

Omneon MediaStore

The Omneon MediaStore component of the Omneon Spectrum™ media server system provides scalable and reliable high performance disk-based shared storage for all content, accessible by any user.

RELIABLE

Omneon MediaStores are storage arrays containing up to 16 high-performance fibre channel disk drives. Since all of the disk subsystem management is provided in software by Omneon MediaDirectors, including all filesystem and RAID information, there is no hardware controller required, allowing the disk drives to be arranged in a BOD (Bunch Of Disks) configuration. Software based storage control and management enhances the system's reliability by eliminating potential points of failure and enabling a higher degree of resiliency.

In addition, independent and redundant hot-swappable power supplies with automatic failover, hot-swappable disk drives, hot spares and integrated fans all combine to offer the highest level of failure protection. Speed and reliability are ensured by connecting MediaStore components to the overall server system (via the Omneon MediaDirector) with multiple high-performance Fibre Channel arbitrated loops. Support for multiple RAID sets and hot spares allow broadcasters to be confident that their assets are protected.

FLEXIBLE

MediaStores feature Smart Scalability™ allowing broadcasters to configure storage capacity that matches their current requirements with the ability to expand storage incrementally to accommodate growth. Multiple MediaStores may be linked in a single system to scale capacity and bandwidth. Storage can be added at any time without disrupting on-air operations. The Omneon Spectrum system supports advanced prefailure storage diagnostics allowing the system to proactively replace drives before critical errors might occur. User configurable alarming and notification features further enable broadcasters to maintain and manage MediaStore storage systems to the highest level of performance.

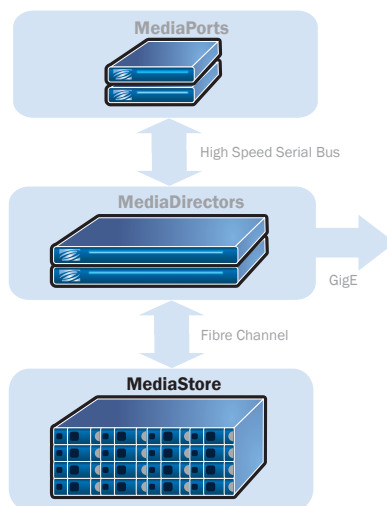
POWERFUL

The Omneon MediaStore supports up to 4 terabytes in a single array when equipped with 300 GB drives. Configurations with 73 GB and 146 GB drives are also fully supported. A total of nine arrays may be linked in a single system, creating a shared pool of storage as large as 36TB. Deterministic Fibre Channel connectivity between MediaStores and the rest of the system ensures guaranteed bandwidth required for real-time media operations.



› BENEFITS

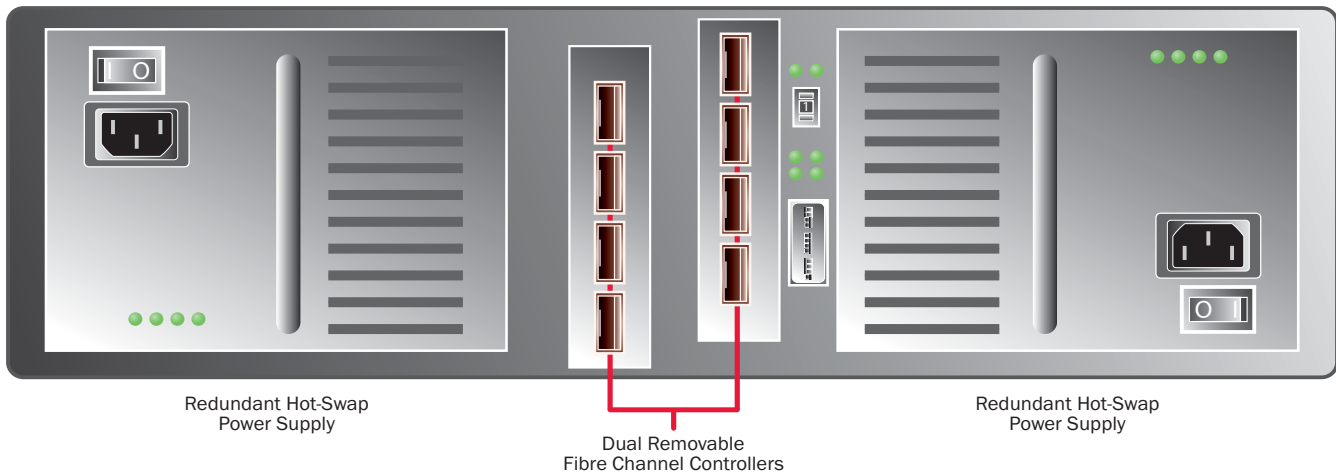
- Reliable high-performance storage capacity
- Media-optimized storage handles multiple video formats in a single file system
- Shared storage solution makes media files accessible to external applications
- Real-time video I/O guaranteed with high-bandwidth deterministic connectivity
- Reliable operation and continuous uptime with redundant, hot-swappable storage and power systems



› Find More Online

<http://www.omneon.com/products>

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Part #	# Drives	Usable Storage
Series a: 73 GB Drives		
MS 4140a	4	184 GB
MS 4171a	8	427 GB
MS 4272a	16	854 GB
Series b: 146 GB Drives		
MS 4140b	4	368 GB
MS 4171b	8	854 GB
MS 4272b	16	1708 GB
Series c: 300 GB Drives		
MS 4140c	4	756 GB
MS 4171c	8	1746 GB
MS 4272c	16	3508 GB

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<http://www.omneon.com/Demos-On-Demand>



www.omneon.com

US Headquarters:

965 Stewart Drive
Sunnyvale, CA 94085
ph +1 866.861.5690
ph +1 408.585.5000
fx +1 408.585.5099

Europe:

5 Lindenwood
Chineham, Basingstoke
RG24 8QY United Kingdom
ph +44 1256.347.400
fx +44 1256.347.410

Omneon Video Networks, K.K.:

Ginza San-Chome Bldg. 8F
3-14-1 Ginza, Chuo-ku
Tokyo 104-0061 Japan
ph +81 03.5565.6735
fx +81 03.5565.6736

Asia/Pacific:

20 Loyang Crescent
Singapore 508984
ph +65 6548.0500
fx +65 6548.0504