DS NVs

INTEGRAL DIGITAL SENTRY® NETWORK VIDEO SOFTWARE SOLUTION

Product Features

- Software-Only Video Management Solution
- Available in 4-, 16-, 32-, and 64-Channel Solutions
- Open Architecture Allows Installation on Many Industry-Standard Servers
- Manages Video from IP Cameras and Encoders through Ethernet
- Supports Pelco IP Cameras with Sarix™ HD Technology
- Supports the Recording of H.264 Streams from IP Cameras
- Recording Rate Configurable per Individual Camera
- Easily Expandable as Number of Servers and Cameras Increase
- Remote Administration, Monitoring, and Management of Video and Audio Data
- Network Health and Event Monitoring Support
- Archive Utility Support
- Logical Camera Grouping
- Quick Review of up to 90 Minutes of Audio, Video, and Data
- Detailed Reporting of System Settings and Configuration Changes
- 1-Week Graphical Display of Recorded Video
- Works Seamlessly with Integral Digital Sentry® Systems
- Support for DS DataPoint Integration

Integral Digital Sentry® world-class security software provides IT-focused, scalable solutions that allow users to manage data for multiple locations from a single client workstation. **DS NVs** is a software-only management solution available for systems with 4, 16, 32, or 64 video channels. It is also HD-enabled, capable of recording and displaying exceptional high-quality images captured by Pelco IP cameras with Sarix™ HD technology. This tight integration between product and technology makes **DS NVs** a robust HD end-to-end solution.

DS NVs provides users the flexibility of installing Digital Sentry software on the server of their choice. Customers with standard PC or server platforms can reduce their cost of ownership by leveraging that existing platform, volume pricing, technical support, training, maintenance, upgrade costs, and more. Also, only the software requires an upgrade when new Digital Sentry features are available.

From a central location, the same user interface is used for viewing and managing IP cameras and encoders simultaneously. This is especially important for users with existing analog systems who want to transition to completely digital systems. Because Digital Sentry is based on an open architecture, **DS NVs** allows customers the freedom to choose the PC/server platform and IP cameras that best fit their application.

DS NVs supports the IT-focused DS software suite that includes network health and event monitoring, video analytics, and archive utility.
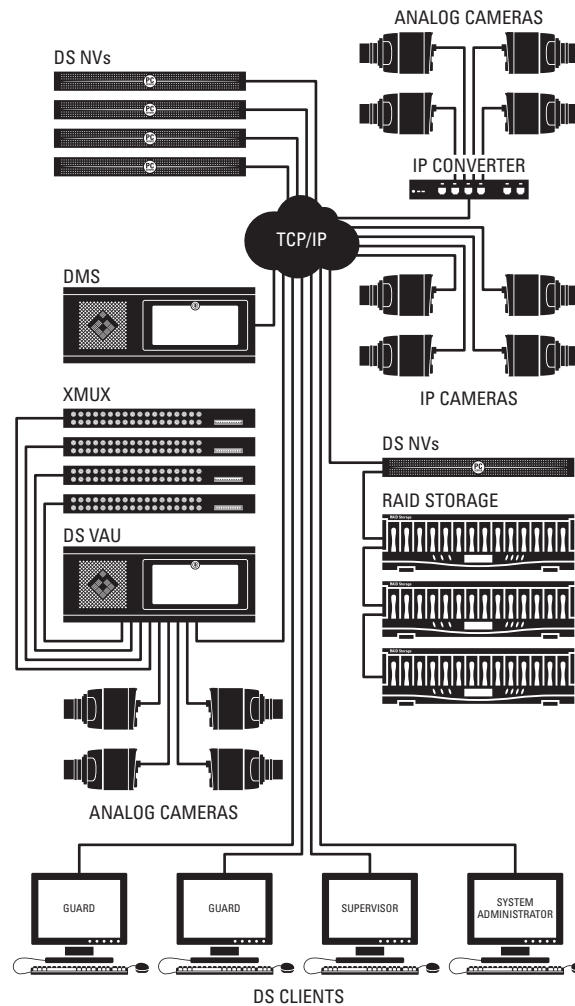
by **Schneider** Electric

DS NVS AS PART OF A LARGER DIGITAL SENTRY NETWORK
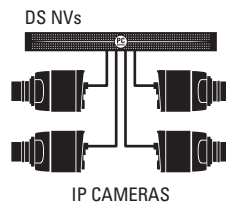
DS NVS AS A STAND-ALONE DIGITAL VIDEO MANAGEMENT SYSTEM

IMPORTANT NOTE. PLEASE READ.
The network implementations in this document 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

User Interface	Digital Sentry or DS ControlPoint

VIDEO

Video Standards	NTSC/PAL	
Video Decoding	iVEX, MPEG-4, MJPEG, wavelet	
Video Resolutions	NTSC	PAL
HD	Up to 5 megapixels (NTSC and PAL)	
4CIF	704 x 480	704 x 576
2CIF	704 x 240	704 x 288
CIF	352 x 240	352 x 288
IP Camera Capacity	Up to 64 per server	

Recording Rate Per Channel (images per second)

