SM5000 System Manager

DISTRIBUTED SYSTEM MANAGEMENT AND SECURITY PLATFORM

Product Features

- Manages Endura™ Products, Pelco's Next Generation Network Video System
- Administers Rights and Privileges for All Attached Devices
- Stores and Administers Secure Keys
- Multi-Level Password and User Permissions Management
- Logs Errors and Alarms
- Manages All System Level Security
- Flexible and Scalable
- Supports UPnP Architecture

- Provides DHCP Services, Supporting the Dynamic Addition of Network Devices
- Functions as System Time Server (NTP)
- Replicates Data to a Backup SM5000

The **SM5000** system manager is an integrated hardware and software platform that serves as the system management component of Pelco's next generation video security system. The **SM5000** provides distributed administration of multiple devices, including Pelco's NVR5000, NET5000, and VCD5000 series units.

The **SM5000** manages system security, functioning as a key server for user and device authentication. While Pelco's NVR5000 Series video recorders can handle the system management responsibilities on smaller networks, the **SM5000** routes communication between all devices on large, subnetted security networks.

To ensure integrated devices are synchronized, the **SM5000** functions as the default system time server, using the industry standard NTP protocol. (Using the WS5000 interface, administrators have the option of selecting a different NTP server.)

The **SM5000** stores the database of device errors, alarms, and other system events. This comprehensive database may be accessed and searched through the System Log window in the WS5000 interface.

The **SM5000** system manager can be connected to an intelligent uninterruptible power supply (UPS) (not supplied). If the main power fails, an intelligent UPS sends a message to the **SM5000** and provides enough extra battery power to allow the manager to shut down gracefully, thereby preserving the integrity of the system data.

As an additional security feature, the **SM5000** supports data replication: a duplicate set of critical system data can be stored on a second **SM5000**. This feature enables a quick and easy transition to backup equipment.

Endura distributed, network-based products are available only to certified dealers/integrators. Please contact your local sales representative for details on certification applications and requirements. Additional information on Endura products and certifications may be found at http://www.pelco.com/endura.

NETWORK

SUBNET

NET5301T

SPECTRA

WS5050

NVR5100

SM5000
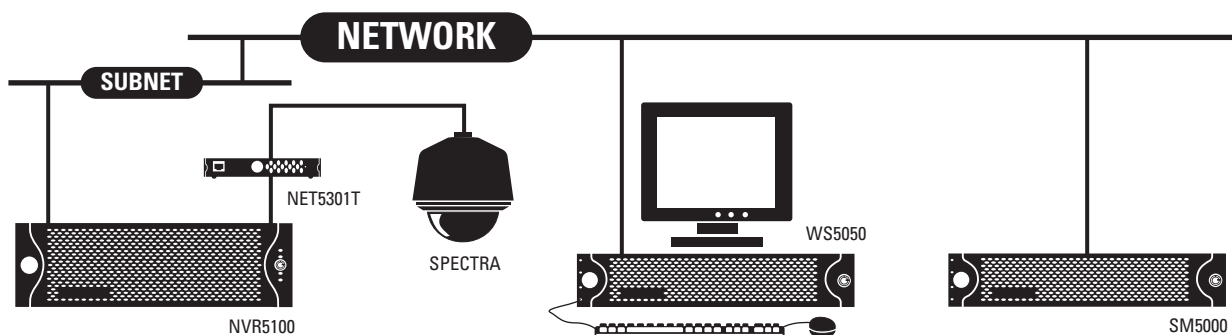
IMPORTANT NOTE: PLEASE READ. The network implementation is shown as a general representation only and is not intended to show a detailed network topology. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate

MODELS

SM5000   System Manager for subnetted, multi-NVR system designs

SUPPLIED ACCESSORIES

3 power cables (1 USA standard, 1 European standard, and 1 UK standard)
1 rack-mounting kit (for mounting in a 2 RU rack)

SYSTEM

Processor	Intel® Pentium® 4, 2.8 GHz
Internal Memory	1 GB RAM
Operating System	Linux®
User Interface	Remote operation via WS5000
System Storage	40 GB IDE

NETWORK

Interface	Gigabit Ethernet RJ-45 port (1000BaseT)
Security	2 modes: secure mode (device authentication) and unsecure mode

AUXILIARY INTERFACES

USB 2.0   3 USB 2.0 ports (one front, two rear)

FRONT PANEL

DVD/CD-RW Drive	CD read/write speed: 24X
	CD rewrite speed: 10X
	DVD read/write speed: 8X
	DVD rewrite speed: 4X
Buttons	Power, configuration/reset
Indicators	
Power	Blue if power
HDD Activity	Yellow when activity
Network Activity	Green when activity
Network Status	Green, amber, red
Unit Status	Green, amber, red

POWER

Power Input	100-240 VAC, 50/60 Hz, autoranging
Power Supply	Internal
Cable Type	1 USA (117 VAC), 1 European (220 VAC), 1 UK (250 VAC)
	All, 3 prongs, molded connector, 6 ft (1.8 m) cord
Power Consumption	Operating Maximum
100 VAC	216 W, 738 BTU/H
115 VAC	215 W, 734 BTU/H
220 VAC	213 W, 727 BTU/H

ENVIRONMENTAL

Ambient Temperature	70° to 74° F (21° to 23 °C)
Operating Temperature	50° to 95°F (10° to 35°C) at unit air intake
Storage Temperature	-40° to 149°F (-40° to 65°C)
Operating Humidity	20% to 80%, noncondensing
Maximum Humidity Gradient	10% per hour
Operating Altitude	-50 ft to 10,000 ft (-16 m to 3,048 m)
Operating Vibration	0.25 G at 3 Hz to 200 Hz at a sweep rate of 0.5 octave/minute

PHYSICAL

Construction	Steel cabinet
Finish	Front panel: gray metallic with black end caps; chassis: black matte finish
Dimensions	17.0" D x 17.0" W x 3.5" H (43.2 x 43.2 x 8.9 cm) 2 RU per unit, 1 RU between units
Mounting	Desktop (feet) or rack
Unit Weight	28.9 kg (13.1 kg)
Shipping Weight	38 lb (17.24 kg)

CERTIFICATIONS AND REGULATIONS

- CE, Class A
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class A
- C-Tick
- Complies with Argentina compliance requirements under Res. 92/98.
- GOST

STANDARDS/ORGANIZATIONS

- Pelco is a member of the MPEG-4 Industry Forum
- Pelco is a member of the Universal Plug and Play (UPnP) Forum
- Pelco is a member of the Universal Serial Bus (USB) Implementers Forum
- Pelco is a contributor to the International Standards for Organization/ Electrotechnical Commission (ISO/IEC) Joint Technical Committee 1 (JTC1), "Information Technology," Subcommittee 29, Working Group 11
- Compliance, ISO/IEC 14496 standard (also known as MPEG-4)
- Compliance, International Telecommunication Union (ITU) Recommendation G.711, "Pulse Code Modulation (PCM) of Voice Frequencies"

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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