



BENEFITS

- *Broadcast-class reliability*
- *100% Spectrum compatibility*
- *Robust, well-proven architecture*
- *Compact physical size*

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Omneon MediaDeck™ 7000 Integrated Media Server

The Spectrum MediaDeck 7000 integrated media server delivers the broadcast quality and mission-critical reliability of the world's leading transmission server in a convenient and cost-effective package. MediaDeck 7000 packs up to four video channels, Gigabit Ethernet connectivity, and 3+1 RAID storage into a compact 1-RU chassis. With MediaDeck, even the smallest broadcast and programming operations can implement server-based ingest and playout operations or sophisticated file-based workflows in a broad range of video formats. By leveraging the Omneon Spectrum architecture, MediaDeck is immediately deployable with Omneon Media Applications for ingest, playout, and delay serving, and with over a hundred third-party automation and production applications.

Built for Broadcast

A part of the Spectrum line of media servers, MediaDeck 7000 is optimized to satisfy the demanding reliability and performance requirements of broadcast operations. Unlike media servers that rely on PC computing platforms and operating systems such as Windows, the MediaDeck 7000 system leverages IT technologies, but is purpose built for the broadcast industry. For example, the operating system resides in flash memory ensuring rapid boot up and eliminating the risks associated with system drive failures. As a result, broadcasters using MediaDeck benefit from the price/performance gains driven by general IT technology enhancements without compromising mission-critical 24/7 broadcast operations.

MediaDeck 7000 includes four hot-swappable enterprise-class SATA disk drives for content storage. The use of 3+1 RAID ensures that the system continues to operate even in the event of a disk drive failure. Video I/O modules and redundant power supplies can be hot-swapped for uninterrupted operation.

Cost-effective

MediaDeck 7000 supports up to four bidirectional channels of video I/O at up to 100 Mbps, while at the same time handling IP-based file transfer traffic in and out of the system. By delivering this high level of performance in a fully integrated system, MediaDeck 7000 establishes a new price-per-channel benchmark for professional grade multi-channel media servers.

Drop-in Compatibility

Full compatibility with Spectrum software allows MediaDeck 7000 to work out of the box with all applications supported by Spectrum systems, including automation, editors, archiving systems, Omneon Media Applications and others.

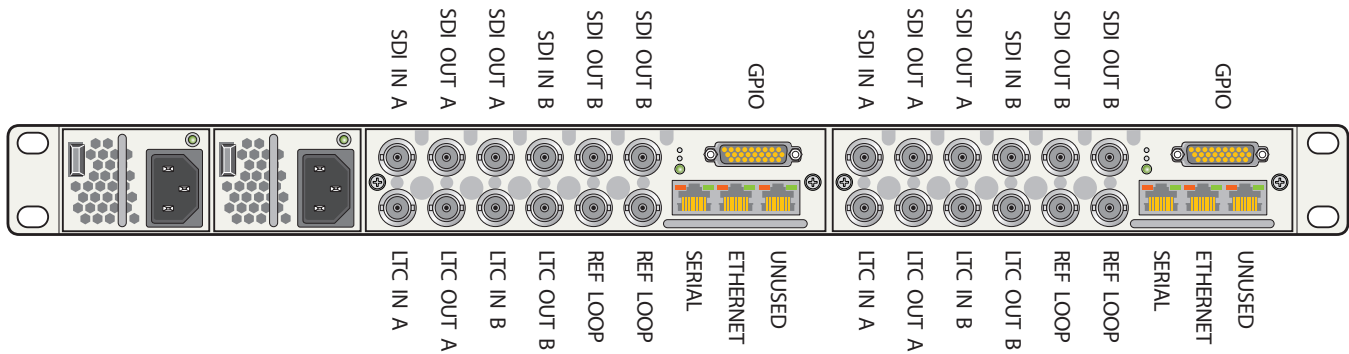
MediaDeck 7000 Gigabit Ethernet connectivity is a standard implementation of high-speed Ethernet for asynchronous file transfer and support of FTP, SMB and the Apple® Filing Protocol, providing simple, standardized file movement techniques.

