

Preserve your Past Protect your Future



Affordable & Flexible
Videotape Ingest Solutions;
Purchase ■ Lease ■ Digitization Services
(on/off-location)



ViTaDi Turnkey Solutions



Back to the Future of Media

It's time to "clear the decks" and move forward into the digital age, once and for all. Alteran's ViTaDi (ViTaDi = Video Tape Digitization) automated ingest solutions are straight forward, flexible and easy to operate. Our open architecture design easily integrates into your existing workflow and is future-proofed for additions like metadata, transcoding and quality control.

ViTaDi Systems are efficiently custom manufactured from new, refurbished and retrofitted videotape equipment, achieving unprecedented value-added pricing that maximizes your return on investment. They can be purchased, leased and are available for migration services at our state-of-the-art service bureau. It is our priority to provide you with a solution that fits your archive size, timeline and budget.

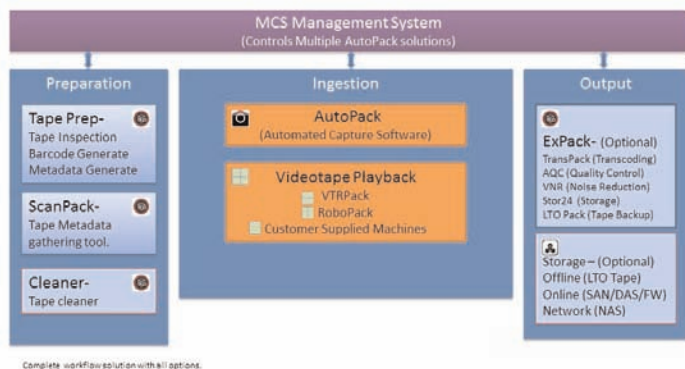


Figure 1: At the heart of all ViTaDi turnkey capture systems is the AutoPack, a 4-Channel capture system flypack containing an Ingest Engine, monitors and onboard and storage. The AutoPack works with most RS-422 controlled VTRs.

Modular- ViTaDi systems are scalable to any size tape library. Modular system components are easily configured to operate in either robotic mode (for Betacam, Digibeta, VHS and D2 tapes) or semi-automatic mode (for U-matic and other RS-422 controlled VTR formats). (See figure One) The ViTaDi product line is expandable as well, allowing you to manage automatic tasks such as; quality control, transcoding and tape backup.

Whether you use the VTRPack (semi-automatic) or the RoboPack (automatic) or customer-supplied VTRs, once the tape is loaded ViTaDi takes over, ingest starts and completes itself automatically. The software handles all tape transport functions (rewind, play, f-fwd, etc.) making sure that every bit of content on the tape gets captured. Both pre-capture and post-capture confidence monitoring is available to the system operator.

Mobile - ViTaDi system component flypacks can be easily moved in and out of your company's multiple facilities or tape vaults (through the front door!) and can be setup and working within minutes.

Manageable - You don't have to be a broadcast engineer or rocket scientist to use ViTaDi systems. ViTaDi software packages allow the operator to easily control the ingest process and manage it discreetly at all times.

ViTaDi Master Control Software

Between You and getting the Job Done

Two different software packages, ACS and MCS, were developed to meet every budget and address varying functional requirements. Both software packages start out with a user-friendly GUI (Graphical User Interface) that's logically ordered and intuitive.

ViTaDi Autopack, left, and RoboPack, right, work round the clock to achieve the highest digitizing throughput of Betacam or Digibeta tapes.

ACS-Automatic Control Software

ViTaDi's ACS software is the core capture-controlling element to the product suite. It's function is to interface with the source machines and the operator, providing a seamless tool for managing the capture process. Using a simple GUI, the operator can import and manage capture lists, control and monitor the machines being used for capturing and report back on status. The ACS is capable of managing up to 4 capture machines at the same time,



whether interfacing with robotic tape loaders or single, hand-loaded machines. Designed with the operator in mind, once configured the ACS can be used by anyone who understands how to handle the original media being captured. It can also function as a single stand-alone software (non-scalable), without the need of a separate database or network system to work.

MCS-Master Control System

ViTaDi's MCS software is the managing tool for the entire capture process, from metadata creation through final output media organization. This software suite contains multiple managing elements including; the ACS capture-controlling element, a complete web-based management tool and matching SQL database. The MCS is designed for managing not just the capture process, but the physical assets themselves as they go through the capturing process.

One MCS can also manage multiple instances of the ACS software, allowing each of those capture stations to run off one database and control screen. After capturing, the MCS can manage an optional transcoding and quality control subsystem, as well as final data location that includes tape backup drives. Because the MCS is network based, it allows remote access and management, on top of having controlled departmentalized functionality for more secure operation. Other MCS

features include flexible file-naming, remote access, web-based reporting as well as "Smart Cart" location tracking.

