



V1000 Series Network Video Recorder

Entry Level Surveillance NVR

The V1000 Series Network Video Recorders (NVRs) are a scalable control and archive platform targeted for entry level IP video surveillance applications. This SurVIS™ (Surveillance Video Information Server) NVR comes in desktop or rack mount form factors, runs commercially available Digital Video Surveillance Management software, scales in both video processing power and archive capacity, comes with a Microsoft Windows Operating System pre-installed and allows the user to view live or recorded video across 1, 2 or 4 monitors. The V1000 series of products optimize performance for low camera count applications. With the ability to process up to 300 VGA (6400 x 480) images per second, depending on software package, the V1000 is ideally suited for low camera count installations. The NVR provides the ability to record and retrieve video and monitor alarms on a single application specific appliance. Storage can be scaled to 8 TB in a non-RAID configuration.

In green field installations or system upgrades, network surveillance systems like those offered by VNS are an excellent choice to meet end user's increasing demands from their security systems.

Applications and Features

Applications:

- Small Retail or Office
- Residential
- ATM's
- Home Construction
- Gated Community Entrance
- Day Care Centers



Features:

- Desktop or Rack Mount Footprint
- Intel® Dual Core Technology
- Expandable system memory
- Flexible video archive size: 250 GB to 8 TB
- Microsoft Windows® Operating System
- Separate OS drive
- Support for 1, 2 or 4 monitors



Common Configuration:

- **V1007:** 2.8 GHz Dual Core processor, 2 GB RAM, up to 4 SATA II HDs, Windows Operating System, DVD RW and two 10/100/1000 Mbps LAN Ports
- **V1008:** 2.8 GHz Dual Core processor, 4 GB RAM, up to 4 SATA II HDs, SSD OS Drive, Windows Operating System, DVD RW and two 10/100/1000 Mbps LAN Ports



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Specifications:

SUPPLIED ACCESSORIES

Power Cable (s)	1-3 USA Standard 117VAC, 3 prongs, 6ft
Keyboard	1 Basic Keyboard
Mouse	1 USB/PS2, Scroll Wheel, 3 Button
Restore	All original installation discs
Rail Kit	Rack mount systems only

SYSTEM

Processor	Intel® Pentium® Dual Core
Internal Memory	4GB DDR3 RAM 1333 MHz
Operating System	Windows 7 or Windows 2008 Server
Operating System Storage	120 GB SSD with RAID 1 Option
Video Archive Capacity	Up to 8 TB of SATA II Storage
RAID Level	None, 0, or 5
Network Interface	2 Gigabit Ethernet RJ-45 (1000BaseT)
Auxiliary Interfaces	USB 2.0 Ports

VIDEO

CIF Processing Equivalent	Up to 320 VGA/sec*
Resolution	QCIF to mega-pixel based camera spec
Display	1, 2 or 4 monitor outputs available

ENVIRONMENTAL

Operating	10° to 32° C (50° to 90° F), 8% to 80% (non-condensing)
Storage	-40° to 70° C (-40° to 158° F), 5 to 95% (non-condensing)

PHYSICAL

CASE A

Form Factor	Mid-Tower Desk Top with 2 Internal Storage Bays
Power Supply	430 watt
Cooling	1 rear 120mm Fan
Dimensions	(HxWxD) 18.3 x 8.25 x 18.6 in. (465 x 210 x 472 mm)
Unit Weight (gross)	Approximately 30 lbs (9.1 kg.)

CASE B

Form Factor	Mid-Tower Desk Top with 4 Hot Swappable Storage Bays
Power Supply	600 watt
Cooling	1 x 92 mm & 1 x 120 mm Fans
Dimensions	(HxWxD) 16.7 x 7.8 x 18.3 in. (425 x 198 x 465 mm)
Unit Weight (gross)	Approximately 50 lbs (22.7 kg.)

CASE C

Form Factor	Mid-Tower Desk Top with 4 Hot Swappable Storage Bays
Power Supply	650 watt 1+1 Redundant
Cooling	1 x 120 mm (Rear) & 2 x 120 mm (Middle) Fans
Dimensions	(HxWxD) 16.7 x 8.7 x 24.4 in. (425 x 220 x 620 mm)
Unit Weight (gross)	Approximately 50 lbs (22.7 kg.)



