



Omneon MediaDeck™ GX Complete Channel Playout Solution

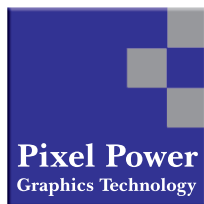
Omneon MediaDeck GX is a complete channel playout solution that combines proven video server playout, world-class graphics and advanced audio processing, all under control of the user's preferred automation system. With rich branding and master control features, MediaDeck GX makes it faster, easier and more affordable for broadcasters and video professionals to launch new services, make incremental additions to their channel lineup, or implement disaster recovery.

BENEFITS

- Combines world-class graphics, proven playout and advanced audio processing in a single system while preserving automation choice
- Allows incremental channels to be added without having to implement and learn a new automation system
- Enables faster, more affordable launching of additional broadcast channels
- Simplifies channel chains and reduces support points of contact

Find More Online

www.omneon.com/products/MediaDeck-GX



Outside the Box

Unlike other single-box playout systems that tie users to an embedded automation system, MediaDeck GX delivers best-of-breed performance across playout, graphics and audio processing while giving users the flexibility to choose the automation system that best meets their business and operational requirements. MediaDeck GX is perfect for small facilities looking for a cost-effective playout solution and equally beneficial to larger facilities needing to quickly deploy incremental channels.

Proven Performance

MediaDeck GX combines Pixel Power branding and master control technology with the proven Omneon MediaDeck transmission server, giving customers a tightly integrated solution from two industry leaders. This powerful platform offers full-featured record and play capabilities in an easy to deploy, compact form factor – and with built-in compatibility with all content from other Omneon systems that may already be installed in the facility.

Flexible Playout

Compatible with all MediaDeck I/O modules, MediaDeck GX supports multiple SD and HD formats, including MPEG-2, IMX, XDCAM-HD/EX, DVCPro 25/50/HD and AVC-Intra. Multiformat playout is also offered including the ability to mix SD and HD MPEG-2 and DV content in any combination on a single timeline, with fully integrated up- or down-conversion as required to deliver a branded SD or HD output channel from a mix of existing material.

World-Class Graphics

Integrating branding and master control with template-based graphics software, MediaDeck GX provides high-quality graphics features without the need for separate systems or complicated production workflows. The system plays stored stills and animation; generates data driven graphics; combines multichannel playout, live input and key/fill input; and applies compositing and transition effects.

The graphics module, developed exclusively for Omneon MediaDeck GX by industry leader Pixel Power, accepts feeds from XML, LTC and serial sources to create data-driven graphics including tickers, ratings slides, clocks and EAS notices. MediaDeck GX can also read and update VBI/VANC metadata, such as AFD, according to the applied template. Software for creating templates, previewing and management makes it easy to use and introduces a greater degree of accuracy and sophistication.

Master Control Functionality

Among the system's branding and graphics capabilities are wipes, fades, pushes and other transitions typical of presentation mixers, as well as dual DVEs for squeezeback and other DVE effects. Support for live and recorded key/fill enables use of full HD overlay elements and live inputs.

PRODUCT OVERVIEW

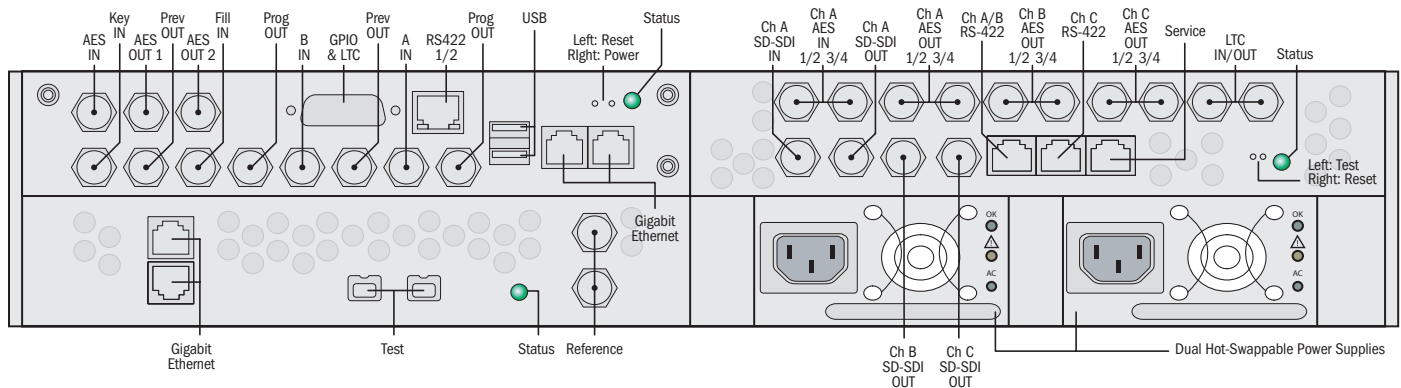
Advanced Audio Processing

MediaDeck GX handles mixing and playout of voiceovers, promos and stingers, with optional decoding and/or encoding of AC-3 and Dolby® E audio. This gives users a choice to further simplify the signal path by accepting (decoding), mixing and delivering (encoding) popular multichannel audio formats.

