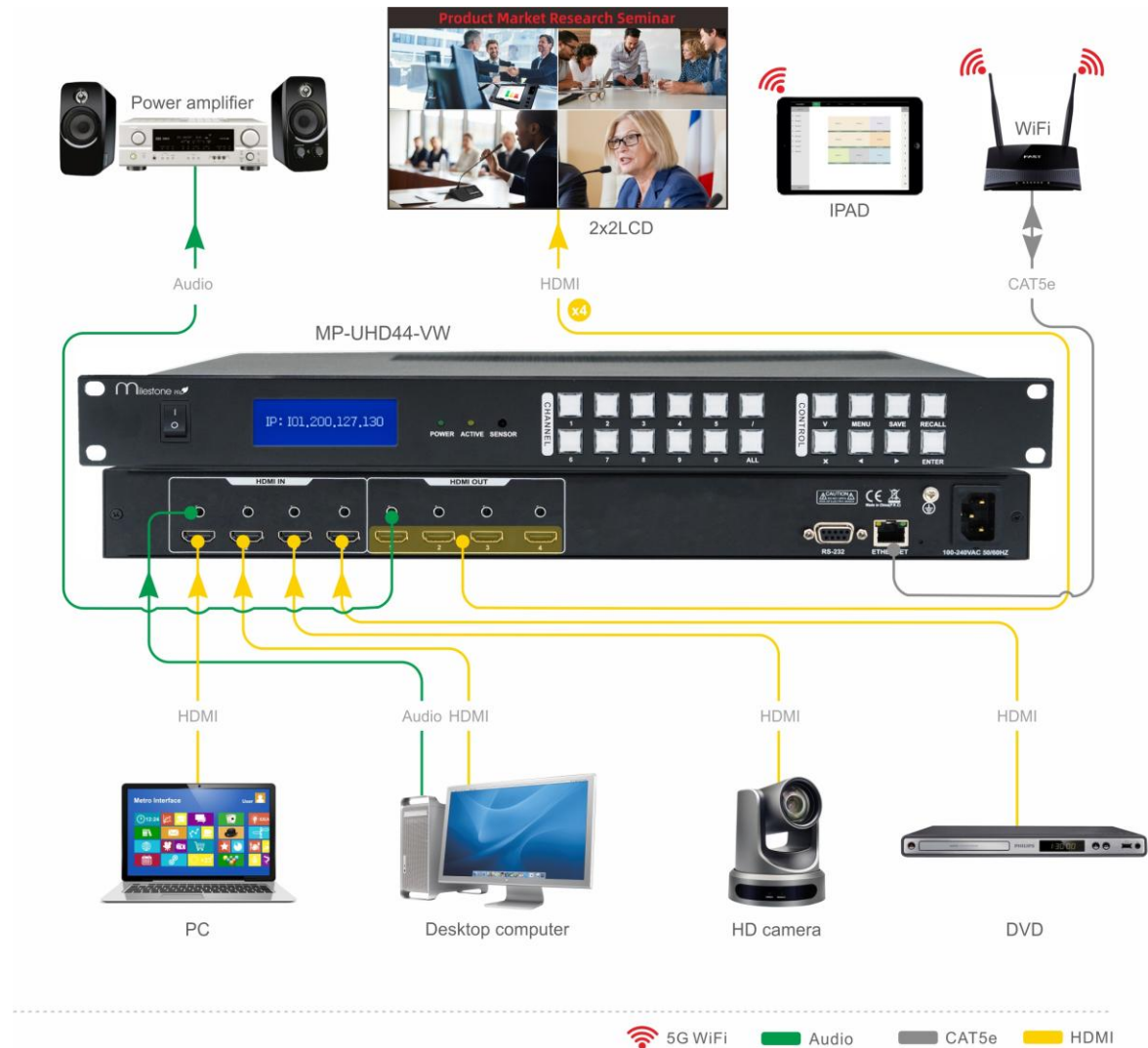


MP-UHD44-VW HDMI Seamless Matrix Switcher with Videowall & Multi-view

Product Datasheet



Application diagram



Overview

The MP-UHD44-VW HDMI Seamless Matrix Switcher features 4 HDMI inputs, 4 seamless HDMI outputs, along with analog audio output. It supports 4K@60Hz

4:4:4 and enables real-time seamless switching. It provides high peak data transfer rate and perfectly supports synchronous switching of HDMI signals, resolution up to 4K@60,4:4:4 , create creative video wall layouts through an intuitive web GUI, FPGA-based pure hardware structure, can be widely used in stage presentations, digital classroom, video conference rooms etc.

Features

- 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 analysis that automatically analyzes the EDID of display devices to output the best resolution;
- EDID management that supports selecting from multiple built-in EDID files, reading the EDID of output display devices to the input, and updating EDID files;
- Supports input image clipping, allowing part of the input image to be displayed as a signal;
- Supports adding logos to input images;
- Built-in signal generator with 11 professional test images on input and output channels;
- Outputs can be configured for seamless matrix output or single-layer stitching output;
- Supports synchronized stitching for LED or LCD large screens, with a maximum of 2x2 configurations;
- Supports scrolling subtitles on stitched large screens;
- Independent switching for audio;
- Supports graphical software control; Input volume control with adjustable channels and one button mute; Multiple control methods including front panel buttons with LCD screen, RS232 control, TCP/IP control software, and web control for flexibility;
- Supports multiple flexible stitching configurations for any port to meet various application needs;
- Supports DHCP, with the ability to enable or disable via software or front panel; Various output modes available, including full screen and proportional scaling;
- Supports one-button freeze/unfreeze for output images;
- Intelligent management that shows real-time input signal status and output connection status on

software;

- Adjustable HDCP version for inputs; One-button output screen on/off;
- Supports multiple connections and user management, with different management permissions and port management for different users;
- Supports preset management, with one-button save and recall of presets;
- Supports seam settings to compensate for gaps during screen stitching.

Specifications

Model	MP-UHD44-VW
Input	4 HDMI, 4 Analog Audio
Output	4 HDMI, 4 Analog Audio
Video Protocol	HDMI 2.0, HDCP 2.2
Max Resolution	4096 x 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	10m
Output Cable Length	10m
Impedance	100±15 Ω
RJ45 Control Protocol	TCP/IP Protocol
Ethernet Speed	Adaptive 10M/100M
Storage Environment	Temperature: -20°C ~ +70°C, Humidity: 10%~90%
Operating Environment	Temperature: 0°C ~ +50°C, Humidity: 10%~90%
Power Supply	AC100~240V 50/60Hz
Maximum Power Consumption	100W
Chassis Type	1U
Dimensions (W × D × H)	482x350x46.3mm
Weight	3.5 kg
MTBF	30,000 hours
Warranty	1 year warranty with lifetime maintenance