

MASSStore



End-to-end integrated nearline, archive and asset management system

The MassStore system from Masstech Group Inc. provides an integrated, end-to-end nearline, archive, and asset management solution for advanced broadcast and content management applications. The system interfaces with existing station automation systems, video servers and archives while providing an advanced asset management core for single- and multi-channel environments.

All material within a facility, whether on video servers, intermediary RAID cache, data libraries, or even on media storage shelves, is constantly tracked by MassStore and made available for playout automatically as needed.

Central Core Database

Centered on a powerful Oracle asset management core, MassStore is an extensible future-proof solution that easily fits within existing broadcast infrastructures through direct interfaces to broadcast automation, video servers, inexpensive disk storage, and high-capacity data libraries.

Native support for interface and control through industry standard VDCP, VACP, and NDCP protocols are provided, and the XML MassStore interface allows full system access and control for third party developers.

The MassStore central database provides an active picture of the location of all assets in realtime. The system tracks the content stored on video servers, intermediary cache, data libraries as well as media storage shelves, and provides a Web-accessible view and control of that material, related metadata, and even low-bitrate proxies of the content through one unified interface.

Format Flexibility

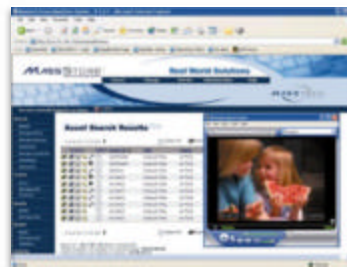
The MassStore system is capable of storing and uniquely identifying different formats of the same asset, such as an SD version, an HD version, and the MPEG4 browse version. In an industry on the verge of multi-format broadcasting, this kind of flexibility will be necessary.

Metadata - the Essence of Assets

MassStore allows dynamic definition of the metadata associated with each asset, and the data structure can be expanded at any point with no negative impact on the system. In addition, the system allows the use of facility specific terminology such that each facility can define their own metadata fields at any point in the asset capture process, even after 10,000 items have already been stored and tracked in the system.



MassStore Web based interface provides an overview of status and actions under Masstech control



MassStore Web based application uses low res proxies to show with frame accuracy assets under its control using standard desktop media players

MassStore™ Features

- Maximizes the amount of storage you can obtain within your budget by effectively extending your video server storage using inexpensive disk storage, high-capacity data libraries, or a combination of both
- Works within your existing playout infrastructure by providing direct interfaces to the most popular automation and video server systems
- Grows with you by allowing additional functionality to be added to the system at any point, including asset management, Low-Res proxy transcode and MPEG2-to-MPEG2 transcode
- Full featured Oracle 9i asset management database provides advanced, web-enabled metadata access and control
- Allows precise control through advanced, configurable policies that can be used to manage asset migration through the system based on essence parameters or related metadata

MassStore building blocks include:

- Interface to broadcast automation systems
- Interface to broadcast video server systems
- Interface to data tape or optical storage libraries
- Interface to low-cost, disk-based devices (SAN, NAS or DAS)
- Advanced policies allow granular control of asset migration to disk/archive devices
- Integrated Oracle based asset management system
- Easy to use Web based interface
- Flexible metadata core allows easy customization
- Open XML interface for third party development
- Direct interface to MassProxy for low-bitrate MPEG4 asset browsing
- Direct interface to MassBrowse for MPEG4 content preparation
- Direct interface to MassAccess for MPEG2-to-MPEG2 transcoding

Supported Equipment

Video Servers:

- Thomson Profile XP Series
- Thomson Profile MAN
- Pinnacle MediaStream 300, 700 and 1600
- Pinnacle MediaStream SAN
- SeaChange BMS and BMC
- SGI O200 and O300

Automation:

- Harris/Louth
- Encoda Systems
- Florical

Data Libraries:

- Sony PetaSite
- Spectra Logic 2000, 10000, 12000, 20000 and 64000
- Asaca TerraCart DVD
- ADIC Scalar Series

Data Drives:

- Sony AIT2 and AIT3
- Sony DTF1 and DTF2
- IBM LTO1 and LTO2
- Toshiba/Panasonic DVD-RAM

Disk Arrays:

- Adaptec DuraStore DAS Array
- MassNAS NAS Array
- IBM FastT700 SAN Array
- SeaChange BML
- Others qualified

