solution that manages and records video from IP cameras and encoders across an Ethernet network connection. DS NVR comes in 4-, 16-, or 32-channel configurations with the appropriate number of IP connection licenses preconfigured. **DS NVR** is a fully scalable solution. **DS NVR** is HD-enabled, capable of recording exceptional high-quality images captured by Pelco IP cameras with Sarix™ HD technology.

Open architecture is the cornerstone of the Digital Sentry design. Users can choose specific IP cameras or encoders that fit their application. **DS NVR** supports the majority of third-party IP cameras available today and will continue to add support for new cameras as they are released to the market.

**DS NVR** supports the IT-focused Digital Sentry software suite that includes network health and event monitoring, video analytics, and archive utility. It seamlessly integrates with all other Digital Sentry video management systems and can be monitored by the same DS ControlPoint client application.

**DS NVR** offers up to 4 TB of internal storage, which provides enough storage to meet the requirements of most applications. Storage expansion options are also available for additional retention requirements, providing flexibility and scalability to the overall solution. Each **DS NVR** contains a SCSI card as standard equipment, providing simple connection to external storage solutions such as the DX8100HDDI, which adds another 24 TB of JBOD or RAID 5 storage.

**DS NVR** contains dual Gigabit network interface cards (NIC) so that users can segment network traffic: one NIC supports heavy IP camera traffic, while the other NIC connects to client workstations for monitoring live and recorded video. **DS NVR** is designed to accommodate most security and IT requirements.

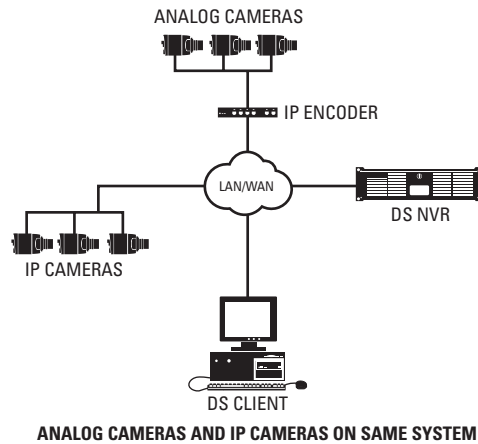
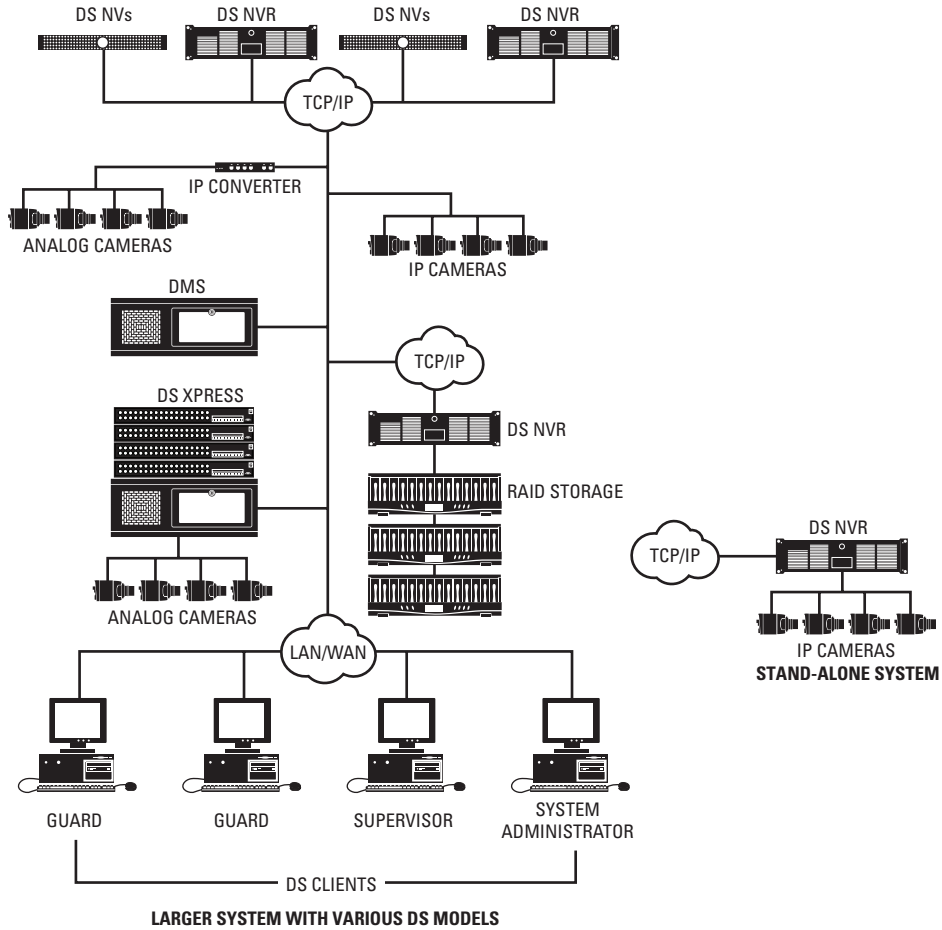


by Schneider Electric

International Standards  
Organization Registered Firm;  
ISO 9001 Quality System



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**IMPORTANT NOTE. PLEASE READ.**

The network implementations are shown as general representations only and are not intended to show detailed network topologies. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the systems as illustrated. Please contact your local Pelco representative to discuss your specific requirements.

