



## vt media archive library...a closer look

Video Technics' Media Archive Server integrates seamlessly with NewsFlow™ and the complete line of Apella™ Media Servers to provide the highest quality of asset management control with security options and nearline/offline archiving solutions.

### Archiving to Fit Your Needs

Apella Media Servers offer asset protection with user profiles, user group settings, and storage quotas which set recording parameters and manage disk space. Apella Media Servers come standard with an Export to Folder function and seamless support for the Atempo® Time Navigator™ middleware product for small or large nearline and archive solutions utilizing LTO technology.

### End-to-End Solution

The VT Media Archive Library (VT-MAL) features Qualstar's BQ20/44, which combines a high performance server with proven RLS-Series robotic tape libraries. The VT-MAL archives 3,283 hours of 25 Mb/sec MPEG-2 content for automated retrieval in just 7U of rack space in your control room.

### Hardware Overview

Content is stored on a combination of hard disk and digital data tapes, and shelved tapes can still be managed through the VT Media Archive Library. All tapes are controlled by barcode, making retrieval from the shelf fast and easy.

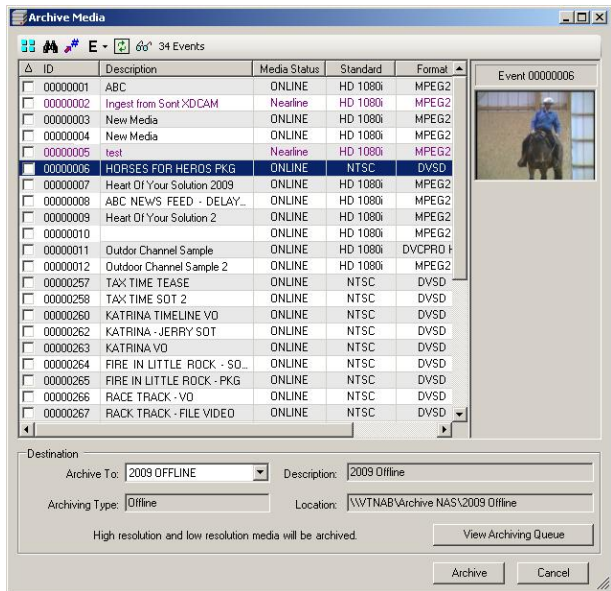
The VT-MAL is fully engineered for continuous operation, incorporating 3TB of raw hard disk with RAID (0,1,5) configurations and the latest dual-core CPU technology running Windows 2008 Server Edition.

This highly scalable archive solution starts out with 20 cartridge slots and is upgradable to 44 slots, storing 1,440 hours of DV25 near-line in addition to 210 hours on hard disk.

All tapes are stored in removable magazines. Each magazine holds four LTO-4 tape cartridges storing 288 hours of video at 25Mb/sec. The barcodes for each tape can be viewed through a clear plastic cover to enable rapid selection of a video clip that is to be restored from the shelf.

Start out with a single high performance IBM LTO tape drive and add a second as throughput demands increase. A second LTO drive allows simultaneous reads and writes which greatly improves performance. This system is so simple to install and operate that you can expand it yourself as your needs grow, lessening your initial outlay and reducing operating costs.

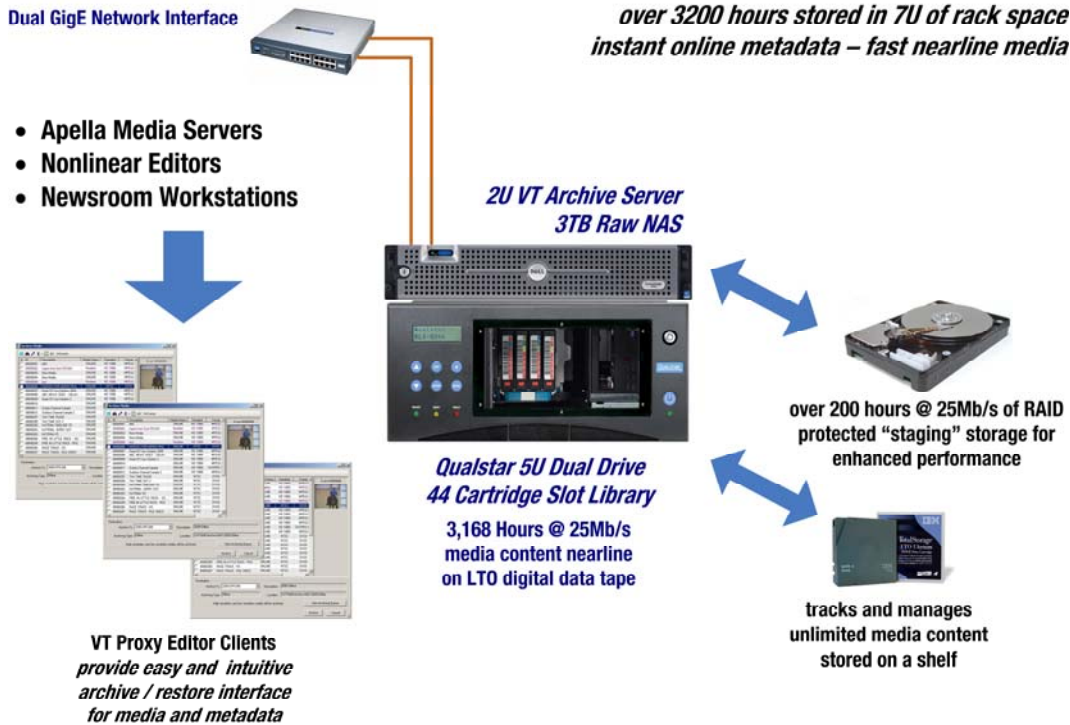
The VT Media Archive Library tracks nearline and offline media for your growing archive. In fact, you have unlimited capacity since tapes are bar coded and easily removed for external storage.



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## System Benefits

- Low initial entry cost
- Flexible storage designed to adapt to your workflow
- Readily expands in the field as your archive needs grow
- Fully integrated system with on-site service and support from a single vendor
- Compact, easily managed unlimited offline archive capacity



## Fully Integrated SD/HD Media Archive System

- 778 - 1642 hours of video @50Mb/sec.
- 1,555 – 3,283 hours of video @25Mb/sec.
- 3,890 – 8,210 hours of video @10Mb/sec.
- Media archive server with 3TB NAS
- Built-in RAID protection (0,1,5)
- Nearline digital data tape robotic library

### System Specifications

#### Media Archive Server

- 2U rack mounted chassis
- Dual quad core Intel 2.0 GHz processors
- Windows 2008 Server Edition
- 2GB DDR2 RAM
- 3TB Raw SATA RAID 0,1,5
- Dual redundant power supplies

#### Robotic Tape Library

- 5U rack mounted chassis
- Single LTO-4 tape drive
- 20 cartridge slots (scalable to 44)
- Barcode reader
- 5 removable 4 slot magazines
- Single 250W power supply
- Remote browser monitoring & management software

- Atempo® hardware administration interface
- Uniform LTO-4 media format
- Each LTO-4 data cartridge can store:
  - 36 hours of video@50Mb/sec
  - 72 hours of video@25Mb/sec
  - 180 hours of video@10Mb/sec

### Upgrade options

- System can be expanded to 44 slots in 8 slot increments
- Dual LTO-4 drives (second drive can be added at any time)
- Dual redundant library power supplies
- Atempo® software applications and options to extend auto backup, archive and restore functionality to other systems while sharing the same hardware resources

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