



MP-UHD44-VW

HDMI Seamless Matrix Switcher with Videowall & Multi-view

4×4 seamless HDMI matrix platform for high-resolution switching, synchronized videowall applications and flexible multi-view workflows.



Overview

The MP-UHD44-VW features 4 HDMI inputs and 4 seamless HDMI outputs with analog audio. It supports 4K@60Hz 4:4:4 and real-time seamless switching, with an FPGA-based pure hardware structure and intuitive web GUI control. The unit is intended for stage presentations, digital classrooms, video conference rooms and large-screen videowall applications.

4×4 Seamless Matrix Four HDMI inputs and four HDMI outputs with real-time seamless switching.	4K@60 4:4:4 HDMI 2.0 / HDCP 2.2 support with up to 4096 × 2160@60Hz.
Videowall & Multi-view Flexible stitching configurations with synchronized 2×2 LED/LCD large-screen support.	Advanced Processing EDID management, input image clipping, logo insertion and built-in test patterns.

Technical Specifications

Core video, control, environmental and mechanical specifications.

SPECIFICATION	DETAIL
Model	MP-UHD44-VW
Input	4 HDMI, 4 Analog Audio
Output	4 HDMI, 4 Analog Audio
Video Protocol	HDMI 2.0, HDCP 2.2
Maximum Resolution	4096 × 2160@60Hz (4:4:4)
HDMI Interface	Type A, 19-pin female connector
Serial Interface	RS-232 IN, DB9 Female; RS-232 OUT, DB9 Male
Input Cable Length	10 m
Output Cable Length	10 m
Impedance	100 ± 15 Ω
RJ45 Control Protocol	TCP/IP Protocol
Ethernet Speed	Adaptive 10M/100M
Operating Environment	Temperature: 0°C ~ +50°C; Humidity: 10%~90%
Storage Environment	Temperature: -20°C ~ +70°C; Humidity: 10%~90%
Power Supply	AC100~240V 50/60Hz
Maximum Power Consumption	100W
Chassis Type	1U
Dimensions (W × D × H)	482 × 350 × 46.3 mm
Weight	3.5 kg
MTBF	30,000 hours
Warranty	1 year warranty with lifetime maintenance

Note: Specifications above are reproduced from the supplied product datasheet.

Features & Application

Designed for seamless switching, videowall stitching and centralized control.

- 4 HDMI inputs and 4 HDMI outputs with real-time seamless switching.
- Input and output support up to 4K@60, 4:4:4; compatible with HDMI 2.0 and HDCP 2.2.
- Intelligent EDID analysis and management with built-in EDID files, output EDID reading and update capability.
- Input image clipping and logo insertion.
- Built-in signal generator with 11 professional test images on input and output channels.
- Outputs configurable for seamless matrix output or single-layer stitching output.
- Synchronized stitching for LED/LCD large screens, maximum 2x2 configurations.
- Scrolling subtitles on stitched large screens.
- Independent audio switching; input volume control and one-button mute.
- Control via front panel/LCD, RS232, TCP/IP software and web control.
- Multiple flexible stitching configurations; DHCP support and selectable output modes.
- One-button freeze/unfreeze, output screen on/off, adjustable HDCP version and real-time signal status.
- Multiple user connections with management permissions and port management.
- Preset save/recall and seam settings to compensate for gaps during screen stitching.

Application Diagram

Application diagram

