

A Complete Solution for Media Asset Management, Content Production and Archive

Quantum StorNext and Primestream FORK

A major challenge for modern-day content providers, whether news, sports, or production, is the ability to integrate the full workflow—from ingest to edit to archive to distribution—while linking in the newer consumption methods like tablets and social media. Primestream's FORK, which is now seamlessly integrated with the Quantum StorNext® solution portfolio, provides a complete software toolset offering full media asset management (MAM), automation, archiving, and multi-facility collaboration.

LARGER VOLUMES OF INCOMING CONTENT

Media enterprises are faced with larger quantities of ingested content and more diversity in the variety of screens this content needs to be delivered—nearly instantaneously. Building a workflow through cobbled-together parts can be costly and require large systems integration expenditures. Quantum and Primestream provide a pre-integrated solution to more easily deploy a content production and archive workflow. Primestream's software solutions enable collaborative media workflows for multi-screen delivery. While traditional broadcasters benefit from a plug-and-play architecture that allows you to select components from any portion of the media lifecycle, new media providers benefit from the ability to share content with multiple facilities. Newer enhancements in Primestream's FORK portfolio for both broadcasters and content providers alike include FORK Xchange, a web-based platform for collaborative workflows across multiple facilities, Mobile2Air®, enabling users to submit video content recorded on mobile devices directly to FORK Production and Playout systems, and FORK Social for social media publishing, allowing you to better monetize your content.

Quantum's Xcellis™ workflow storage, which is built on StorNext 5, is designed to handle video and audio content that is growing at high rates. StorNext provides content preservation solutions that are scalable to PBs, cost-effective and easy to manage—all exposed through a simple, file-based interface. These solutions provide the ability to archive projects under the control of FORK to Scalar® tape, lower-cost disk tiers, Lattus™ object storage, or even Q-Cloud™ public cloud and then retrieve quickly when requested.

Both FORK and StorNext are open and hardware-agnostic—whether it is the editor (using tools from vendors like Avid, Adobe, Apple), Newsroom Control System (Avid iNews, AP ENPS), or archivist's environment. StorNext AEL Archives provide an automated and scalable content archive solution capable of storing 50TBs through hundreds of PBs.

Quantum StorNext 5 is one of the few storage solutions that provides a high-performance collaborative workflow environment able to handle 4K and beyond media formats, enabling FORK's Ingest, Editor, and Playout components to work on top of a single-vendor storage solution.



SOLUTION PROFILE

The combined Primestream and Quantum solution is ideal for:

- Broadcast environments
- Newsroom and call-letter stations
- Sports organizations
- Repurposing and monetizing content on-demand across geographically distributed locations
- Managing large archives of content

Benefits

- Tight integration with StorNext 5 allows individual assets to be stored and retrieved from the archive
- Unified, end-to-end workflow; integrated enterprise search across the archive
- Multi-platform support enables multiple applications to write and retrieve content from the MAM
- Highly configurable, scalable, and well-proven
- Archived content can be included in dynamic metadata-driven workflows

Base Archive Configuration - Components

The base configuration environment includes:

- Primestream’s FORK, including the following components:
 - FORK Production Suite for asset management*
 - FORK Archive for Quantum
- StorNext Pro Studio solution, including:
 - StorNext Xcellis™ Workflow Director appliance
 - QXS-412 RAID Storage
 - Optional AEL500 Archive

This base configuration provides:

- An appliance-based storage management environment for your FORK media asset library
- 48TB raw space of local, performance disk
- An integrated tape library starting with over 246TB of active tape capacity with vaulting capabilities, expandable to 2.4PB

Expansion Options:

Whether you are ready now, or planning on growing in the future, Primestream and Quantum are ready to grow with you using:

- Additional Primestream components, including:
 - Ingest, Editor, Live Assist, Logger, Xchange, Social, Mobile2Air, Control Station and Payout
- Expanded working capacity with additional drive enclosures. Additional controllers can be added with additional enclosures for up to 1.7PB (2.1PB raw).
- Expanded bandwidth with additional storage. By expanding the storage with QXS-412 RAID storage and expansion systems, the system can easily accommodate more clients and deliver greater performance and capacity.
- Expanded archive capacity up to 225PB of active vault with the AEL6000 Tape Archive
- Increased file count and additional file systems with the Xcellis expansion units. Xcellis can scale up to 64 file systems and 1.4 billion “managed” files.
- Additional attached SAN and network workstations can be added up to 1500 total clients

**Primestream’s FORK Production Suite requires a separate X86 server, with the expansion options to run the MAM database. Depending on required workflow and load, the total number of servers could change.*

MAKE YOUR ARCHIVE PART OF YOUR ACTIVE WORKFLOW

Given its heritage as a software manufacturer for broadcast and enterprise organizations, Primestream is uniquely positioned to customize the packaged solution to your unique workflow. Primestream’s solutions are proven and have been deployed in industry-leading companies worldwide.

StorNext AEL Archives deliver a reliable, self-monitoring and self-healing, high-capacity appliance intended for the long-term storage of near-line content. Quantum is the only vendor in the industry that offers policy-based tape data integrity checking, giving customers the additional assurance of knowing that the data is being tested and validated on a continuous basis. And the unique slot-based pricing model preserves your investment—effectively doubling your capacity with no additional software license fees when moving from LTO-7 to future LTO-8 tape technology.

THE FORK ADVANTAGE

Primestream’s software solutions enable broadcasters and media organizations to create, manage, and distribute content over the air, via satellite, and to “second” screens such as mobile phones, tablets, and the Internet. The FORK line of products combine multiple modules in a single, integrated software suite. This feature set includes industry-leading media asset management, advanced metadata, and scripting that empowers media organizations to implement automated workflows. FORK solutions free media professionals to do what they do best—create.

THE STORNEXT ADVANTAGE

In addition to providing a local archive for FORK, StorNext Pro Solutions provide a complete, high-performance shared storage pool to other media applications. Content is held on the most appropriate disk and tape tier, freeing up valuable high-performance disk and providing cost-effective long-term storage.



ABOUT QUANTUM

Quantum is a leading expert in scale-out storage, archive and data protection. The company’s StorNext® 5 platform powers modern high-performance workflows, enabling fluid, real-time collaboration and keeping content readily accessible for future use and re-monetization. More than 100,000 customers have trusted Quantum to address their most demanding content workflow needs, including top studios, major broadcasters and cutting-edge content creators. With Quantum, customers can Be Certain™ they have the end-to-end storage foundation they need to manage assets from ingest through finishing, and into delivery and long-term preservation. See how at www.stornext.com.

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