

## Optimize Production and Broadcast Workflows

### A Complementary Solution: Quantum StorNext® and Dalet Digital Media Systems

Dalet Digital Media Systems offers comprehensive, open solutions geared to helping broadcasters and content producers move to the digital era and implement workflows for news, sports and entertainment production as well as solution for archiving, repurposing and Enterprise Media Asset Management in SD and HD. Dalet Digital Media Systems take advantage of the latest, high-performance, mission-critical technologies to deliver unparalleled interoperability, 'log-on anywhere' access and innovative concurrent workflows. At the core of Dalet products is a comprehensive Media Asset Management platform that integrates powerful production tools to ingest, edit, play-out, archive and repurpose content. Dalet products are based on industry standards, including Microsoft Advanced Server, Microsoft SQL 32 and 64 bits and XML based messaging. Dalet products leverage IT clustering, networking and storage management along with best-of-breed, modern broadcast equipment to ensure 24/7 mission critical operations.

Dalet's solutions rely on high performance, high availability storage. Quantum's StorNext intelligent data management software is a cornerstone of this quick, resilient environment. Quantum—the leading global storage company specializing in backup, recovery and archive—is partnering with Dalet to deliver multi-tier broadcast storage archives, automatically and seamlessly moving data between different disk and tape resources to create high performance, scalable storage systems and reduce cost. Quantum's StorNext SAN File System and Storage Manager allows Dalet media back office servers to be connected via a fiber link directly to the central storage, accelerating drastically media processes such as rendering, conversions, or transfers to video servers. This is mandatory when it comes to large HD installations.

The resulting platforms allow for drastically improved workflows. Source material, work in progress and finished packages are shared and instantly available on every desktop—or remotely. Users produce more stories and packages in less time with unique rights-managed workflow engine that enhance collaboration and productivity. Metadata is captured automatically, reducing the burden of manual data entry and accelerating access to online or archived material. Further, Dalet integrated asset management and archive capabilities enabled by StorNext Storage Manager supplies quick access to online, near-line and archive storage allowing broadcasters to replace expensive and cumbersome analogue libraries with fast-access, compact digital ones.

#### QUANTUM'S STORNEXT AND DALET DIGITAL MEDIA SYSTEMS

- 'Broadcast-aware' storage solution transparently moves data between storage tiers, including external appliances, for simplicity, scalability and economy
- Streamlines workflow processes for faster completion of projects
- Consolidates multiple storage devices into a single shared storage pool
- Wide variety of video formats supported, including MXF, DV, DVCPro, DVCPro HD, XDCam HD
- Support for partial file restore, retrieve only the requested short clip—not the complete asset
- Multi-tier archiving enables continued access to broadcast data while reducing storage costs
- Shared access to SAN storage devices and Apple® Xsan™ environments
- Heterogeneous: supports broadest range of broadcast server platforms and storage for greater collaboration and fewer delays
- Integrated data protection and remote monitoring and alerting simplify service and safeguard data over its lifetime
- Open environment preserves broadcasters' choice and eliminates dependence on any single vendor



#### FOR MORE INFORMATION, CONTACT:

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## QUANTUM STORNEXT AND DALET ENTERPRISE EDITION

Quantum's StorNext data management software sets the standard for high speed, shared workflow operations and large scale, multi-tier archives. It creates shared pools of data so critical broadcast files can be processed faster. With StorNext, files are directly and easily accessible to all hosts without having to pass files over slow network connections. The combination of Quantum StorNext and Dalet Digital Media Systems enables broadcasters to connect archive storage to production storage and deliver digital workflow.

The complementary solution provides transparent access to a tiered storage system where customers get almost unlimited storage capacity—highly cost-effectively. Better still, the user's workflow, or even the existing infrastructure does not have to be changed. Access to archived resources is non-disruptive because StorNext automates and hides the data movement. The result is quicker restores and faster time-to-air for broadcast material, improved efficiency and reduced cost. Moreover, the StorNext-Dalet solution accelerates processing, helps broadcasters finish projects faster, and make it easier to re-use assets.

## INTEGRATE DIGITAL WORKFLOW SIMPLY AND EFFECTIVELY

Dalet Enterprise Edition uses standard IT platforms and best-of-breed broadcast equipment to provide solutions that meet the mission-critical needs of media professionals. With Dalet Enterprise Edition, broadcasters have the freedom of choice: pick the preferred editing and graphics systems and select the playout platform—then the flexibility to seamlessly integrate Quantum StorNext.

Dalet also adapts to each workflow. It combines a powerful status, task assignment and notification engine with a uniquely flexible schema editor. Metadata fields can be created on the fly and made contextual to ensure that information is collected at every step of the workflow by the right users. Journalists, editors and producers can search and browse for comments and rights associated to any asset, at any time, from anywhere.

