

4K 4x4 Seamless Matrix & Video Wall Processor



Route Any Source to Any Display or Build a 2x2–4x1 Video Wall — No Extra Hardware

MPN: MMX-4X4VW



The MMX-4X4VW eliminates the need for a separate video wall processor by combining true 4x4 seamless matrix switching and 10-mode video wall processing in a single compact unit under \$200. Any of four HDMI sources can be independently routed to any of four displays with no switching delay or picture loss — then instantly reconfigured into a 2x2, 4x1, 1x4, or any of seven additional video wall layouts without touching a PC.

Built for boardrooms, retail signage, classrooms, and restaurants where display flexibility matters, the MMX-4X4VW supports input resolutions up to 4K@30Hz with per-output scaling to 1080p, 720p, 1920x1200, or 4K@30Hz. Control via front panel buttons, included IR remote, or RS-232 ASCII commands for full integration with Crestron, AMX, and third-party automation systems.

 Seamless No-Delay Switching	 10 Modes Video Wall Layouts	 Per-Output Independent Scaling	 RS-232 IR & Serial Control	 All-in-One Matrix + Video Wall
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KEY FEATURES

- True 4x4 seamless matrix switching — any source to any display with no delay or picture loss
- Integrated video wall processor supporting 10 layout modes: 2x2, 2x1, 1x2, 3x1, 1x3, 4x1, 1x4, and variants
- Per-output resolution scaling — upscale or downscale each output independently to 1080p, 720p, 1920x1200, or 4K@30Hz
- Input resolutions up to 4K@30Hz (HDMI™ 1.4b) with 10.2Gbps bandwidth
- Output image mirror function available in video wall mode
- Supports LPCM 2.0/5.1, Dolby Digital/DD+, and DTS 2.0/5.1 audio via HDMI
- Control via front panel buttons, IR remote, and full RS-232 ASCII command set (115200 baud)
- HDCP 1.4 compliant — CE/FCC/UL certified 12V/1A locking power adapter included

SPECIFICATIONS

HDMI / HDCP	HDMI™ 1.4b • HDCP 1.4
Video Bandwidth	10.2Gbps
Input Resolution	Up to 4K2K@30Hz
Output Resolution	4K30 • 1080p60/50 • 720p • 1920x1200 • 1600x1200 • 1024x768 (13 presets)
Color Space	RGB 4:4:4 • YCbCr 4:4:4/4:2:2/4:2:0
Audio	LPCM 2.0/5.1 • Dolby Digital/DD+ • DTS 2.0/5.1
HDMI I/O	4x HDMI Type-A In • 4x HDMI Type-A Out
Control	Front Panel Buttons • IR Remote • RS-232 (3-pin Phoenix, 115200 baud)
Enclosure	Metal • Black • 220x105x19mm • 508g
Power	DC 12V/1A (CE/FCC/UL) • 3.6W max
Environment	32–104°F (0–40°C) • 20–80% RH

PACKAGE CONTENTS

1x 4x4 Matrix Switcher • 1x IR Remote • 1x 3-pin Phoenix Connector • 2x Mounting Ears • 4x Machine Screws • 1x 12V/1A Locking Power Adapter • 1x User Manual

