



V2000 Series Network Video Recorder

Mid-Range Surveillance NVR

The V2000 Series Network Video Recorders (NVRs) are a scalable control and archive platform targeted for mid-range IP video surveillance applications. This SurVIS™ (Surveillance Video Information Server) NVR comes in rack mount or desktop form factors, runs commercially available Digital Video Surveillance Management software, scales in both video processing power and archive capacity, comes with a Microsoft Operating System pre-installed and allows the user to view live or recorded video across 1, 2 or 4 monitors. The V2000 series of products optimize performance for mid-size camera count applications as well as installations requiring the use of a small number of mega-pixel cameras. With the ability to process up to 750 VGA (640 x 480) images per second, depending on software package, the V2000 is ideally suited to installations requiring a moderate number of cameras. The NVR provides the ability to record and retrieve video and monitor alarms on a single application specific appliance. Storage can be scaled to 16 TB in a non-RAID, RAID 0 or RAID 5 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:

- Parking Facilities
- Apartment Complexes
- Mid-size Construction Sites
- Bank branch offices
- Managed Care Facilities
- Strip Mall Retail Centers
- Manufacturing Lines
- Self-storage Lots
- Office Buildings
- Reservoirs



Features:

- Desktop (model suffix A) or Rack Mount (model suffix B) Footprint
- Intel® Quad Core Technology
- Expandable system memory
- Flexible video archive size: 250 GB to 16 TB
- Microsoft Windows® Operating System
- Separate OS drive
- Support for 1, 2 or 4 monitors



Common Configuration:

- **V2007:** Single 2.66 GHz Quad processor, 4 GB RAM, up to 8 SATA II HDs, Windows Operating System, DVD R/W and two 10/100/1000 Mbps LAN Ports
- **V2008:** Single 3.1 GHz Quad processor, 4 GB RAM, up to 8 SATA II HDs, Windows Operating System, DVD R/W and two 10/100/1000 Mbps LAN Ports



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Specifications:

SUPPLIED ACCESSORIES

Power Cable	1-3 USA Standard 117VAC, 3 prongs, 6ft
Keyboard	1 Basic Keyboard PS/2, Microsoft
Mouse	1 USB/PS2, Scroll Wheel, 3 Button
Restore	All original installation discs
Rail Kit	Rack mount systems only

SYSTEM

Processor(s)	Intel [®] Quad Core
Internal Memory	4 GB DDR3 RAM 1333 MHz
Operating System	Windows 7 Professional or Windows 2008 Server
Operating System Storage	120GB SSD with RAID 1 Option
Video Archive Capacity	Up to 16 TB SATA II
RAID Level	None, 0, 1 or 5
Network Interface	2 Gigabit Ethernet RJ-45 (1000BaseT)
Auxiliary Interfaces	USB 2.0 Ports

VIDEO

CIF Processing Equivalent	Up to 800 VGA /sec*
Resolution	QCIF to mega-pixel based camera spec
Display	1, 2 or 4 monitor outputs available (must be specified at time of order)

ENVIRONMENTAL

Operating	10° to 35° C (50° to 95° F), 8% to 90% (non-condensing)
Storage	-40° to 70° C (-40° to 158° F), 5 to 95% (non-condensing)

PHYSICAL

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 18.3in. (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.)

CASE D

Form Factor	Mid-Tower Desk Top with 8 Hot Swappable Storage Bays
Power Supply	600 watt
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 E

Form Factor	Mid-Tower Desk Top with 8 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.)

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.) - Rack Mount

CASE N

Form Factor	4U Rack Mount with 8 Hot Swappable Storage Bays
Power Supply	665 watt
Cooling	4 x 5000 RPM Hot-Swappable Cooling Fans 2 x 5000 RPM Hot-Swappable Rear Exhaust Fan
Dimensions	(HxWxD) 7 x 17.2 x 25.5 in. (178 x 437 x 648 mm)
Unit Weight (gross)	Approximately 65 lbs (29.5 kg.)

CASE O

Form Factor	4U Rack Mount with 8 Hot Swappable Storage Bays
Power Supply	760 watt Redundant
Cooling	4 x 5000 RPM Hot-Swappable Cooling Fans 2 x 5000 RPM Hot-Swappable Rear Exhaust Fan
Dimensions	(HxWxD) 7 x 17.2 x 25.5 in. (178 x 437 x 648 mm)
Unit Weight (gross)	Approximately 65 lbs (29.5 kg.)

CASE P

Form Factor	3U Rack Mount with 10 Hot Swappable Storage Bays
Power Supply	650 watt Redundant
Cooling	4 x 8032mm Fans & 2 x 8025mm Rear Fans
Dimensions	(HxWxD) 5.2 x 16.9 x 26 in. (132 x 430 x 660 mm)
Unit Weight (gross)	Approximately 65 lbs (29.5 kg.)



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Part Numbering:

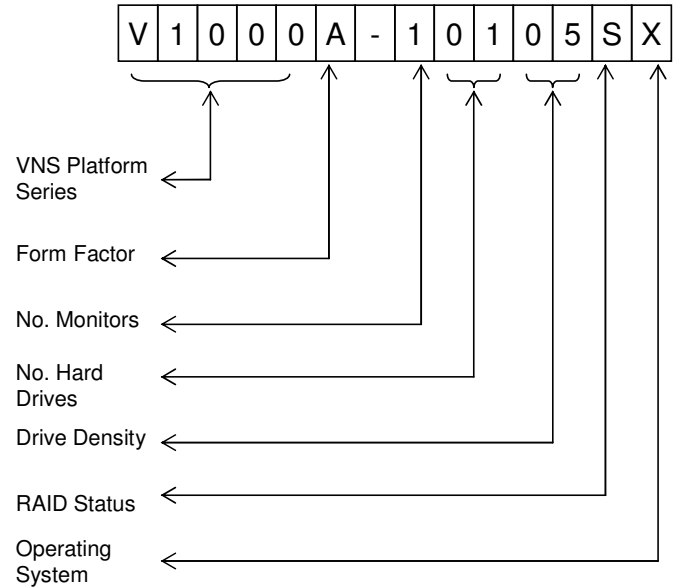
VNS Part numbers are 14 characters.

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:

V2008M-10210SX: Mid-Range NVR in a rack mount 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 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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