

MPN: VLHDMIMAT4X4-V2

HDMI 2.0 Matrix Fast Switcher 4x4

The VLHDMIMAT4X4-V2 is a professional 4x4 HDMI 2.0 matrix switcher designed for seamless routing of high-definition video and audio signals. It features four HDMI inputs and four HDMI outputs, with the last two outputs offering downscaling functionality to accommodate various display resolutions. The switcher supports HDMI 2.0 and HDCP 2.2 standards, ensuring compatibility with the latest 4K content.



Key features include an integrated audio matrix with four SPDIF and four analog audio outputs, allowing for flexible audio routing and de-embedding. The device supports advanced audio formats such as LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™. Comprehensive EDID management and advanced HDCP handling ensure maximum functionality with a wide range of video sources. Control options include front panel buttons, IR remote, RS232, and TCP/IP, providing versatile integration into various AV setups.

Typical Applications:

Ideal for professional AV installations requiring flexible routing of multiple HDMI sources to multiple displays, such as conference rooms, control centers, and educational facilities.

- 4x4 fast matrix switching up to 2-4 seconds.
- Support 18Gbps bandwidth for 4K@60Hz 4:4:4 8bit
- Deep color formats and HDR capability
- HD Audio support up to DTS:X and Dolby Atmos Supports audio de-embedded for all outputs.
- Control via front panel buttons, IR, RS-232 or TCP/IP.
- Built-in EDID, EDID learning and customized EDID.

Specifications

Features	Audio formats supported	PCM
	Bandwidth	18 Gbit/s
	Extended display identification data (EDID)	Yes
	HDCP	Yes
	HDCP version	2.2
	Maximum resolution	3840 x 2160 pixels
Operational conditions	Operating temperature (T-T)	-5 - 55 °C
Packaging content	AC adapter included	Yes
	Cables included	IR sensor
	IR receiver included	Yes
	Manual	Yes
	Mounting brackets included	Yes
Ports & interfaces	Audio (L/R) out	1
	HDMI version	2.0

Ports & interfaces	RJ-45 input ports	1
	RS-232 ports	1
Power	AC input voltage	100 - 240 V
Vendor information	Brand Name	Vivolink
	Warranty	5 Year(s)

Other images