# TECHNICAL SPECIFICATIONS

## SYSTEM

Operating System	Microsoft® Windows® XP Professional
User Interface	DS ControlPoint
Internal Storage	500 GB to 4 TB
External Storage	Up to 24 TB JBOD or RAID 5 through DX8100HDDI

## VIDEO

IP Camera Capacity	32
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## AUXILIARY INTERFACES

Network	10/100/1000Base-T
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## MECHANICAL

### Connectors

USB	6 high-speed USB 2.0 ports
DB15	VGA port
1394	1394 (not used)
RJ-45	Dual 10/100/1000 Megabit Ethernet ports
Audio Connectors	Miniature phono plug for line in (not used), line out, and microphone in (not used)

## POWER

Input Voltage	100 to 240 VAC ±10%, 50/60 Hz
Power Consumption	255 W maximum

## PHYSICAL

Dimension	19.5" D x 19.0" W x 3.5" H (2 RUs) (49.53 x 48.26 x 8.89 cm)
Unit Weight	29 lb (13.15 kg)
Shipping Weight	40 lb (18.14 kg)

## ENVIRONMENTAL

Operating Temperature	50° to 95°F (10° to 35°C)
Storage Temperature	-40° to 149°F (-40° to 65°C)
Operating Humidity	20% to 80%, noncondensing
Operating Altitude	-50 to 10,000 ft (-15 to 3,048 m)
Operating Vibration	0.25 G at 3 Hz to 200 Hz at a sweep rate of 0.5 octave/min.

## REMOTE PC CLIENT REQUIREMENTS

Processor	Intel Core™ Quad Q9400, 2.66 GHz
Recommended	
Internal Memory	4 GB
Recommended	
Operating System	Windows XP Home, Windows Vista®, Windows XP Professional SP 3 Professional SP 3 Windows 7 Enterprise
Minimum	
Recommended	
Video System	128 MB RAM with DirectX® 9.0c Minimum Recommended
Minimum	
Recommended	

## CERTIFICATIONS

- CE, Class A
- FCC, Class A
- UL Listed

# TECHNICAL SPECIFICATIONS

## MODELS

DSNVR04500	4 video inputs, 500 GB internal storage
DSNVR16500	16 video inputs, 500 GB internal storage
DSNVR162000	16 video inputs, 2000 GB internal storage
DSNVR164000	16 video inputs, 4000 GB internal storage
DSNVR32500	32 video inputs, 500 GB internal storage
DSNVR322000	32 video inputs, 2000 GB internal storage
DSNVR324000	32 video inputs, 4000 GB internal storage
DSNVR16-8080	16 video inputs, 80 GB x 80 GB RAID 1*

\*No internal storage included. External RAID storage required.

**Note:** For a DS NVR system configured as a video acquisition unit (VAU) for use with a Data Management Server (DMS), add "-V" to the model number (not available with DSNVR16-8080).

## SUPPLIED ACCESSORIES

USB Keyboard  
USB Mouse  
Power Cord  
Keys  
Resource Disc  
Recovery Disc  
Rack Hardware

## OPTIONAL ACCESSORIES

KBD300A	KBD300A desktop keyboard with full switching and programming capabilities and joystick control of PTZ functions; requires a KDB300USBKIT or a KBD300USBKIT-X
KBD300USBKIT	Remote keyboard wiring kit (120 VAC) for KBD300A
KBD300USBKIT-X	Remote keyboard wiring kit (230 VAC) for KBD300A

## DS NVR UPGRADES

3390-00290	DVD-RW option (factory installation)
3390-00295	DVD-RW option (field upgrade)

## OPTIONAL SOFTWARE AND HARDWARE

AUSRV-SW-1L	Archive utility server software license for first DVMS unit (required)
AUS 2-10L	Archive utility server software license for second to tenth DVMS units
AUS-1L	Archive utility server software license for eleventh or greater DVMS units

## OPTIONAL EXTERNAL STORAGE

Part Number	Number of 2 TB Drives	Storage in GB	
		Internal	Video
DX8100HDDI-6TB	3	6000	4000
DX8100HDDI-12TB	6	12,000	10,000
DX8100HDDI-18TB	9	18,000	16,000
DX8100HDDI-24TB	12	24,000	22,000

## IP CAMERA LICENSE

DS-SW-CAM	IP camera license for an IP camera or each analog camera connected to an IP encoder
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**NOTICE:** Judgment as to the suitability of the products for users' purposes is solely the users' responsibility. Users should refer to the Operation manuals for cautionary statements regarding user selected options and how they might affect video quality. Users shall determine the suitability of the products for their own intended application, picture rate and picture quality. In the event users intend to use the video for evidentiary purposes in a judicial proceeding or otherwise, users should consult with their attorney regarding any particular requirements for such use.

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