VM5404H / VM5808H

4 x 4 / 8 x 8 HDMI Matrix Switch with Scaler

● The VM5404H / VM5808H 4 x 4/8 x 8 HDMI Matrix Switch is a distinct HDMI solution that offers an easy and affordable way to route any of 4/8 HDMI video sources to any of 4/8 HDMI displays, with a quick view of all port connections via the front panel LCD.

The VM5404H / VM5808H includes seamless switching that employs a FPGA matrix architecture that ensures continuous video streams, real-time control and stable signal transmissions. With a built in high-performance scaler, the VM5404H / VM5808H easily converts various input resolutions into various output display resolutions, giving viewers the best video and picture quality across all displays. The switch integrates video wall functionality with an easy to use web GUI that lets you create 8/16 connection profiles that can be customized into different video wall layouts.

The VM5404H / VM5808H is an ideal solution for applications that require multiple HDMI displays with multiple HDMI sources to be conveniently setup in multiple locations, such as for stage presentations, competitions, control centers, and installations that require real-time reports.

● VM5404H Front view

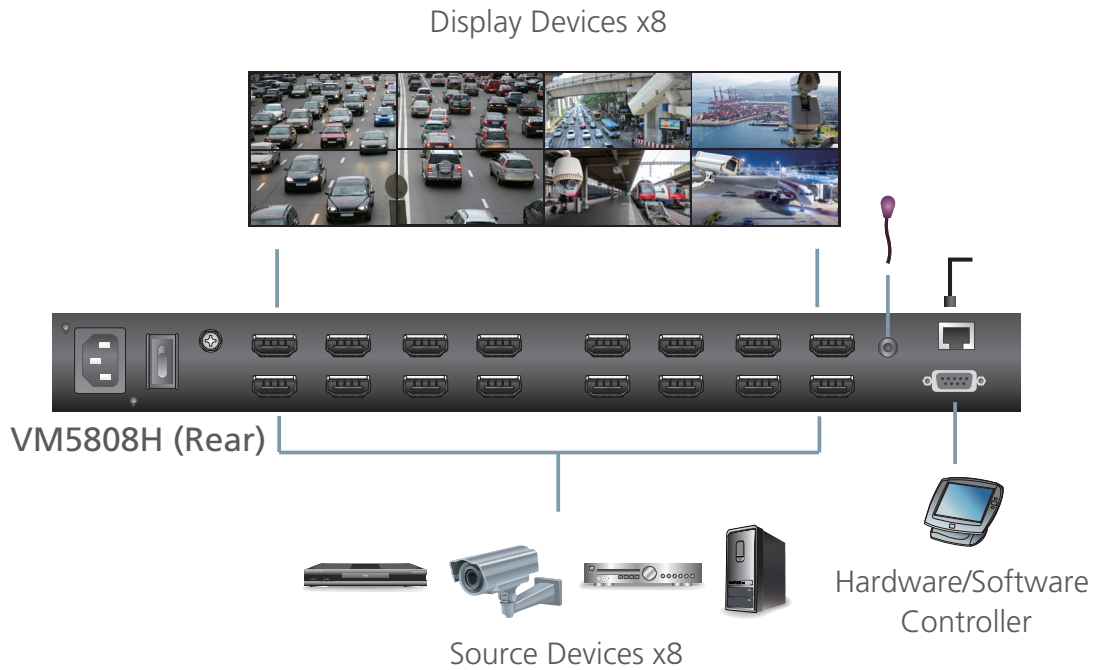● VM5404H Rear view

VM5808H Front view

VM5808H Rear view

Features

- Connects any of 4/8 HDMI sources to any of 4/8 HDMI displays
- Long Distance Transmission – supports up to 15 m (24 AWG)
- HDMI (3D, Deep color); HDCP 1.4 compatible
- Video Wall – provides up to 8/16 connection profiles that you can customize into layouts using the web GUI
- Features a built in high-performance scaler for the best image quality
- Easily switch between mulitple sources and multiple displays
- Seamless Switch – provides continuous video streams, real-time switching and stable signal transmissions*
- Built-in EDID wizard – provides an easy way to customized EDID settings
- Configuration and Control via:
  - Front panel LCD display and pushbuttons
  - IR Remote Control
- System Operation:
  - Browser Graphical User Interface (GUI)
  - Serial controller
  - 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)
- ESD protection for HDMI
- 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 VM5404H/VM5808H automatically switches to the next powered-on source
- Supports IR signals for remote control
- Firmware Upgradeable
- Rack Mountable

* If Seamless Switching is enabled, the video output will not display 3D, Deep Color or interlace (i.e., 1080i) resolutions. To make these features available, you must disable Seamless Switching.

Highlights

Video Wall	The VM5404H/VM5808H is equipped with Video Wall functionality integrated through an easy to use web GUI. The Video Wall setup provides up to 8/16 connection profiles that you can customize into layouts using a simple point and click web interface. Video Walls allow you to setup multiple displays that are configured to form and show video as a single large screen in various layouts to "see what you want, how you want".
Scaler	The VM5404H/VM5808H is equipped with a high-performance scaling engine that converts various input resolutions into the display's native resolution, giving viewers the best picture and video quality. Low input resolutions are scaled perfectly to the best fit so that video playback is smooth and enjoyable. In addition, the premium scaling engine offers a range of aspect settings that automatically adjusts the picture ratio for maximum viewing comfort.
Smooth and Seamless Viewing Experience	The VM5404H/VM5808H's built-in FPGA design unifies video formats and provides continuous video streams, real-time switching and stable signal transmissions. It is capable of high-speed switching between all input/output ports – supporting TMDS high data transfer rates of up to 1080p / 1920 x 1200 @ 60Hz to minimize latency.

Display Devices x8

VM5808H (Rear)

Source Devices x8

Hardware/Software Controller

Specification

Function		VM5404H	VM5808H
Connectors	HDMI In	4 x HDMI Type A Female (Black)	8 x HDMI Type A Female (Black)
	HMDI Out	4 x HDMI Type A Female (Black)	8 x HDMI Type A Female (Black)
	Ethernet	1 x RJ-45 Female	
	RS-232	1 x DB-9 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	4 x 4 buttons	8 x 8 buttons
	Next	1 x Pushbutton	N/A
	Previous	1 x Pushbutton	N/A
	Cancel	1 x Pushbutton	
	Menu	1 x Pushbutton	
	Profile	1 x Pushbutton	
	Enter	1 x Pushbutton	
	Power	1 x Rocker	
LEDs	Menu	1 (Green)	
	Profile	1 (Green)	
I/P Rating		100-240Vac; 50-60Hz; 1.0A	
Power Consumption		120V/36.6W; 230V/37.5W	120V/60W; 230V/62W
Environment	Operating Temp.	0–50ºC	
	Storage Temp.	-20–60ºC	
	Humidity	0–80% RH, Non-condensing	
Physical Properties	Housing	Metal	
	Weight	4.10 kg	4.03 kg
	Dimensions (L x W x H)	43.20 x 26.20 x 4.40 cm	