

Matrox Mura™ MPX Series



Next Generation Mura Technology Delivers Unparalleled Performance, Image Quality, and Scalability

The Matrox Mura MPX Series makes no compromises as it redefines the future of collaborative video walls and wall matrix management. Engineered to deliver unparalleled performance, image quality, and scalability, Mura MPX Series output/input boards feature highly flexible, universal input channel support for both digital and analog (SL-DVI, RGB/VGA, Component, S-Video & Composite) video signals. Setting the bar for collaborative video wall applications, the Mura MPX PCIe16 Gen2 board design supports unrivalled bandwidth for peer-to-peer data transfer, while the board's architecture permits load balancing and bandwidth preservation important for large-scale, multi-channel projects. HD image capture and display of uncompressed data ensures impeccable quality of text, video, and graphics. Mura MPX high-density analog video capture cards provide additional NTSC/PAL/SECAM input channel support, while the Mura MPX-SDI board includes support for two 3G SDI video inputs and two DVI outputs.

Control Rooms / Operation Centers

Mura MPX Series boards are the ultimate building blocks for display wall controllers for process control, surveillance, network operation centers, and other control room environments. The boards' robust API software is backwards compatible with previous generation Matrox PPX/VPX Display Wall Series boards.

Presentation / Digital Signage

Mura MPX Series offers the competitive edge and scalability required for presentation systems in corporate boardrooms and conference rooms and digital signage installations in small and large venues. Combined with an off-the-shelf application or integration of the remote control interface using the network API, Mura MPX Series helps get your message out more effectively.

Matrix Switcher / Video Scaler / Video Converter

Mura MPX Series' unique multi-functional board design facilitates matrix switching, signal conversion, video scaling and de-interlacing in a single board, eliminating the need to purchase separate solutions.



Matrox Mura MPX Series – Essential Building Blocks for your Control Room. Or Boardroom.

Mix and match Matrox Mura MPX Series universal output/input boards and dedicated analog video capture cards.

	Universal Output/Input Boards			SDI Input/DVI Output Board	Video Input Boards	
	Mura MPX-4/4	Mura MPX-4/2	Mura MPX-4/0	Mura MPX-SDI	Mura MPX-V8	Mura MPX-V16
Part Number	MURA-MPX44F MURA-MPX44HF ¹	MURA-MPX42F MURA-MPX42HF ¹	MURA-MPX40F MURA-MPX40HF ¹	MURA-MPXSDIF	MURA-MPXV8F	MURA-MPXV16F
Board type	4 outputs, 4 inputs	4 outputs, 2 inputs	4 outputs	2x DVI outputs, 2x 3G-SDI inputs	8 inputs	16 inputs
Interface	PCI Express x16 (Gen2)			PCIe x16 (Gen1)	PCIe x4 (Gen1)	
Memory	2GB ²			1GB ²	128 MB ³	256 MB ³
Data transfer rate	64 Gbit/sec			32 Gbit/sec	8 Gbit/sec	
Output Resolutions⁴ - SL-DVI - RGB(VGA)	2048x1152 2048x1536			2048x1152 2048x1536	—	
Input Resolutions^{4, 5} - SL-DVI - RGB (VGA) - Component(YPbPr) - S-Video - Composite - SDI	1920x1200 2048x1536 ⁶ 1080i NTSC/PAL/SECAM NTSC/PAL/SECAM —	— — — — — —		— — — — — 1920x1080	— — — NTSC/PAL/SECAM NTSC/PAL/SECAM —	
Operating Systems	Microsoft® Windows® 7 (64 bit), Windows Server 2008 R2 (64 bit)			Microsoft® Windows® 7 (64 bit), Windows Server 2008 R2 (64 bit)	Microsoft® Windows® 7 (64 bit), Windows Server 2008 R2 (64 bit)	

¹ Fanless board. ² Shared memory for inputs and outputs. ³ Input memory. ⁴ Maximum resolutions listed above. Support for standard and custom resolutions available. For specific requirements contact Matrox.

⁵ RGB (VGA) adapter included with Mura MPX 4/4, Mura MPX 4/2 and Mura MPX 4/0. Matrox adapters sold separately for component, s-video, and composite. Contact Matrox for details. ⁶ Refresh rate of 47 Hz.

Matrox Mura MPX-4/4 – Power and Flexibility in a Single Board.

The Matrox Mura MPX-4/4 features breakthrough technology with 4 outputs and 4 inputs located on the same board. Need more inputs or outputs?

Build custom display wall controller and matrix switcher solutions by selecting the Mura MPX card combination that matches the channel count for your project.



Learn More

Visit our web site at www.matrox.com/mura_mpx_series to discover the latest features, compatible platforms or to learn about the many ways Matrox Mura MPX Series can work for you.

Learn More or Purchase

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