Video Format Flexibility

MediaDeck 7000 provides mounting space and power for up to two independent MediaPort 7000 I/O modules, which provide ingest and playout of HD and SD video and digital audio. A module can be added to an empty slot at any time, and different MediaPort modules can be mixed in a single MediaDeck. MediaPort 7000 modules are the newest and most advanced video I/O modules in the Spectrum family of products, and they are also used in larger Spectrum configurations that include MediaCenter and MediaDirector servers.

■ PRODUCT OVERVIEW

MediaDeck 7000 Rear View, Configured With Dual I/O Modules



MediaDeck 7000 Specifications

Model	Features
MediaDeck 7000 Core System	<p>Network: Clients access the system via up to 2 gigabit Ethernet (GbE) connections, and have access to FTP, CIFS, and AFP services. Network failover is supported on systems with dual I/O modules.</p> <p>Power: Dual, redundant hot-swappable power supplies: Maximum 266 Watts total with two MediaDeck 7000 video I/O modules, 100-240 V, 50-60 Hz.</p> <p>Processing: Quad-core processor to handle IP and real-time video loads simultaneously.</p> <p>Front Panel Display: Informative readout shows channel identification, current status and alarms for the system.</p>
Storage	<ul style="list-style-type: none"> Using four 2 TB SATA disk drives, MediaDeck 7000 provides 225 hours of storage for 50 Mbps content. 3+1 RAID guarantees continued operation even if a disk drive fails. Disks can be hot-swapped, allowing continued operation while being repaired.
MediaPort 7000 I/O Modules	<ul style="list-style-type: none"> The MediaDeck 7000 chassis holds up to two MediaPort 7000 modules. Each module provides two individually-configurable bidirectional channels. Different MediaPort module types can be mixed in a single MediaDeck 7000. See below for supported module types. Modules are independent and can be replaced without disrupting operations on the other module. A module can be added to an empty slot at any time. Up, down and cross-conversion are standard with every HD-capable module. There are no channel-count or performance penalties. Cross-conversion allows payout of 720p material on a 1080i channel, and vice-versa. Simulcast is available on every channel, where SD-only channels include 2 identical outputs and HD-capable channels include 2 independently-configurable outputs. An HD video channel can be presented in both 720p and 1080i. MediaPort modules offer an H.264 proxy option that enables simultaneous generation of both low- and high-resolution clips during recording. Up to 16 embedded audio channels per video channel. Uncompressed 16-, 24- and 32-bit PCM at 48 kHz. Compressed audio pass-through. Supported media wrappers are QuickTime reference and self-contained, MXF OP-1a, and MXF OP-1b.
MIP-7100 MediaPort Module	<p>The following codec options can be licensed on the MIP-7100 module:</p> <ul style="list-style-type: none"> – SD or SD/HD – DV/DVCPRO play or play/record – MPEG-2 play – no license required <ul style="list-style-type: none"> • H.264 proxy – not field upgradable <p>See the MediaPort 7000 datasheet for a full list of MIP-7100 options</p>
MIP-7300 MediaPort Module	<p>The following codec options can be licensed on the MIP-7300 module:</p> <ul style="list-style-type: none"> – SD or SD/HD – DV/DVCPRO play or play/record – MPEG-2 play or play/record – no license required for MPEG-2 play-only <ul style="list-style-type: none"> • H.264 proxy – not field upgradable <p>See the MediaPort 7000 datasheet for a full list of MIP-7300 options</p>
MIP-7600 MediaPort Module	<p>The following codec options can be licensed on the MIP-7600 module:</p> <ul style="list-style-type: none"> – AVC-Intra play or play/record – DV/DVCPRO play or play/record – MPEG-2 play – no license required <ul style="list-style-type: none"> • H.264 proxy – not field upgradable <p>See the MediaPort 7000 datasheet for a full list of MIP-7600 options</p>



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