Supported Standards

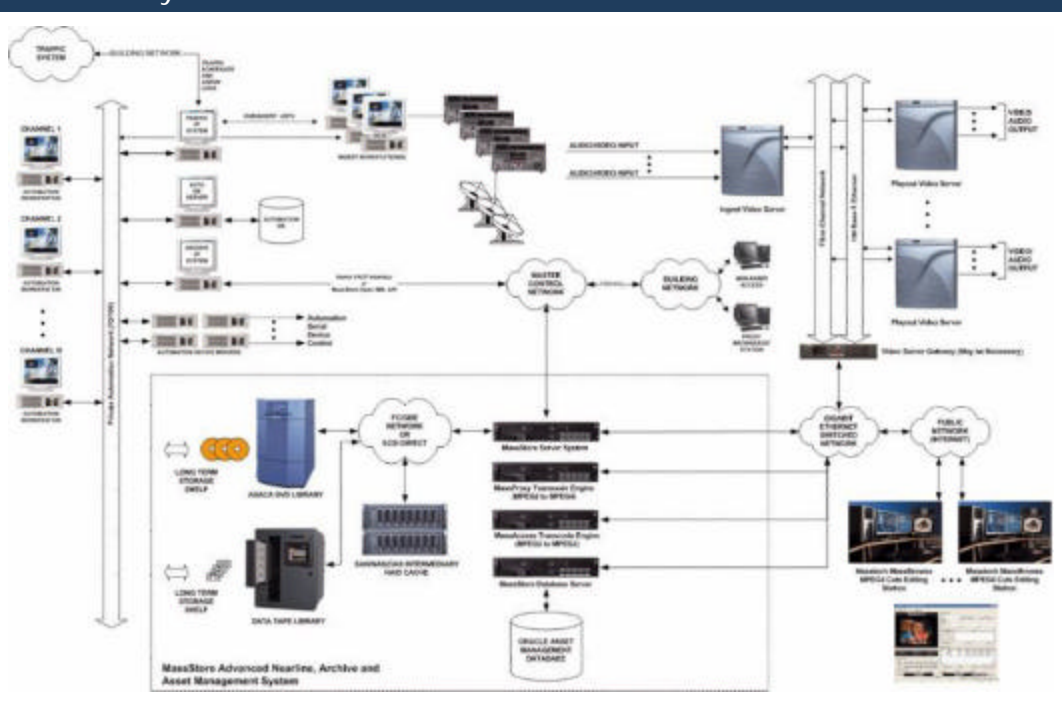
- Harris Video Archive Control Protocol (VACP)
- Harris Video Disk Control Protocol (VDCP)
- MassStore Open XML API

Product Specifications

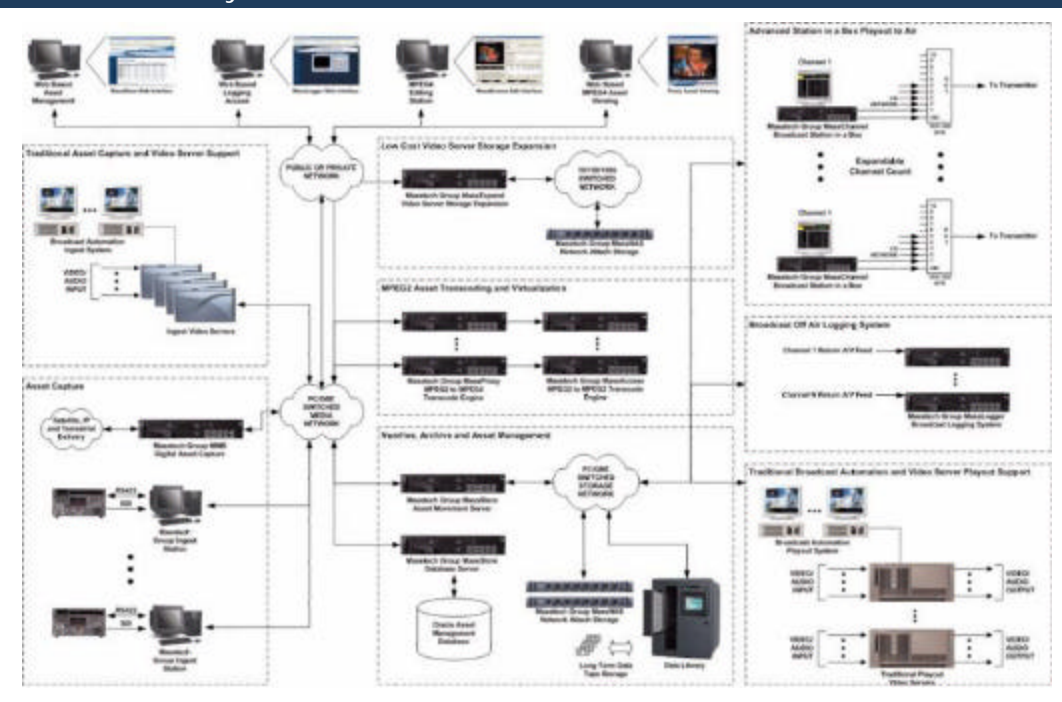
MassStore Data Mover and MassStore Database Server

- 2 RU rackmount chassis
- Redundant, hot-swappable power supplies
- Redundant system fans
- Rack mount rails
- Slim line CD/floppy
- Dual Intel high performance processors
- 2 GB RAM
- Monitor and keyboard
- Tools free serviceability
- RAID protected, hot-swappable system drives
- Multi international regulatory approvals
- Oracle 9i database
- Flexible GUI metadata application
- Web-based user interface
- Full asset tracking and management system
- Flexible metadata core

MassStore System Overview



Masstech Family Overview



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