

Shared Media Access from Ingest to Delivery

A COMPLEMENTARY WORKFLOW SOLUTION: STORNEXT AND TELESTREAM

Conventional networks and storage, like Network Attached Storage (NAS), are not designed to share large media files in an efficient and timely manner. These types of networks and storage devices are primarily designed for small file transactions like database records and emails. Even newer clustered NAS solutions use NFS or CIFS protocols, which are not tailored for the throughput requirements for video encoding and transcoding. As a result, using these devices in studios, post-production houses and broadcast facilities means compromising network performance, human resources and time-to-market. Quantum and Telestream provide a seamless solution for transcoding your media assets and sharing them across multiple applications.

PROVEN SUCCESS: STORNEXT AND TELESTREAM

No matter what applications drive your workflow, Telestream and Quantum have the solutions to support a wide range of video and audio formats in a shared storage pool environment. Telestream's Pipeline multi-user capture product, Vantage workflow management product, and multi-format transcoding products like Episode, FlipFactory, Vantage Transcode, or Agility 2G automatically create and manage a wide range of professional digital media formats that are all natively supported by Quantum's StorNext data management software. In addition to Telestream's extensive qualification of StorNext, including a permanent engineering lab configuration, a number of entertainment customers have proven that StorNext and Telestream solutions work seamlessly together. Dozens of major broadcasters, studios and post-production facilities have benefited from the combined solution.

COMBINED STRENGTHS

StorNext provides a flexible repository for raw files being captured from VTRs and live feeds through Pipeline. StorNext is able to handle high performance workflows, like using Pipeline to provide multi-camera live event capture, and multiple editors accessing the same files in real-time on their Mac Pro editing workstations. For content already captured, say ingested from HD/SLR cameras, StorNext can create a single pool of storage for multi-user access that can be accessed by Telestream's Vantage workflow management and video transcoding products to automate content production and enable multi-channel distribution workflows.

For digital assets that require extended retention times or increased protection, StorNext Storage Manager automatically moves files to less expensive and longer lasting storage medium (disk and/or tape). These files still appear as though they are part of your primary storage tier—available to creatives through a click of the mouse. This enables content producers to provide immediate access to long tail content—combining with Episode, Vantage Transcode or FlipFactory to enable distribution models as simple as right-click, transcode and send. Additional features like the ability to spread the tiered data workload across multiple X86 servers makes the archival of mass digitization and transcode projects much faster.

Interoperability between all Telestream products and StorNext is seamless and easy to implement without requiring any special coding or complex integration. Telestream products simply see the StorNext File System, whether accessing through a SAN-based connection or LAN connection, as a native Windows volume with all file structures and native protections retained. Given StorNext's strong interoperability with Apple Xsan, Telestream applications running on Mac can access the same, single pool of storage.

Any single file within StorNext can be natively accessed by Windows, MAC, Linux and UNIX based applications within the production workflow without modifications to the application. StorNext enables multiple writers within applications like Vantage or Pipeline to simultaneously access the same file share or even the same file.

SOLUTION BRIEF



Telestream

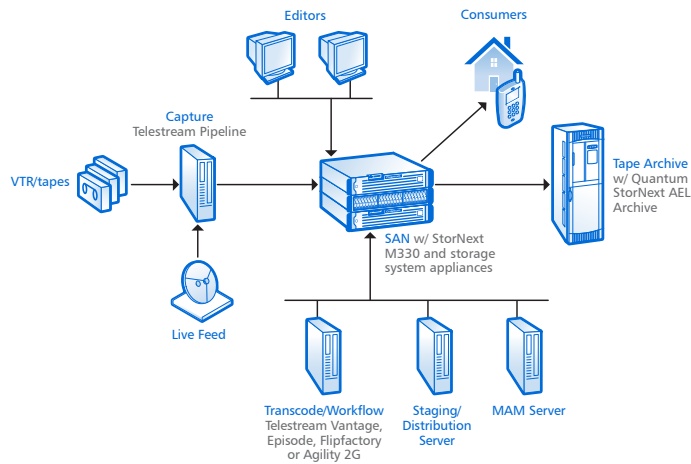
SOLUTION PROFILE

- Streamline workflow processes for faster completion of media projects
- Fast, efficient file transfer between workstations & storage devices
- Seamless access to Apple's Xsan networked storage devices
- Consolidate multiple storage devices into a single shared storage pool
- Generate more revenue through automated archival and retrieval of long-tail content for on-demand transcode and delivery
- Proven interoperability between Telestream's Vantage, Agility 2G, FlipFactory, Pipeline and Episode with Quantum's StorNext

