

MPN: VLHDMIMAT8X8

HDMI 2.0 Matrix Switcher 8x8

The Vivolink VLHDMIMAT8X8 is a professional 8x8 HDMI 2.0 matrix switcher designed for demanding AV installations where reliable 4K video distribution and flexible audio routing are essential.

The matrix supports up to 4K@60Hz 4:4:4 with HDR10 and Dolby Vision compatibility, while also supporting HDCP 2.3 for modern professional AV environments. With integrated audio matrix functionality, the unit allows audio de-embedding from any HDMI input or output to both analogue and digital audio outputs.

VLHDMIMAT8X8 includes advanced EDID management, comprehensive HDCP handling and multiple control options including front panel, IR, RS232 and TCP/IP control, making it ideal for integration into professional AV control systems.

The last four HDMI outputs support integrated 4K to 1080p downscaling, making the matrix highly flexible in mixed-resolution installations where both 4K and Full HD displays are used simultaneously.

The matrix also supports Active Optical HDMI cables (AOC) with HDMI power output up to 5V/500mA, helping ensure stable long-distance HDMI installations.

Key features

8 HDMI inputs and 8 HDMI outputs

Supports LPCM 7.1, Dolby Atmos®, Dolby TrueHD®, DTS:X™ and DTS-HD Master Audio™ pass-through

Individual volume adjustment on each analogue L/R output

18Gbps bandwidth

Supports bi-directional IR and RS232 extension

Rackmountable professional AV design

Supports firmware upgrades via network interface

HDMI outputs support up to 5V/500mA for AOC cables

Typical Applications

Conference rooms

Control centers

Education facilities

Corporate environments

Digital signage systems

Hospitality AV installations

Broadcast and production environments



Multi-display AV distribution systems

- HDMI 2.0 Matrix HDCP 2.3 Compliant
- Support 18Gbps bandwidth for 4K@60Hz 4:4:4 8bit
- HDMI Output support up to 5V 500mA for AOC cable
- Build-in GUI for matrix set-up and control over LAN
- Advanced EDID management and HDCP handling
- 4K to 1080p downscaling on up to four HDMI outputs

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
	Product type	8x8 HDMI 2.0 Matrix with Audio Matrix/Downscaling/ AOC Supported
Operational conditions	Operating temperature (T-T)	-5 - 55 °C
Packaging content	AC adapter included	Yes
	Cables included	IR sensor
	Mounting brackets included	Yes
Ports & interfaces	Audio (L/R) out	8
	Digital audio optical out	8
	HDMI input ports quantity	8
	HDMI output ports quantity	8
	HDMI version	2.0
	RJ-45 input ports	1
	RS-232 ports	1
Power	AC input voltage	100 - 240 V
	Power consumption (typical)	24 W
	Power over Ethernet (PoE)	No
	Power supply location	External
Technical details	Warranty period	5 year(s)
Vendor information	Brand Name	Vivolink
	Warranty	5 Year(s)

Other images

