

PS-H44VM | 4K60 4x4 SEAMLESS HDMI MATRIX

HDMI 2.0 | HDCP 2.2 | 4K60 | Seamless switching | Video wall | Multiview



PRODUCT OVERVIEW

The Peapsonic PS-H44VM is a professional 4-input, 4-output HDMI 2.0 matrix switcher combining seamless matrix routing, 2x2 video-wall processing and multiview presentation in a compact 1U enclosure. Any of four HDMI sources can be routed to any output, while dedicated operating modes support flexible display arrangements.

The unit supports video up to 4K at 60 Hz, HDCP 2.2, HDR10 and a broad range of PCM, Dolby and DTS audio formats. Front-panel controls, IR and RS-232 enable straightforward local and integrated system operation.

KEY FEATURES

- Four HDMI inputs and four HDMI outputs.
- Seamless switching for professional presentation systems.
- Video resolutions up to 4K@60 Hz.
- HDMI 2.0 and HDCP 2.2 compliance.
- 2x2 video wall using four selectable source inputs.
- Multiview mode for combining multiple sources on one display.
- Independent balanced analogue audio outputs 1-4.
- Front-panel Matrix, Video Wall and MultiView modes.
- IR reception and RS-232 serial control.
- Save/load controls for repeatable operating configurations.

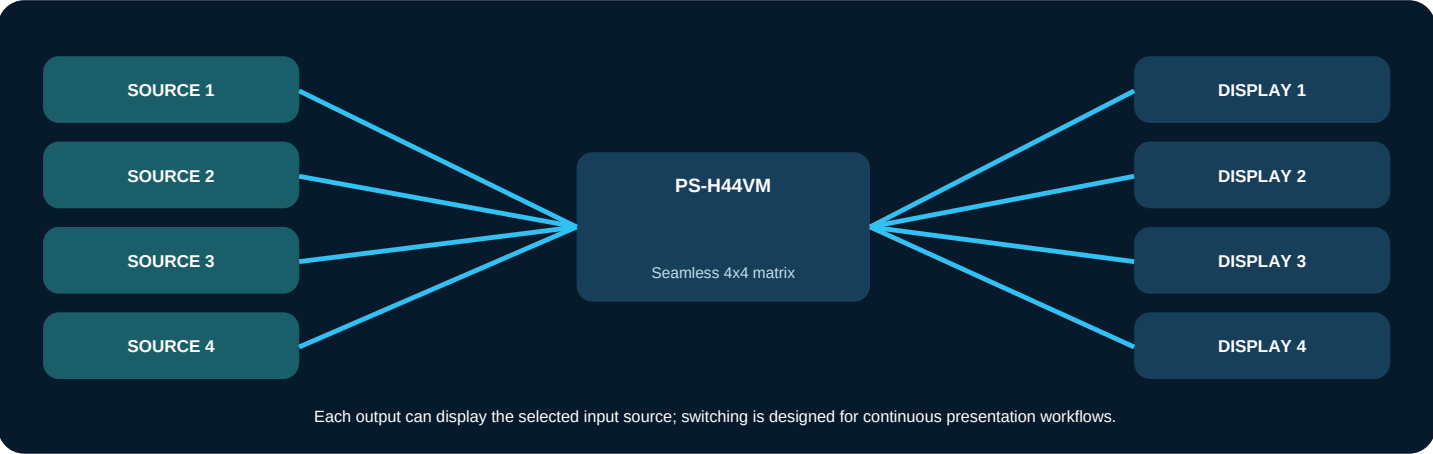
TYPICAL APPLICATIONS

- Control rooms and command centres
- Meeting and conference rooms
- Digital signage and retail
- Education and training rooms
- Sports bars and hospitality
- Events, showrooms and demonstrations

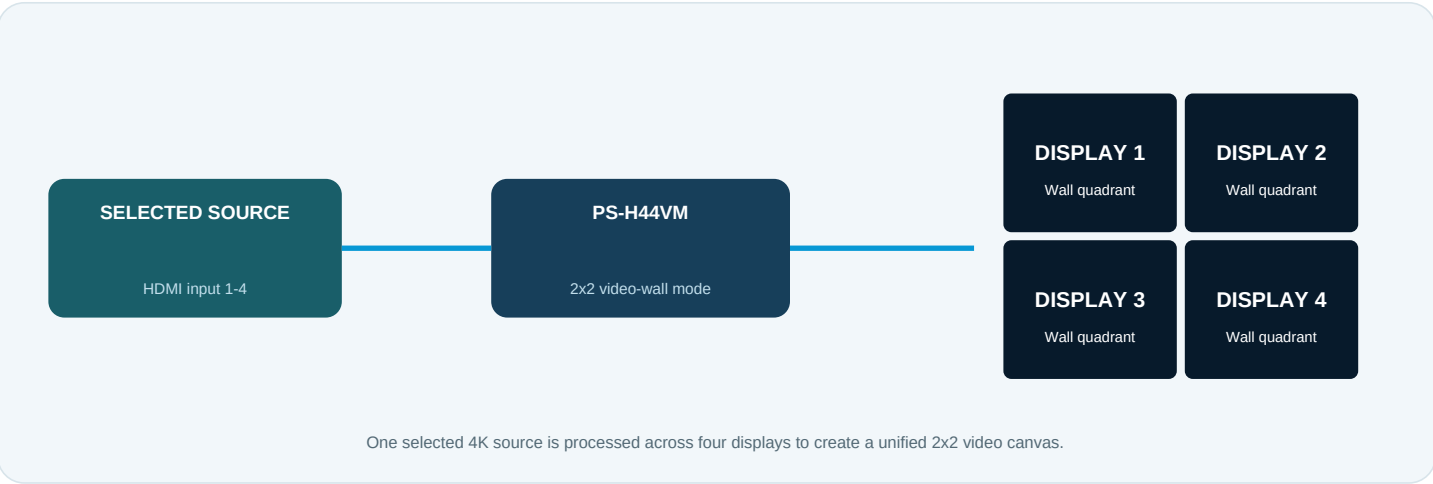
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Independent application diagrams for matrix routing, 2x2 video wall and multiview operation

