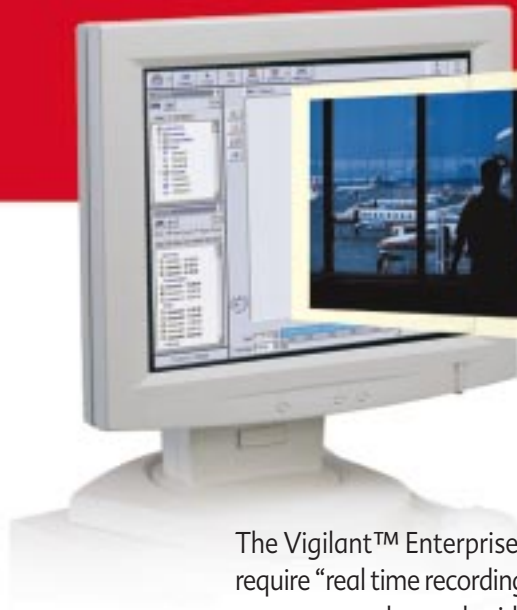# VIGILANT™ Enterprise Series

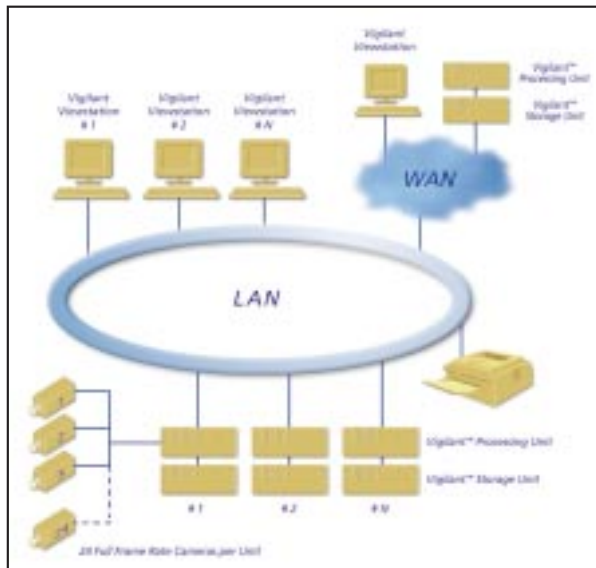## Advanced Digital Recording

VIGILANT™

The Vigilant™ Enterprise Series is designed for those demanding security applications that require "real time recording" of video, for all cameras, **all the time.** The Vigilant Enterprise Series processes and records video at 30 frames per second for NTSC video (25 fps PAL). Video is stored on hard drives for immediate access without the inconvenience normally associated with tape storage.

The Vigilant Enterprise Series solution is comprised of the Processing Unit, the Storage Unit and the Viewstation.

The Processing Unit has two main functions: the translation of analog video to a digital signal and the compression of the digital signal, via software, on a specially designed platform incorporating the latest Digital Signal Processors.

A single Vigilant Enterprise Processor can accept up to 24 cameras in 8 camera increments. For larger applications, Processing Units are networked creating a modular system to accommodate any number of CCTV cameras. The Vigilant Enterprise Series is designed with "no single point of failure" architecture; each processing unit functions independently. The Vigilant Enterprise Processing Unit also performs the role of video server for video stored on the Vigilant Storage Unit, allowing for immediate viewing of both live and playback video on any Vigilant Viewstation.

All Vigilant Storage Units contain SCSI hard drives in a RAID array. These units are available in multiple sizes in relation to the total amount of days of storage required per camera. The Storage Units operate on a first in/first out (FIFO) basis in accordance with user specifications. Users also have the ability to lock videos on the hard drive, thus removing them from the normal FIFO storage cycle.

The Vigilant Enterprise Series incorporates video streaming technology, which allows users to view video immediately from any point on the video stream.

The Vigilant Viewstation allows users that are familiar with Microsoft® products to master the graphical user interface (GUI) functions in just a matter of minutes. After login, all functions are easily completed with the simple use of the mouse. The Vigilant Viewstation also includes drag and drop commands along with the standard Microsoft tree for locating cameras and video servers, ultimately providing the easiest system to operate in the security industry today.