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CASE K

Form Factor	2U Rack Mount with 2 Internal Storage Bays
Power Supply	300 watt
Cooling	2x80mm (front) & 1x60mm, 2x40mm Fans (Rear)
Dimensions	(HxWxD) 3.5 x 19.4 x 16.6 in. (88 x 493 x 422 mm)
Unit Weight (gross)	Approximately 50 lbs (22.7 kg.)

CASE L

Form Factor	2U Rack Mount with 4 Hot Swappable Storage Bays
Power Supply	650 watt
Cooling	4 x 80mm (front)
Dimensions	(HxWxD) 3.5 x 16.8 x 25.6 in. (89 x 426 x 650 mm)
Unit Weight (gross)	Approximately 60 lbs (27.3 kg.)

CASE M

Form Factor	2U Rack Mount with 4 Hot Swappable Storage Bays
Power Supply	550 watt Redundant
Cooling	4 x 80mm (front)
Dimensions	(HxWxD) 3.5 x 16.8 x 25.6 in. (89 x 426 x 650 mm)
Unit Weight (gross)	Approximately 60 lbs (27.3 kg.)



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Part Numbering:

VNS Part numbers are 14 characters.

Platform:

- V1000: Entry Level NVR
- V2000: Mid-Range NVR
- V3000: Enterprise NVR

Form Factor:

- A: Mid-Tower Desktop
- B: Pedestal Desktop
- C: Pedestal Desktop with Redundant Power Supply
- D: Workstation Desktop
- E: Workstation with Redundant PS
- F: High Density Workstation with Redundant PS
- K: 2U Rack Mount Chassis
- L: 2U Rack Mount with 6 Hot Swap Drives
- M: 2U Rack Mount w/ 6Hot Swap Drives & Redundant PS
- N: 4U Rack Mount w/8 Hot Swap
- O: 4U Rack Mount w/8 Hot Swap Drives & Redundant PS
- P: 3U Rack Mount w/12 Hot Swap Drives & Redundant PS
- R: 4U Rack Mount w/16 Hot Swap Drives & Redundant PS

Number of Monitors: 1, 2, or 4

Number of Hard Drives: Quantity of Hard Drives used for Storage (01 = 1, 05 = 5, etc)

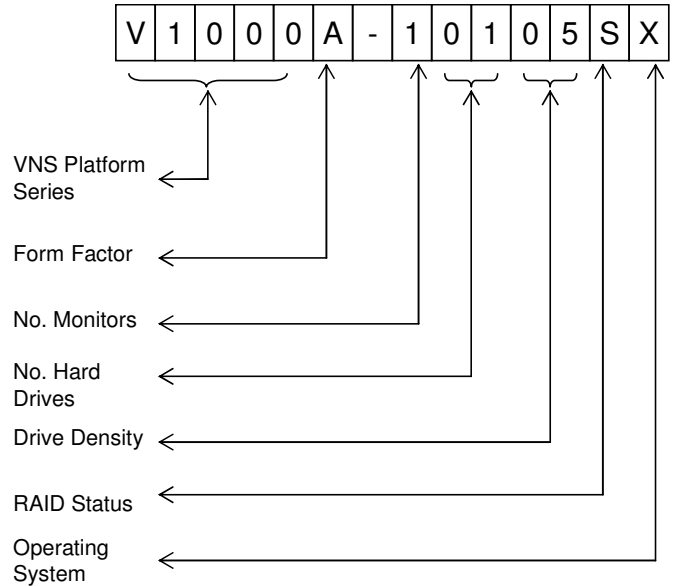
Drive Density: 02 = 250 GB, 05 = 500 GB, 10 = 1000 GB and 20 = 2000 GB

RAID Status:

- R: RAID 5
- S: No RAID
- T: RAID 0

Operating System:

- K: Windows 2008 Server
- L: Windows 2008 Server with a RAID 1 OS Drive
- X: Windows 7 Professional
- V: Windows 7 Professional with a RAID 1 OS Drive



Example:

V1008C-10210SX: Entry level NVR in a Desktop case with redundant power supply, support for one monitor, 2000 GB of video storage (2 x 1000 GB hard drives) configured as individual drive volumes with Windows 7 Professional OS.

*VGA/sec processing dependent on video surveillance management software package
Specifications subject to change without notice

Not all cases are supported on all platforms
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