

PS-HD44MVA

4K60 18Gbps 4x4 Seamless HDMI Matrix Switcher

Video Wall | Multiviewer | Scaling | Audio De-Embedding

PRODUCT OVERVIEW

The PEAPSONIC PS-HD44MVA is a professional-grade 4x4 HDMI 2.0 Seamless Matrix Switcher designed for advanced AV distribution and display applications. Supporting resolutions up to 4K@60Hz 4:4:4 with 18Gbps bandwidth, the unit combines matrix switching, video wall processing, multiview display, output scaling, and audio embedding/de-embedding in a compact 1U rack-mount chassis.

The PS-HD44MVA enables any of the four HDMI sources to be routed independently to any of the four displays. Advanced processing capabilities allow the outputs to operate in Matrix Mode, Video Wall Mode, or Multiview Mode, providing maximum flexibility for professional AV installations.

A built-in TFT display provides real-time system monitoring and status indication, while multiple control options including Front Panel, IR Remote, RS-232, TCP/IP, and Mobile APP ensure seamless system integration.



 4K@60Hz 4:4:4	 18Gbps Bandwidth	 4x4 Matrix	 Multiviewer Display	 Video Wall
 Scaling Function	 Audio Embed / De-Embed	 APP Control	 HDCP 2.2	 Seamless Switching

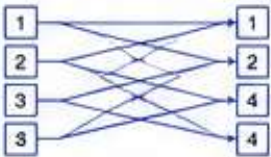

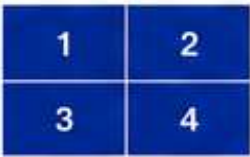

KEY FEATURES

- 4 x HDMI 2.0 Inputs
- 4 x HDMI 2.0 Outputs
- HDMI 2.0 / HDCP 2.2 Compliant
- Supports up to 4K@60Hz 4:4:4
- 18Gbps High Bandwidth
- Seamless Switching Technology
- Video Wall Processing
- Multiview Display Function
- Output Scaling Function
- Audio Embedding
- Audio De-Embedding
- Independent EDID Management
- Built-In TFT Status Display
- Front Panel Button Control
- IR Remote Control
- RS-232 Control
- TCP/IP Control
- Mobile APP Control
- Adaptive Output Resolution System
- 1U Rack Mount Design

APPLICATIONS

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Corporate AV | 
Control Rooms |
| <ul style="list-style-type: none"> • Boardrooms • Conference Rooms • Meeting Spaces | <ul style="list-style-type: none"> • Security Monitoring • Command Centers • Operations Centers |
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Digital Signage | 
Professional AV |
| <ul style="list-style-type: none"> • Retail Displays • Shopping Malls • Information Displays | <ul style="list-style-type: none"> • Broadcast Studios • Houses of Worship • Event Venues • Entertainment Systems |
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Education | |
| <ul style="list-style-type: none"> • Lecture Halls • Training Centers • Classrooms | |

MULTIVIEW & VIDEO WALL FUNCTIONS

<p>Matrix Mode</p>  <p>Route any HDMI source to any display independently.</p>	<p>Video Wall Mode</p>  <p>Create stunning display walls using multiple screens.</p>	<p>Multiview Mode</p>  <p>Display multiple input sources simultaneously on a single display.</p>	<p>Scaling Functions</p>  <p>Automatically adjust output resolution for optimal display compatibility.</p>
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TECHNICAL SPECIFICATIONS

Specification	Details
Model	PS-HD44MVA
Product Type	4x4 Seamless HDMI Matrix Switcher
HDMI Standard	HDMI 2.0
Bandwidth	18Gbps
Maximum Resolution	4K@60Hz 4:4:4
HDCP Support	HDCP 2.2 / HDCP 1.4
Video Formats	4K60, 4K30, 1080P, 1080i, 720P
Input Ports	4 x HDMI 2.0
Audio Inputs	4 x 3.5mm Analog Audio
Output Ports	4 x HDMI 2.0
Audio Outputs	4 x 3.5mm Analog Audio
Video Wall	Supported
Multiview	Supported
Scaling	Supported
Audio Embedding	Supported
Audio De-Embedding	Supported
EDID Management	Supported
Control Methods	Front Panel, IR, RS-232, TCP/IP, APP
Display	Built-in TFT Status Screen
Transmission Distance	10m @ 4K60 / 15m @ 1080P60
Power Supply	DC 12V / 3A
Power Consumption	36W Max
Operating Temperature	-5°C to +40°C
Storage Temperature	-10°C to +60°C
Dimensions (WxDxH)	440 x 279 x 44 mm
Weight	4 Kg
Rack Size	1U

FRONT PANEL FEATURES

-  TFT Information Display
-  Input Selection Buttons
-  Output Selection Buttons
-  Menu Navigation Controls
-  Real-Time Status Monitoring


REAR PANEL CONNECTIVITY

-  **Video Inputs**
4 x HDMI 2.0
-  **Audio Inputs**
4 x 3.5mm Analog Audio
-  **Video Outputs**
4 x HDMI 2.0
-  **Audio Outputs**
4 x 3.5mm Analog Audio
-  **Control Interfaces**
 - TCP/IP Ethernet Port
 - RS-232 Serial Port
 - IR Receiver
 - APP Control

OUTPUT MODES



PACKAGE CONTENTS

-  • 1 x PS-HD44MVA Matrix Switcher
- 1 x IR Remote Control
- 1 x Power Adapter
- 1 x User Manual

CONTACT DETAILS



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Professional AV Connectivity Solutions