VIGILANT™ Enterprise Series

Features	Benefits
• Recording rate, 30 NTSC /25 PAL frames per second per camera	• Fastest recording rate possible per camera to ensure no loss of events.
• 8/16/24 cameras per Processing Unit	• Scalability allows the system to grow as needs increase.
• Multicast live viewing over digital networks	• Allows multiple users to access live or recorded video across the network.
• Multiple Viewstations working simultaneously	• Multiple operators can work simultaneously on the same network sharing available bandwidth.
• View live and playback video on one screen at the same time	• Full duplex ability to view live and playback videos even from the same camera.
• View videos in full screen or quad display	• Flexibility to increase video to full screen or view 4 videos simultaneously.
• Immediate playback of video	• No need to wait long periods of time to search and download an event.
• Event marking	• Tool that provides specific time and date as to when events occurred.
• Recording scheduler	• Allows administrators to program recording times or event recording for all cameras daily or weekly. Also allows for increased recording duration.
• Pre and post event recording	• Enables the user to view video prior to and following an event.
• Internal digital video motion detection	• The ability to sense movement in predefined areas of the field of view, reducing the need for external alarm devices.
• Sherlock™ activity search	• Significantly reduces search time when looking for movement of a specific object.
• Video export	• Allows video footage to be stored on CD or other storage media. Exported images can also be distributed by e-mail for playback with Windows® Media Player.
• Print frame	• Print video frame to local or networked printer.
• Digital zoom	• 6x zoom during playback.
• Fast forward up to 30 times from the original speed	• Shortens the amount of time needed to review recorded video. Review an entire day in less than one hour.
• Slow viewing — frame by frame	• Allows users to analyze each and every frame of recorded video.
• Multi-level security	• Prevent unauthorized access to the system.
• Image encryption	• The process that ensures the integrity of the stored video. This process can be verified by using Vigilant™ Authentication Software.

Technical Specifications

Processing Unit

System Processor
CPU	Min. Pentium III / 600
RAM	128 MB
Operating System	Windows 2000
Compression Standard	MPEG-1
LAN Card	Internal 10 / 100 Base T

Inputs
Video	BNC Type, Multiples of 8, Max. 24 per unit

Recording Bit Rate
Variable	Approx 0.4 Mbit / Sec

Recording Rate
NTSC	30 frames per second per camera
PAL	25 frames per second per camera

Picture Size
NTSC	352x240
PAL	352x288

System Administration
Multi-level security

Network Protocol
TCP/IP, UDP/IP
Connector Type	RJ-45

Electrical
Multi-Std. Power Input	110V/60Hz; 220V/50Hz
Power Consumption	190 Watts

Dimensions
Height	177 mm / 7"
Width	482 mm / 19"
Depth	450.8 mm / 17.7"
Weight	15.5 kg / 34.4 lb without cards
	16.5 kg / 36.4 lb full capacity

Case Characteristics
Rack Mount	19"

Storage Unit

Video Storage
Smart RAID SCSI Hard Drive
Optional Tape Jukebox

Electrical
Multi-Std. Power Input	110V/60Hz; 220V/50Hz
Power Consumption	220 Watts

Dimensions
Height	177 mm / 7"
Width	482 mm / 19"
Depth	450.8 mm / 17.7"
Weight	15.5 kg / 34.4 lb without disks
	23.5 kg / 51.8 lb full capacity

Case Characteristics
Rack Mount	19"

Certifications
FCC part 15	Class A
Safety Standard	EN 60950
EMC Standards	EN 55022 Class A
	EN 61000-3-2
	EN 61000-3-3
	EN 55024

Vigilant™ Viewstation

System Processor
CPU	Min. Pentium III / 600
RAM	128 MB
Operating System	Windows 2000
LAN Card	Internal 10 / 100 Base T
VGA Card	32 MB
Memory	IDE 10GB
	Floppy Disk 1.44
Backup Device	CDRW

Electrical
Multi-Std. Power Input	110V/60Hz; 220V/50Hz

- All specifications are subject to change without notice.

VIGILANT TECHNOLOGY

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