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The combination of Telestream workflow and transcode products and StorNext SAN file system creates a powerful platform for enhancing workflow efficiency and performance. The example diagram above depicts a common broadcast workflow environment.

- Analog video assets are ingested live or via VTR and captured by Pipeline, cataloged and stored in StorNext
- Digital video assets are transcoded into the required file formats by Episode, Vantage, FlipFactory or Agility 2G
- Vantage provides enterprise-class system management and control of the transcode workflow
- Less frequently accessed files can be tiered to cheaper storage or archival by StorNext Storage Manager—for quick retrieval and transcode when revenue opportunities arise

ABOUT TELESTREAM AND ITS PRODUCTS

Telestream provides world-class live and on-demand digital video tools and workflow solutions that allow consumers and businesses to transform video on the desktop and across the enterprise.

Many of the world's most demanding media and entertainment companies as well as a growing number of users in a broad range of business environments, rely on Telestream products to streamline operations, reach broader audiences and generate more revenue from their media.

Telestream products span the entire digital media lifecycle. Pipeline network video capture and playout devices seamlessly move video and audio in and out of file-based workflows. Vantage Transcode, FlipFactory, Episode, and Agility automate video and audio transcoding from virtually any source to virtually any destination format and device. In addition, Vantage and Agility 2G provide management of high-volume workflow processes.

Telestream also offers a live video production and streaming software tool that allows anyone to easily create professional broadcasts for the web.

Telestream products are backed by a highly-skilled technical team and professional services experts who provide the quick & comprehensive support and guidance that users need to fully leverage the power of their Telestream products.

About Quantum

Designed for media and entertainment companies, StorNext streamlines workflow processes and enables faster completion of projects. Using StorNext, applications running on different operating systems (Windows, Linux, UNIX, and Mac OS X) can simultaneously access and modify files on a common SAN storage pool. This centralized storage solution eliminates slow file transfers between workstations and dramatically reduces delays caused by single client failures. To simplify deployments, StorNext is also available as a family of appliances—including the StorNext M330 Metadata Controller appliance and a number of storage system options.

The StorNext G300 Gateway Appliance provides Ethernet-based access to the common SAN pool through a proprietary protocol designed for larger block transfers, specially built to handle Big Data files like video.

StorNext also includes optional archive functionality to reduce the cost of long-term data retention, without sacrificing accessibility. StorNext Storage Manager transparently migrates digital assets to a secondary storage tier of disk or tape. This enables customers to store more files at a lower cost without having to reconfigure applications to retrieve data from multiple locations. For customers using tape, the StorNext AEL Archive provides a simplified archival solution with a compelling slot-based pricing model for investment protection. StorNext also performs a variety of additional data protection services to guarantee that data is safeguarded both onsite and offsite, such as vaulting, replication and data deduplication.

To contact your local sales office,
please visit www.quantum.com

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About Quantum

Quantum Corp. (NYSE:QTM) is the leading global specialist in backup, recovery, and archive. From small businesses to multinational enterprises, more than 50,000 customers trust Quantum to solve their data protection, retention and management challenges. Quantum's best-of-breed, open systems solutions provide significant storage efficiencies and cost savings while minimizing risk and protecting prior investments. They include three market-leading, highly scalable platforms: DXi®-Series disk-based deduplication and replication systems for fast backup and restore, Scalar® tape automation products for disaster recovery and long-term data retention, and StorNext® data management software for high-performance file sharing and archiving. Quantum Corp., 1650 Technology Drive, Suite 800, San Jose, CA 95110, (408) 944-4000, www.quantum.com.