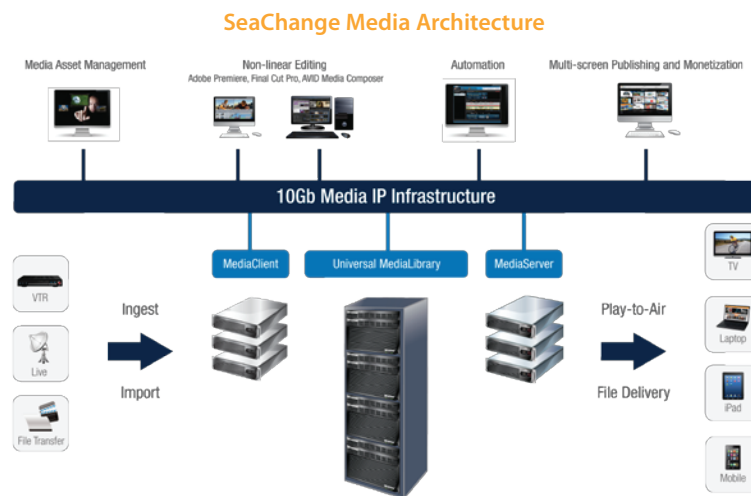


## SeaChange® Broadcast Solutions

For over 10 years now, SeaChange has proven to be an agent of transformation for broadcast television. It started when broadcasters replaced their tape-based playout with a revolutionary multiple-channel MediaCluster system with high reliability and MPEG2 compression. Then SeaChange launched its Broadcast MediaLibrary and MediaClient systems to drive the evolution of video-based broadcasting towards tapeless workflows.

Today, SeaChange Broadcast institutes its next-generation storage system called the Universal MediaLibrary that encompasses the new challenges of reliability in linear channels playout and in content streaming to consumers anywhere.



TV viewers around the world crave for television anytime, anywhere - on mobile, the internet, and television sets. Receiving high demands for premium services, broadcasting companies are often forced to migrate from their existing infrastructure to the latest and most sought-after technology. The top of the list are gearing towards more simplified and efficient workflows and manageable media streaming.

Following the market trends, transition to high definition and 3D broadcasting are the most active developments believed to continue in the next ten years. Other pressing requirements are support for H.264 and other formats, content protection, as well as the demand for larger content library and smart content delivery network.

With the involvement of broadcasters and content providers into streaming media, it is evident that everyone wants to distribute HD content to mobile devices and the internet. Thus, despite the challenge of the transition to higher-end IP infrastructure, media companies must comply with the rapidly changing trends of the industry.

SeaChange does not cease to revolutionize the industry by delivering innovative solutions for broadcasting and media. Having achieved several industry awards and served thousands of customers worldwide, its dedication to innovate and develop exceptional technology continues as SeaChange introduces its next-generation of products for broadcasters around the globe.

### ***Universal MediaLibrary (UML)***

The Universal MediaLibrary is central to the entire SeaChange Media Architecture. It accommodates a massive per-brick capacity of up to 216TB in a 5RU storage matrix. The UML is an open storage and server infrastructure that is simple to manage and cost-effective, allowing direct ingest, edit-in-place, archive, and play-to-air functionalities. It effectively supports studio and post-production workflows as it integrates with non-linear editing systems such as Final Cut Pro or Avid Media Composer. It features a fully redundant, highly available architecture implemented with multiple levels of fault tolerance through component redundancy, RAID 6, and HA clustering, ensuring continuous operations, even at the event of multiple component failures.

As the latest update to the all-in-one, enterprise-class storage, the Universal MediaLibrary (UML) is now configured to scale to a grid storage system. A UML brick connects with other bricks geographically dispersed in various locations, the entire network acting as single, virtualized file storage. It is especially designed for media companies who are planning to expand their storage capability as they grow.

### ***MediaClient (MCL)***

Fully integrated with the UML, the latest MediaClient 8200 transmission system provides open media format support for MOV and MXF files for SD, HD, and even 3D.

It also provides software codec configuration for open-standard MXF interoperability — making it extremely flexible and future-proof. With the MCL 8200, broadcasters can choose both their preferred automation system and media asset manager, including the SeaChange MediaController application. The MCL 8200 is uniquely scalable starting with 2 inputs and 4 outputs, and can expand easily to 4 inputs and 8 outputs, facilitating higher channel density and lower cost.

The MCL 8200 supports standard definition as well as 1080i and 720p high definition. It can easily be configured as SD only or HD/SD switchable supporting all the standard broadcast formats. Input/output signals are SMPTE-259M or SMPTE-292M-compliant and support up to eight embedded AES pairs and various modes for VBI and ANC. Both linear and vertical interval time codes are supported.

### **MediaServer (MSV)**

The SeaChange MediaServer 1200 is a standalone, broadcast-quality video server that offers multi-resolution and multi-format operations, making it ideal for channel expansion, TV broadcast, content production, and even live entertainment and sports applications.

The MSV 1200 is provisioned with high-performance of up to 16TB SATA HDD or up to 4.8TB SSD storage. It has a flexible and cost-effective software codec configuration for SD and HD, MXF interoperability, and generous media storage capacity. With the MSV 1200, broadcasters can choose both their preferred broadcast automation system and their edit controller, including the new MediaController software from SeaChange. The MSV 1200 is scalable from 2 inputs and 4 outputs to 4 inputs and 8 outputs.

All these are on top of the RAID 6 dual parity data protection to ensure uninterrupted operations even in the unlikely event of a two-drive failure. All drives are field-replaceable and hot-swappable, taking this machine's reliability up another notch.

### **The future of Broadcasting with SeaChange**

SeaChange proves to be a key player in getting your business ready for the future. Stay connected with your viewers through our next-generation of solutions that support IP-centric workflows, play-to-air in SD, HD, or 3D, and seamless content distribution.

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SeaChange International, Inc.  
50 Nagog Park, Acton, MA 01720 USA  
T 1.978.897.0100 F 1.978.897.0132  
www.schange.com

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