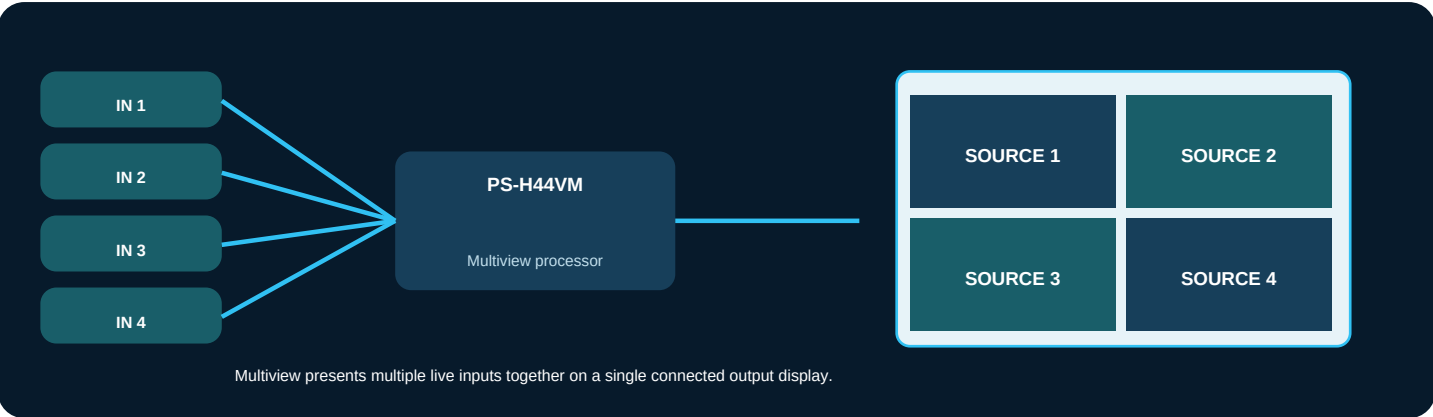
4x4 MATRIX ROUTING - ANY INPUT TO ANY OUTPUT



2x2 VIDEO-WALL APPLICATION



MULTIVIEW OPTION - MULTIPLE SOURCES ON ONE DISPLAY



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Connector guide, supported audio formats, control, power and physical specifications

CONNECTOR AND FRONT-PANEL CONTROL DETAILS

HDMI INPUT 1-4	Four HDMI source inputs for computers, players, codecs or AV equipment.
HDMI OUTPUT 1-4	Four HDMI display outputs for matrix, video-wall or multiview operation.
AUDIO OUTPUT 1-4	Balanced analogue audio outputs on terminal blocks, corresponding to outputs.
RS-232	3-pin serial control port; supported baud rate is 115200 bps.
IR	Front-panel IR receiver; 20-60 kHz, +/-45 degrees, up to 5 m.
MODE CONTROLS	Dedicated MultiView, Matrix and Video Wall buttons.
ROUTING CONTROLS	Input/output keys, direction pad, Enter, Menu and Function controls.
PRESET CONTROLS	Save, Load, Lock, All and Off controls for efficient operation.
POWER	12 V DC input, master power switch and front-panel power control.

VIDEO, AUDIO AND CONTROL SPECIFICATIONS

Model	PS-H44VM	PCM	2.0CH
Product type	4x4 seamless HDMI matrix	Multichannel PCM	5.1CH / 7.1CH
HDMI / HDCP	HDMI 2.0 / HDCP 2.2	Dolby Digital	2.0CH / 5.1CH
Maximum video	Up to 4K@60 Hz	Dolby Digital Surround	2.0CH
Dynamic range	SDR, HDR10	Dolby TrueHD	7.1CH
Video-wall mode	2x2, selectable source	DTS	2.0CH / 5.1CH
Multiview	Multiple sources / one display	DTS-HD Master	5.1CH / 7.1CH
HDMI inputs	4 x Type-A female	DTS:X Master	7.1CH
HDMI outputs	4 x Type-A female	IR support	20-60 kHz, +/-45 deg, 5 m
RS-232 baud	115200 bps	Audio outputs	4 x balanced analogue

POWER, ENVIRONMENTAL AND PHYSICAL

Power supply	12 V / 2 A	Operating altitude	Up to 2000 m
Power consumption	19.2 W	Humidity	Up to 95%
Power saving	1.56 W	Dimensions	180 x 437 x 44 mm
Operating temp.	0 to 55 deg C	Weight	2036 g
Storage temp.	-40 to 80 deg C	Warranty	3 years parts and labor

SYSTEM INTEGRATION NOTES

- Use certified high-speed HDMI cabling appropriate to the required resolution and distance.
- Confirm EDID, display capability and protected-content compatibility across the complete signal chain.
- Provide ventilation around the 1U chassis and use the supplied 12 V / 2 A power source.
- RS-232 and IR allow integration with compatible room-control and automation systems.