

# VM5808H

## 8x8 HDMI Matrix Switch with Scaler

- The VM5808H 8 x 8 HDMI Matrix Switch is a distinct HDMI solution that offers an easy and affordable way to route any of 8 HDMI video sources to any of 8 HDMI displays. It can independently switch and arrange the audio/video outputs in any array possible, as well as provide a quick view of all port connections via the front panel LCD.

Specially designed VM5808H techniques include seamless switching that employs FPGA matrix system architecture, thereby ensuring continuous video streams, real-time control and stable signal transmission. With its built in high-performance scaler, the VM5808H converts various input video resolutions into the display's native resolution, giving viewers the best video and picture quality.

The VM5808H is ideal for stage presentations, competitions, control centers, and any system installation that require real-time reports.

● Front view



● Rear view



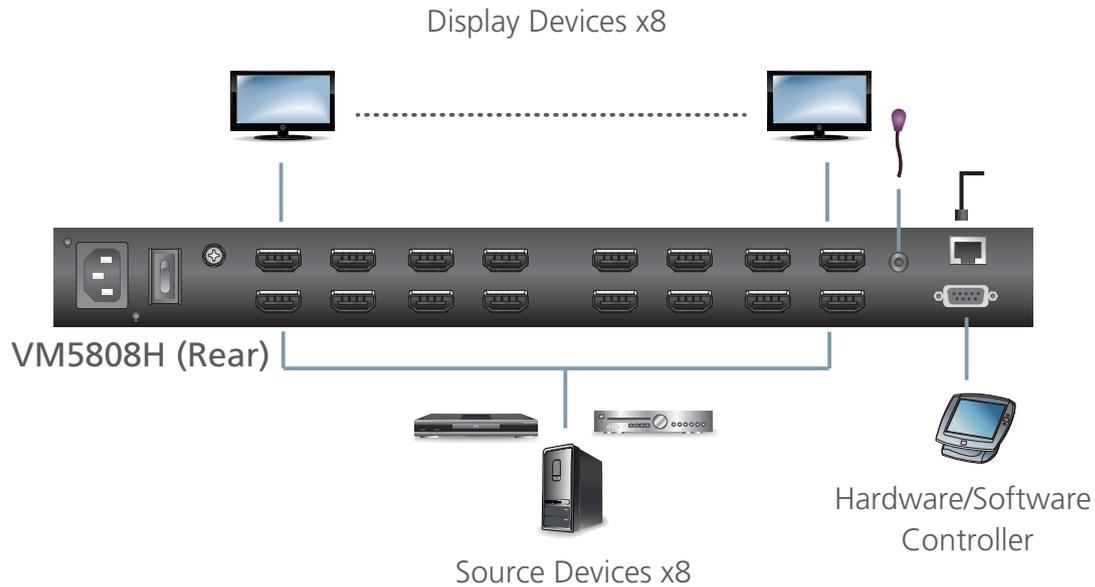
## Features

- Connects any of 8 HDMI sources to any of 8 HDMI displays
- Long Distance Transmission – supports up to 15 m (24 AWG)
- HDMI (3D, Deep color); HDCP compatible
- Features a built in high-performance scaler function for best image quality
- Easily switch between multiple sources and multiple displays
- Seamless Switch – provides continuous video streams, real-time switching and stable signal transmission\*
- EDID Expert technology – selects optimum EDID settings for smooth power-up and highest quality display
- Front Panel Configuration:
  - Front panel LCD display and pushbuttons
  - IR Remote Control
- System Operation:
  - Serial controller
  - Browser Graphical User Interface (GUI)
  - Telnet
- Built-in bi-directional RS-232 serial port for high-end system control
- Superior video quality – HDTV resolution of 480p, 720p, 1080i and 1080p (1920 x 1080)
- Supports Dolby True HD and DTS HD Master audio
- Consumer Electronics Control (CEC) support
- Power On Detection – If an HDMI source is powered off the VM5808H automatically switches to the next powered-on source
- Supports IR signals for remote control
- Firmware Upgradeable
- Rack Mountable
- All metal casing

\* If Seamless Switching is enabled, the video output will not display 3D, Deep Color or interlace(ex:1080i) resolution features. To avail of these features, you must disable Seamless Switching.

## Highlights

<b>Scaler</b>	The VM5808H is equipped with a high-performing scaling engine that converts various input video resolutions into the display's native resolution, giving viewers the best picture and video quality. Low input resolutions are scaled expertly to the best fit so that video playback is smooth and enjoyable. In addition, this premium scaling engine offers a range of aspect settings that automatically adjusts the picture ratio for maximum viewing comfort
<b>Seamless Switch</b>	The VM5808H has a built-in Scaler in FPGA design that can unify the video format and provide continuous video streams, real-time switching and stable signal transmission.
<b>FPGA Design Benefits</b>	Brings the matrix switch better cascade compatibility, and extends digital signals to longer distances



## Specification

Function		VM5808H
Connectors	HDMI In	8 x HDMI Type A Female (Black)
	HDMI Out	8 x HDMI Type A Female (Black)
	Ethernet	1 x RJ-45 Female
	RS-232	1 x DB9 Female (Black)
	IR Input Port	1 x Mini Stereo Jack Female (Black)
	Power	1 x 3-prong AC Socket
	LCD	1 x LCD Module
Switches	In / Out	8 x 8 buttons
	Cancel	1 x Pushbutton
	Menu	1 x Pushbutton
	Profile	1 x Pushbutton
	Enter	1 x Pushbutton
	Power	1 x Rocker
I/P Rating		100-240V; 50-60Hz; 1.0A
Power Consumption		120V/60W; 230V/62W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80% RH, Non-condensing
Physical Properties	Housing	Metal
	Weight	4.03 kg
	Dimensions (L x W x H)	43.20 x 27.10 x 4.40 cm