	NTSC	PAL
64 Channels at CIF resolution	30 ips	25 ips
64 Channels at 4CIF resolution	15 ips	12.5 ips
32 Channels at CIF resolution	30 ips	25 ips
32 Channels at 4CIF resolution	15 ips	12.5 ips
16 Channels at CIF resolution	30 ips	25 ips
16 Channels at 4CIF resolution	30 ips	25 ips
4 Channels at CIF resolution	30 ips	25 ips
4 Channels at 4CIF resolution	30 ips	25 ips

MINIMUM SERVER SPECIFICATIONS

Motherboard	Industry-standard Intel® platform, server grade
Processor	
4 or 16 cameras	Intel Pentium® 4 3.2 GHz or better
32 or 64 cameras	Intel Dual Xeon® or better
RAM	1 GB
Network Interface Card	Dual Gigabit
Operating System	Windows® XPe, Windows XP Pro, or Windows Server® 2003
Hard Drive	At least one 7200 rpm hard drive (SCSI or SATA)
Drive Controller Card	Required
CD-RW	Required
Operating System Partition Size	
Standalone NVs	20 GB
Distributed NVs	160 GB
Dedicated Server	Required

CERTIFIED PLATFORMS

IBM	IBM® E-server xSeries® (model #884031U) with SCSI drives and robust SCSI controller
Dell	Dell® PowerEdge® SC 1425 with SATA drives and standard drive controller on motherboard
Hewlett-Packard	HP ProLiant Server (models DL380 or DL360)

MODELS

DS-SW-SAT	DS NVs Satellite (support for up to 4 IP cameras)
DS-SW-BAS	DS NVs Base (support for up to 16 IP cameras)
DS-SW-PRO	DS NVs Pro (support for up to 32 IP cameras)
DS-SW-DEL	DS NVs Delta (support for up to 64 IP cameras)
DS-SW-DMS	Data Management Server used in a distributed architecture

OPTIONAL ACCESSORIES

KBD300A	KBD300A Desktop keyboard with full switching and programming capabilities, plus joystick control of PTZ functions
KBDKIT	Remote keyboard wiring kit. Required when using a single keyboard in ASCII Mode. Includes two RJ-45 wall blocks and one 120 VAC to 12 VAC transformer. Maximum cable distance for RS-422/RS-485 communication over 24-gauge wire is 4,000 feet (1,219 m). Use shielded twisted pairs cable that meets basic requirements for RS-422/RS-485 applications. (One wall block and transformer is required for each keyboard.)
KBDKIT-X	Same as KBDKIT except includes 230 VAC to 12 VAC transformer
PV140	RS-422/RS-232 converter kit with 12 VDC power supply

DS NVS UPGRADES

DS-SAT-BAS	Upgrade from Satellite to Base software
DS-SAT-PRO	Upgrade from Satellite to Pro software
DS-SAT-DEL	Upgrade from Satellite to Delta software
DS-BAS-PRO	Upgrade from Base to Pro software
DS-BAS-DEL	Upgrade from Base to Delta software
DS-PRO-DEL	Upgrade from Pro to Delta software

IP CAMERA LICENSES
(Required for Each Connected IP Camera)

DS-SW-CAM	IP camera license for IP camera or analog camera connected to IP encoder
DS-SW-CAM-P	IP camera license if camera or device is purchased from Pelco
DS-SW-CAM-P4	IP camera license for IP quad camera or 4-port converter if purchased from Pelco

OPTIONAL EXTERNAL STORAGE

3530-10030-ADD	SATABoy™ external storage, 8 drives, hot-swappable 3.0 TB RAID 5
3530-10031-ADD	SATABoy external storage, 14 drives, hot-swappable 6.0 TB RAID 5
3590-00411	SATABoy SATA 500 GB hard drive (includes carrier)
3590-01055	SATABoy daisy chain SCSI cable
6990-00299	SATABoy power supply
3590-01059	SATABoy spare parts kit (includes daisy chain cable, power supply, and 500 GB hard drive)
3530-10051-ADD	SATA 404S, 4 drives, hot-swappable 1.5 TB RAID 5
3530-10052-ADD	SATA 404S, 4 drives, hot-swappable 2.0 TB JBOD
3530-10053	SATA 404S SATA 500 GB hard drive (includes carrier)
3530-10054	SATA 404S daisy chain SCSI cable (DVMS to storage)
3530-10055	SATA 404S daisy chain SCSI cable (storage to storage)
3530-10056	SATA 404S power supply (not hot-swappable)
3530-10057	SATA 404S spare parts kit (includes two daisy chain cables, power supply, and 500 GB hard drive)

OPTIONAL SOFTWARE

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
3590-00502	ActiveAlert 2-camera video analytics
3590-00504	ActiveAlert 4-camera video analytics

OPTIONAL INTRAVUE NETWORK HEALTH AND MONITORING APPLICATION

ITNMS-016	48 analog nodes; 16 IP nodes/host
ITNMS-032	96 analog nodes; 32 IP nodes/host
ITNMS-064	192 analog nodes; 64 IP nodes/host
ITNMS-128	384 analog nodes; 128 IP nodes/host
ITNMS-256	768 analog nodes; 256 IP nodes/host
ITNMS-512	1,536 analog nodes; 512 IP nodes/host
ITNMS-ULTD	Unlimited analog nodes; 1,024 IP nodes/host

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.*