

Enterprise Storage Manager

Managing Video As Cost Effectively As Any Other Enterprise Data

Enterprise Storage Manager (ESM) is a high-performance, fault-tolerant video storage software solution that optimizes storage device use and ensures secure, rapid, and transparent video access.

ESM enables organizations to choose the storage that best meets their needs from the vendors who offer the most value. With ESM, organizations can store video using their established storage infrastructures and manage video storage using their standard data storage policies — *just as they would manage any other data.*

Delivering High Availability and Transparent Video Access

For short-term retention, ESM can store video online using performance-enhancing RAID technology. For longer periods, video can also be stored in a central storage repository on the Local or Wide Area Network (LAN/WAN). This redundancy helps ensure that data is available, even in the event of equipment failure.

ESM automatically adjusts for varying video streams and network bandwidth, copying data from the Digital Video Server at a controlled pace. This prevents excessive bandwidth usage and permits users to view live and recorded video while ESM copies video files.

With ESM, users can access video images anytime and anywhere, without having to specify where the video is stored.

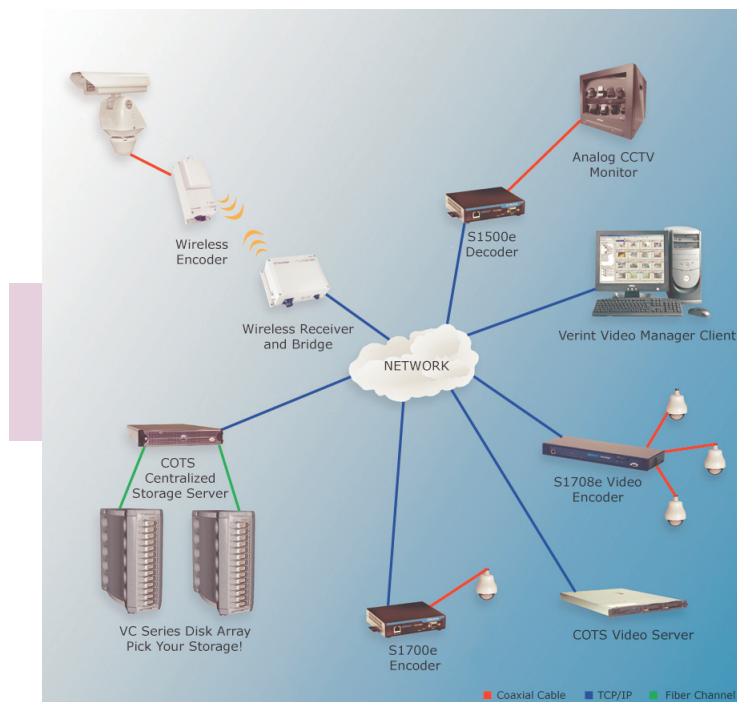
Optimizing Storage Resources and Scaling to Accommodate Demand

ESM helps organizations ensure that video is retained for as long as required, efficiently and cost effectively.

With ESM, organizations can store video for pre-set periods of time and assign specific retention periods to each camera. ESM's advanced grooming algorithm tracks the images to be retained to help ensure that adequate storage is always available.

With Enterprise Storage Manager, organizations can manage video images efficiently and cost effectively.

- ✓ High-performance video storage software
- ✓ Leverages industry-standard storage solutions
- ✓ High availability, reliability, scalability
- ✓ Designed for operation on heterogeneous storage platforms
- ✓ Accommodates emerging storage technologies
- ✓ Transparent video access
- ✓ Delivers long-term return on investment



ESM supports both local and centralized video storage with transparent video access.

Designed to optimize storage use, ESM uses storage pools to share disk storage among large numbers of high- and low-motion cameras. ESM's dynamic storage pooling automatically stores video wherever space is available, reducing wasted space. And ESM readily scales to accommodate growing demand; users can increase storage capacity simply by adding disk storage to the central storage system.

Meeting Enterprise Needs Now and in the Future

The Total Access Partner Program™ promotes certified interoperability with complementary storage solutions and other best-of-breed offerings.

System Specifications

ESM uses Commercial-Off-The Shelf (COTS) servers that may be purchased with the following specifications:

Processor:

- Intel Pentium 4 - 2.6 GHz or higher
- Intel Xeon - 2.6 GHz or higher

Operating System:

- Windows 2000 Professional or Server, Service Pack 4 or higher plus Hotfixes
- Windows XP Professional, Service Pack 1 with Hotfixes
- Windows 2003 Server with Hotfixes

1GB RAM

CD-ROM drive

18 GB or larger boot drive

SCSI or fibre channel controller, as required

One 10/100/1000 Ethernet NIC or one 10/100 and one 10/100/1000 Ethernet NIC

Dial-up modem or server management adapter for troubleshooting and out-of-band management functions

Multiple gigabit Ethernet NICs supporting adapter teaming (optional)

Rack-mountable chassis

Enterprise Storage Configurations

ESM software is available in capacities from 100 GB to 50 TB to help organizations meet current and future needs.

Storage Devices

ESM supports virtually any central disk storage device, including disk arrays with Fibre Channel or SCSI connectivity and Storage Area Networks (SAN). 42-bay disk arrays (RAID-5) with 14, 28, and 42 drives are available directly. ESM provides throughput to the storage devices at up to 25 MB per second.

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