Both software packages have multi-clip capture capability and flexible timecode embedding. VitaDi software packages are pre-installed in all purchased turnkey systems.

Other ViTaDi Software Options- AQC & ATS

AQC-Automated Quality Control

ViTaDi's multi-channel Automated Quality Control (AQC) is an extremely unique and highly sophisticated software package that verifies each captured file after the capture process. The AQC verifies not only the quality of the encoded final output file, but also the material in the

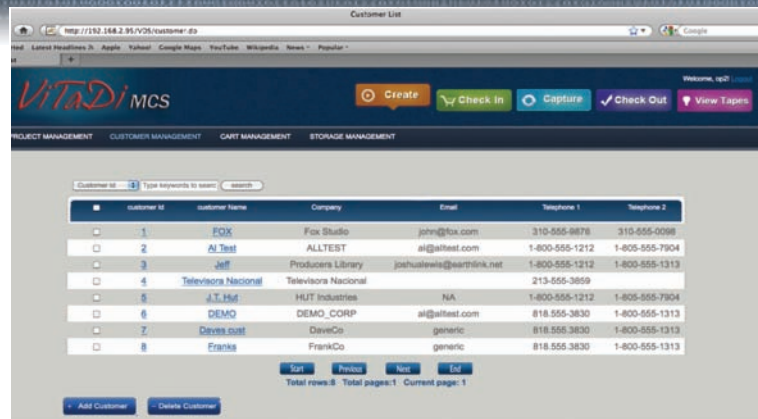


Figure 4: MCS ease of use: 4 guiding steps (Create, Check-in, Capture, Check-out) make the ingest management process as straightforward as possible compared to other ingest software on the market. The MCS is also a multi-user software environment which departmentalizes functionality.

file. Small errors like drop-outs in the video signal or loss of audio are logged and reported in a graphical representation. These log notes will go along with the final output file for later analysis.

ATS-Automated Transcoding System

The Automated Transcoding System is a powerful suite of compression engines that are designed for the rapid transcoding of digital files in faster-than real time. This system utilizes a multi-core/multi-processor computer with direct attached storage for moving high-speed data back and forward. It can accept files from a wide array of originating sources including network, fiber and USB/Firewire. The system can be configured by the MCS or manually depending on the client workflow.

The Future of Your Media is NOW

At Alteran Technologies, protecting the future of your media without breaking the bank is central to our mission. Investing in ViTaDi means maximizing your ROI in a tight economy and more critically, about your making the commitment to preserve your priceless media Past, in its entirety, for Future use.

So Make It Happen...

Contact your local ViTaDi distributor today to determine which solution is right for you. System demos may be scheduled at your convenience online or on location. Alteran Technologies also offers a free quality assessment using a sample tape from your archive.



Alteran Processing Laboratory (APL) Mass Media Migration Service Bureau

APL, our In House Service Bureau, offers affordable and rapid solutions for digitizing your videotape library. APL incorporates new and legacy certified hardware and software operated by highly trained engineers and technicians converting standard or high definition analog or digital videotapes to multiple output file formats packaged for retrieval and storage based on your specifications. Tapes shipped to our facility are logged in using a proprietary inventory tracking software that oversees each step of your workflow process.

Services include:

- Multi-format encoding
- Detailed reporting and tracking
- Automated quality control
- Metadata logging with automatic embedding of client data
- Tape Cleaning
- Short or long-term on-site storage



Technology Partners



The ViTaDi capture solution utilizes Telestream's Pipeline, an industry first network-based video capture device delivering reliable robust video encoding plus high-volume scalability.



An award-winning asset management tool at the heart of your workflow integrating seamlessly with the ViTaDi ingest product line. Outstanding features include a metadata logging management tool which enables subclipping and tagging of media.



Archive storage appliances using LTO-4 and LTO-5 tape drives providing simple to deploy networked storage systems which directly integrate with ViTaDi ingest systems.



Interra's Automated Content verification software, Baton™ ensures content readiness of file-based media, handling a large number of formats and delivering complete quality checks.



Cinnafilm's software-based Dark Energy suite visually optimizes, converts and repurposes video images. ViTaDi Ingest Systems smoothly integrate with Pixel Strings™ the world's fastest, most accurate GPU-base image processing engine.



MWA's flashtransfer telecine machine integrates with ViTaDi capturing solution for seamless film transferring in real time. A high-resolution SD images sensor with automated or manual color correction tools can even cleanly process damaged film.

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