Automation Choice

The open Omneon platform allows MediaDeck GX to integrate easily into an existing operation. The system is controlled by automation software purchased directly from the broadcaster's vendor of choice. Automation systems control MediaDeck GX using any combination of traditional VDCP over RS-422, ILL serial protocol, Omneon API, Ethernet control of the graphics subsystem and GPI/O.

Omneon MediaDeck GX Configured With Dual I/O Modules



Omneon MediaDeck GX Specifications

Model	Features					
Omneon MediaDeck GX Core System	<p>Network: 2 1-Gb Ethernet ports supporting FTP, SAMBA and AFP protocols, Omneon SystemManager application and Player API.</p> <p>Power: Dual, redundant hot-swappable power supplies: Under 400 watts total with two Omneon MediaDeck I/O modules, 100-240 V, 50-60 Hz. Automatic bypass of graphics module.</p> <p>Omneon MediaDeck Modules are hot-swappable and can be replaced without disrupting other operations on the server.</p>					
Storage	<ul style="list-style-type: none"> Using 1-TB disk drives, 6 TB of content storage is available Dual parity RAID guarantees continued operation even if two disks fail simultaneously Disks can be hot-swapped, allowing continued operation while being repaired 					
Branding I/O Module	<ul style="list-style-type: none"> 2 SDI video input, with additional key and fill SDI input. Dual program and dual preview video output. All video I/O support HD/SD SDI I/O according to SMPTE 292M/259M Dual DVEs for scaling and transition effects 16 channels of embedded audio 2 input/4 output channels of discrete (AES/EBU) audio Optional Dolby E/AC3 decode and encode (pass through standard) GPI/O RS-422 for EAS and legacy interfaces 2x 1-Gb Ethernet for control and FTP/Samba file system access Graphics storage 32-GB solid state disk 					
Graphics file and format compatibility	<table border="0"> <tr> <td> <ul style="list-style-type: none"> Quantel VPB Bitmap formats BMP, XBM and DIB Kodak Cineon CIN Kodak PhotoCD PCD and FlashPix FPX </td> <td> <ul style="list-style-type: none"> Graphics interchange format GIF Interchange format IFF and LMB ZSoft PCX Greymap PGM </td> <td> <ul style="list-style-type: none"> Network graphics PNG Photoshop 3.0 PSD SUN RAS Silicon Graphics SGI TrueVision Targa TGA </td> <td> <ul style="list-style-type: none"> Tagged image TIF, TIFF and TIFX (including LZW compression) Scitex SCT JPEG JPG (excluding JPEG2000) </td> </tr> </table>	<ul style="list-style-type: none"> Quantel VPB Bitmap formats BMP, XBM and DIB Kodak Cineon CIN Kodak PhotoCD PCD and FlashPix FPX 	<ul style="list-style-type: none"> Graphics interchange format GIF Interchange format IFF and LMB ZSoft PCX Greymap PGM 	<ul style="list-style-type: none"> Network graphics PNG Photoshop 3.0 PSD SUN RAS Silicon Graphics SGI TrueVision Targa TGA 	<ul style="list-style-type: none"> Tagged image TIF, TIFF and TIFX (including LZW compression) Scitex SCT JPEG JPG (excluding JPEG2000) 	
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Animations can be imported from:	(Sequences of the above image formats) Quicktime, AVI, Sequences of RPF files					
I/O Modules	<table border="0"> <tr> <td>• MDM 5001 – SD DV/MPEG-2</td> <td>• MDM 5221 – SD (upgradable to HD) MPEG-2</td> <td>• MDM 5321 – SD/HD MPEG-2</td> <td>• MDM 5501 – SD/HD DV/MPEG-2</td> <td>• MDM 5601 – HD AVC-Intra</td> </tr> </table>	• MDM 5001 – SD DV/MPEG-2	• MDM 5221 – SD (upgradable to HD) MPEG-2	• MDM 5321 – SD/HD MPEG-2	• MDM 5501 – SD/HD DV/MPEG-2	• MDM 5601 – HD AVC-Intra
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