Dalet Enterprise Edition includes a comprehensive set of digital production and media management tools. Ingest from tape decks and feeds can be centralised or distributed. Fast editing tools provide simple transitions for quick edits and a number of formats and wrappers are supported to easily interface with third party Non Linear Editors (NLEs) when more sophisticated edits are required. Advanced planning and scheduling combined with full-featured scripting means that rundowns and programs can be rapidly put together. Playout automation and multiplatform content distribution is optimized via dynamic live updates, secondary events while media management remains transparent.

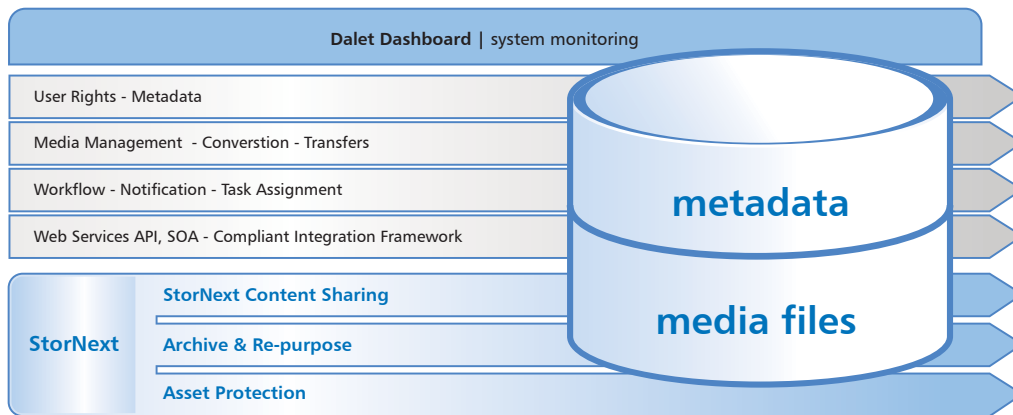
## ABOUT DALET DIGITAL MEDIA SYSTEMS

Dalet is a worldwide leader in software that empowers broadcasters and content professionals to produce and manage audio and video content in a digital, multi-platform world. Dalet media asset management (MAM) solutions streamline production costs and increase revenue opportunities by simplifying the distribution of rich-media assets across both interactive and traditional platforms. Dalet product line operates workflows for News, Sports and Program production, Archives and Enterprise Media Asset Management.

Dalet tools are used around the world by thousands of content producers including major television and radio public broadcasters (BBC, CBC, DR, NPR, RFI, Russia Today, RTM, VOA, WDR), commercial networks (ART, eTV, Grupo Prisa, Prime Television, Fox, Warner Bros., XM Satellite) and government organizations (Queensland JAG, Canadian House of Commons). Dalet is traded on the NYSE-EURONEXT stock exchange (Eurolist C): ISIN: FR0000076176, Bloomberg DLT:FP, Reuters: DALE.PA.

[www.dalet.com](http://www.dalet.com)

# StorNext and Dalet Enterprise Edition – A Fully Integrated Solution



## ABOUT QUANTUM STORNEXT

Ideal for media and entertainment companies, Quantum's StorNext data management software 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 centralised storage solution eliminates slow file transfers between workstations and dramatically reduces delays caused by single client failures. StorNext also includes optional archive functionality to reduce the cost of long term data retention, without sacrificing accessibility. Using Quantum's iMover technology, 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. StorNext also performs a variety of data protection services to guarantee that data is safeguarded both onsite and offsite. StorNext FX enables greater consolidation of workflow processes in Xsan environments to save time and increase productivity. StorNext FX acts as a gateway for high speed data sharing, linking applications running on different operating systems (Windows, Linux, UNIX) to a Xsan storage environment. With StorNext FX, applications running on almost any platforms can share data stored on cost-effective Xserve RAID.

The seamless interoperability between Dalet Digital Media Systems and StorNext eliminates the need for special coding or complex integration. The Dalet solution simply sees StorNext as a native volume with all file structures and native protections retained. Staff can immediately begin sharing data at high speeds.

Any single file within StorNext can be natively accessed by Windows, MAC, Linux and UNIX-based applications without modifications to the application. Using the Dalet Xtend module, this allows an advanced integration with Apple Final Cut Pro NLEs that can edit in place with a direct connection to the SAN infrastructure, even in HD formats. StorNext is built on a high performance shared file system that protects workflow process from downtime by sharing digital assets across multiple workflow servers. If any given server is unavailable, the next available server can continue the job to completion.



For contact and product information, visit [quantum.com](http://quantum.com) or email us at [softwareinfo@quantum.com](mailto:softwareinfo@quantum.com)

## Quantum®

**Backup. Recovery. Archive. It's What We Do.**

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### About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. This includes the DXi™-Series, the first disk backup solutions to extend the power of data deduplication and replication across the distributed enterprise. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.