



SeaChange®
≡ **MediaLibrary™ 6000ex**



**Low Cost, Fault-Resilient Digital Media Library
HD Ready with MediaClient Codecs**

The SeaChange® MediaLibrary™ 6000ex is a low cost, fault-resilient digital media library that can scale from a single, 730GB node up to a 8-node cluster providing over 10.5TB of capacity. Nodes are equipped with one GigE IP accelerator card.

The MediaLibrary 6000ex is a small, reliable disk-based shared storage system. The combination of the MediaLibrary 6000ex with SeaChange MediaClients provides cost-effective ingest and playout of broadcast-quality channels, and enables tapeless workflow with best of breed production systems.

Unlike alternate approaches to disk-based asset storage requiring mirrored storage and complicated file synchronization and sharing schemes, the MediaLibrary 6000ex utilizes the same proven MediaCluster technology as BML 24000ex with single-file efficiency, management simplicity, in-service maintenance and upgrades, and superior fault-tolerance of the clustered RAID² approach.

FEATURES

Each MediaLibrary 6000ex node includes an array of 6 SCSI disk drives, either 146GB or 300GB, and runs SeaChange Virtual Streams realtime operating system. Each node also includes one network accelerator card with Gigabit Ethernet I/O to support CIFS and FTP access to each media file stored.

The MediaLibrary 6000ex can scale from a single-node system to up to 8 nodes. At full capacity, a cluster of 8 nodes puts 48 discs on line for over 10.5TB of RAID² protected storage when 300GB disk arrays are used. When nodes are used in standalone configurations, media assets are RAID-5 protected.

MediaCluster® technology and RAID² storage protection provide the highest levels of fault resilience for the MediaLibrary 6000ex with no single point of failure. When 3 to 8 nodes are combined into a mediacenter, RAID² storage protection for stored assets permits continued operation

even when an entire node is off line. This not only protects on-going operations from system failures but also permits in-service maintenance, hot swapping of drives, system upgrades and the installation of additional base nodes.

SeaChange MediaLibrary products are network-attached digital media libraries that provide the industry's highest level of fault-tolerance and are available in combinations of storage and I/O capacity to span the needs of the broadcast and content origination segments. Media file transfer is based upon Gigabit Ethernet technology, TCP/IP and CIFS protocols for fast, interoperable asset sharing schemes.

All MediaLibrary products use RAID² technology to provide inherent protection against storage and server failures. This approach eliminates the need for costly, inefficient mirrored storage arrays, duplicate file copies, redundant servers and expensive Fibre Channel hardware and licenses.

The MediaLibrary family includes 3 models of online and nearline media storage. For on-air transmission applications, on-air grade single nodes, storing as low as 730GB, expand to multi-node clusters storing over 43TB of media assets. For nearline storage archiving, the ML X12100e scales up to 340TB of usable capacity. Each model allows in-service upgrades and maintenance and permits capacity to be expanded without interrupting operations.

MediaLibrary products provide guaranteed I/O bandwidth via TCP/IP-compliant Gigabit Ethernet ports. It supports a variety of standard file transfer protocols such as CIFS and FTP. This capability enables these products to satisfy real-time broadcast I/O requirements and to seamlessly connect to SeaChange MediaClient codecs and best of breed content preparation and asset browsing tools.

MediaLibrary products are designed for broadcasters and content providers who want to replace discrete islands of disk- or tape-based storage with a central media library that offers the performance of disk at a price approaching that of near-line storage.

CLUSTERED CONFIGURATION

- From 3 to 8 nodes
- RAID² fault resilience
- 3.2 GHz CPU with 2 onboard GigE NICs per node
- Single network accelerator card per node, new FSI-2000 GigE Copper interface port
- Redundant switched InfiniBand interconnect per cluster

SINGLE NODE CONFIGURATION

- 1 node
- RAID-5 fault resilience
- 3.2 GHz CPU with 2 onboard GigE NICs
- Single network accelerator card per node, new FSI-2000 GigE Copper interface port

CHASSIS SPECIFICATIONS

- 2RU chassis with CPU and 6-drive disk array
- SCSI drives, either 146GB or 300GB, hot swappable
- Network Connections: RJ-45 @ 10/100/1000 Ethernet (autosensing)
- 2 redundant 700W hot swappable power supplies, 100-240 VAC 50/60Hz
- 3.45"H x 17"W x 26.5"D (87.5mm x 450mm x 672mm)
- Weight: 60 lbs (27.3kg) with 6 disk drives
- Certification: UL 60950 - CSA 60950, FCC Class A, CE
- Environmental conditions
 - Operating temperature : +10 C to +35 C (50 to 95 F)
 - Relative humidity : 20 to 80%, non condensing
 - 2000meters (6500 ft) maximum

CAPABILITIES

- Jumbo frame support for optimal bandwidth
- SeaChange® MediaClient™ channel capacity:
 - The MediaLibrary 6000ex supports SD and HD MediaClient channels.
Please consult a SeaChange representative for supported channel bitrates and density.
 - FSI cards shall be dedicated for MediaClient realtime I/O while other applications such as NLE or Archive Managers connect to other FSI cards.

Please consult a SeaChange representative for ordering information.