ViSTA Networking Solutions

LT16 Series Network Video Recorder

Mid-Range Custom Surveillance NVR

The LT16 Series Network Video Recorders (NVRs) are a scalable control and archive platform targeted for mid-range 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 1000 VGA (640 x 480) images per second, depending on software package, the LT16 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. The NVR provides the ability to record and retrieve video and monitor alarms on a single appliance. Architected for scalability the LT16 platform can be optimized for footprint, video processing power and archive capacity. This flexibility allows each LT16 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 mult-TeraByte levels in a non-RAID, RAID 0 or RAID 5 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:
- 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

Features:
- Desktop or Rack Mount Footprint
- Intel® Xeon® or Core technology
- Expandable system memory
- Flexible video archive size: 500 GB to 96 TB
- Microsoft Windows® Operating System
- Separate OS drive
- Support for 1, 2 or 4 monitors

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

Processor(s)	Intel ® Xeon® or Core
Internal Memory	512KB to 12GB DDR RAM 333 MHz or 8 GB Dual Channel DDR 667/533/400
Operating System	Windows 7 Pro or Windows 2008 Server Service R2
Operating System Storage	160GB
Video Archive Capacity	Scalable to multi-Terabyte
RAID Level	None, 0, 1 or 5
Network Interface	1 or 2 Gigabit Ethernet RJ-45 (1000BaseT)
Auxiliary Interfaces	USB Ports

VIDEO

CIF Processing Equivalent	Up to 1000 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)

POWER

Power Input	100-240VAC, 50/60 Hz
Power Supply	Internal
Power Consumption	600 watts (Desktop), 650 watts (Rack Mount)

ENVIRONMENTAL

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

PHYSICAL

Construction	Steel cabinet
Cooling	1 x 12cm & 1 x 9cm Fans (Desktop) 6 x 5000 RPM Hot-Swappable Fan (Rack Mount)
Dimensions	(HxWxD) 7 x 16.8 x 20.9in. (178 x 427 x 531 mm) - Desktop (HxWxD) 7 x 17.2 x 25.5in. (178 x 437 x 648 mm) - Rack Mount
Unit Weight (gross)	Approximately 50 lbs (22.7 kg.) - Desktop Approximately 65 lbs (29.5 kg.) - Rack Mount

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

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