



GT17 Series Network Video Recorder

High-performance Custom Surveillance NVR

The GT17 Series Network Video Recorders (NVRs) are a scalable control and archive platform targeted for high-performance IP video surveillance applications. This customizable 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.

With the ability to process up to 2000 VGA (640 x 480) images per second, depending on software package, the GT17 series of products optimize performance for enterprise class installations at large facilities with an existing IT infrastructure. The NVR provides the ability to record and retrieve video and monitor alarms on a single appliance. Architected for scalability the GT17 platform can be optimized for footprint, video processing power and archive capacity. This flexibility allows each GT17 to be built to each customer's video surveillance system specifications. VNS NVR systems are designed to work on any networking protocol that supports TCP/IP.

The NVR provides the ability to record and retrieve video and monitor alarms on a single application specific appliance. Storage can be scaled to multi-Terabyte levels in a non-RAID, RAID 0, 5 or 6 configuration.

The Physical specifications listed are for two possible chassis options and are intended to provide example foot prints for a desk top and rack mounted systems.

Applications and Features

Applications:

- Airports
- Casinos
- Municipalities
- Correctional Facilities
- Shopping Centers
- Hospitals
- Ports
- Large commercial buildings
- Financial institutions



Features:

- Rack mount or Desktop footprint
- Intel® Xeon® technology
- Expandable system memory
- Flexible video archive size: 185 GB to 96 TB
- Microsoft Windows® Operating System
- Separate OS drive
- Support for 1, 2 or 4 monitors





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Specifications:

SUPPLIED ACCESSORIES

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

SYSTEM

Processors	Core Dual/Quad Core, Single or Dual Intel Xeon Dual-Core/Quad-Core
Internal Memory	512KB to 24GB DDR3 RAM
Operating System	Windows 7 Professional or Windows 2008 Server
Operating System Storage	160GB
Video Archive Capacity	Up to 8 TB (SATA II) with shown chassis
RAID Level	None, 0, 1, 5 or 6
Network Interface	2 Gigabit Ethernet RJ-45 (1000BaseT)
Auxiliary Interfaces	6 USB Ports, 2 Front 1.0 ports and Four rear 2.0 ports

VIDEO

VGA Processing Equivalent	Up to 2000 IPS/sec*
Resolution	QCIF to mega-pixel based camera spec
Display	1, 2 or 4 monitor outputs available (must be specified at time of order)

POWER

Power Input	100-240VAC, 50/60 Hz
Power Supply	Internal
Power Consumption	650 watts

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

Construction	Steel cabinet
Cooling	4x 5000 RPM Hot-Swappable Cooling Fans 2x 5000 RPM Hot-Swappable Rear Exhaust Fan
Dimensions	(WxHxD) 7 x 17.2 x 25.5in. (178 x 437 x 648 mm)
Unit Weight (gross)	Approximately 65 lbs (29.5 kg.)

OPTIONS

Drives	Floppy, DVD R/W, SATA density
Interfaces	Firewire add-in
Encoder	1 to 4 port video encoder add-in

*VGA/sec processing dependent on video surveillance management software package

Specifications subject to change without notice

Storage capacities are shown before formatting and overhead losses

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Configuration Examples:

GT17N26R13A00C

- 4U Rack Mount Chassis with 16 SATA Bays and 760 W Redundant Power Supply
- Intel 2.66 GHz Xeon Quad Core Processors w/1333 MHz FSB
- 4GB System Memory
- Two (2) 10/100/1000 Mbps LAN Ports
- Onboard Graphics
- Microsoft Windows 2008 Server Standard Edition
- Serial ATA Hardware RAID Controller with Battery Back Up
- Thirteen (13) 1000 GB SATA II Hard Drives Configured in One RAID 5 Array
- DVD+/- 20X RW
- Two (2) 80 GB SATA Hard Drives Configured as a RAID 1 Array for OS and Applications

GT17K23R06A00B

- 4U Tower/Rack Mount Chassis with 8 SATA Bays and 760W Redundant Power Supply
- Intel 2.33GHz Core 2 Quad Core Processor w/1333 MHz FSB
- 2GB System Memory
- Two (2) 10/100/1000 Mbps LAN Ports
- Onboard Graphics
- Microsoft Windows 2003 Server Standard Edition
- Serial ATA Hardware RAID Controller with Battery Back Up
- Eight (8) 750 GB SATA II Hard Drives Configured in a Single RAID 5 Array
- DVD+/- 20X RW
- Floppy Disk Drive
- Separate OS Drive

GT17L23R12A00B

- 4U Rack Mount Chassis with 16 SATA Bays and 950 W Redundant Power Supply
- Two (2) Intel 2.33GHz Core 2 Quad Core Processors w/1333 MHz FSB
- 2GB System Memory
- Two (2) 10/100/1000 Mbps LAN Ports
- Onboard Graphics
- Microsoft Windows 2003 Server Standard Edition
- Serial ATA Hardware RAID Controller with Battery Back Up
- Sixteen (16) 750 GB SATA II Hard Drives Configured in a Two RAID 5 Arrays
- DVD+/- 20X RW
- Floppy Disk Drive
- Separate OS Drive

○ GT17L23R10C00B Configuration

- 3U Rack Mount Chassis with 12 SATA Bays and 950 W Redundant Power Supply
- Two (2) Intel 2.33 GHz Quad-Core Processors w/1333 MHz FSB
- Two (2) 10/100/1000 Mbps LAN Ports
- Onboard Graphics
- Microsoft Windows 2003 Server Standard Edition
- Serial ATA Hardware RAID Controller with Battery Back Up
- Ten (10) 1000 GB SATA II Hard Drives Configured in a Single RAID 5 Array
- DVD+/- 20X RW
- Floppy Disk Drive
- Separate OS Drive
- Mounting Rails
- Keyboard
- Mouse



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