

VM5404D / VM5808D

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

- While HDMI-compliant devices are becoming more popular, the majority of traffic control centers and other large-scale, centralized control rooms still rely on DVI display devices.

In order to avoid signal instability, quality deterioration and other factors associated with interface converters, ATEN created the VM5404D / VM5808D: A seamless matrix switch for DVI signals that offers an easy and affordable way to route any of 4/8 DVI video sources to any of 4/8 DVI displays.

The VM5404D / VM5808D includes seamless switching that employs an FPGA matrix architecture to ensure continuous video streaming, real-time control and stable signal transmission. With a built-in high-performance scaler, the VM5404D / VM5808D easily converts various input resolutions into a array of output resolutions, giving viewers the best image quality across all displays. The switch also integrates video wall functionality with an easy-to-use web GUI that lets you create 8/16 connection profiles for convenient layout customization.

The VM5404D / VM5808D is the ideal solution for any control center streaming multiple sources to multiple displays.

VM5404D Front view



VM5404D Rear view



VM5808D Front view



VM5808D Rear view

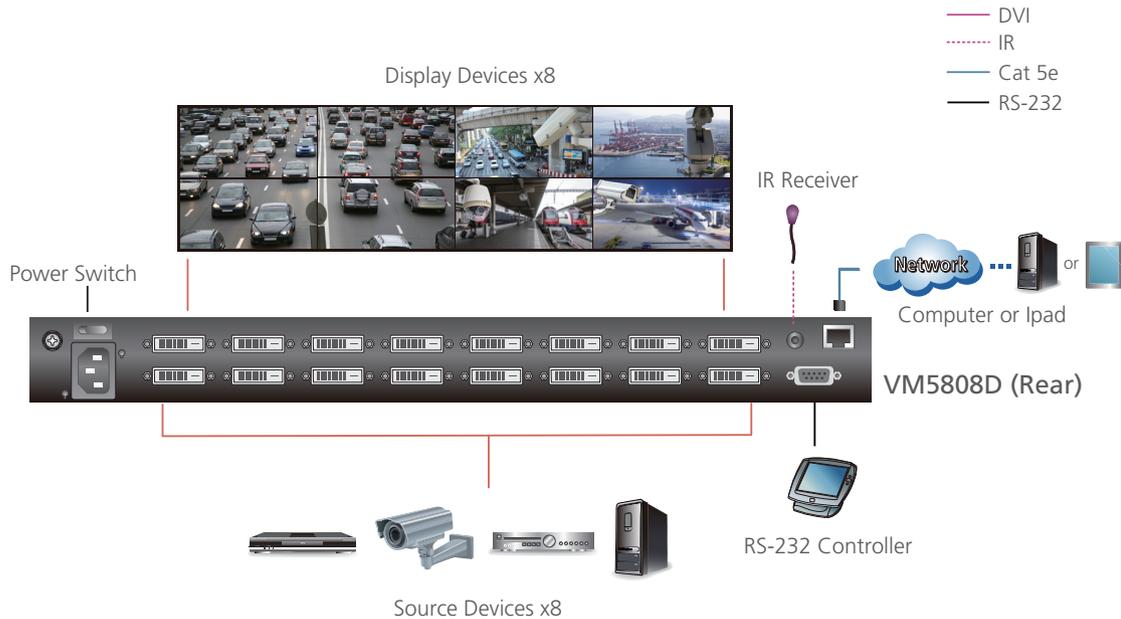


Features

- 4x4 or 8x8 DVI I/O connections
- Configuration and Control via pushbuttons / IR Remote Control
- System Operation via bi-directional RS-232 serial controller / Browser Graphical User Interface (GUI) / Telnet
- Extends IR transmission via IR extension cable
- Built-in Scaler on each output port converts input resolutions into the display's native resolution, supports scaling 1920 x 1200 resolutions up or down
- Seamless Switch™ – ATEN FPGA design unifies video formats to provide continuous video streams, real-time switching and stable signal transmissions
- Video Wall – feaures up to 8/16 video wall profiles for custom screen layouts via point-n-click web GUI
- EDID Expert – configures optimum EDID settings for smooth power-up, high-quality display and use of the best resolution across different screen
- Firmware Upgradeable
- Rack Mountable (1U Design)

Highlights

Video Wall	<p>The VM5404D/VM5808D 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”.</p>
Smooth and Seamless Viewing Experience	<p>The VM5404D/VM5808D’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.</p>



Specification

Function		VM5404D	VM5808D
Video Input	Interface	4 x DVI-D Female (White)	8 x DVI-D Female (White)
	Impedance	100 Ω	
	Max. Distance	1.8 m	
Video Output	Interface	4 x DVI-D Female (White)	8 x DVI-D Female (White)
	Impedance	100 Ω	
Video	Max. Data Rate	6.75 Gbps (2.25 Gbps Per Lane)	
	Max. Pixel Clock	225 MHz	
	Compliance	HDCP 1.4 Compatible	
	Max. Resolutions	Up to 1920 x 1200	
	Max. Distance	Up to 5m	
Control	RS-232	Connector: 1 x DB-9 Female (Black) Baud Rate and Protocol: Baud Rate: 19200, Data Bits: 8, Stop Bit: 1, Parity: No, Flow Control: No	
	IR	1 x Mini Stereo Jack Female (Black)	
	Ethernet	1 x RJ-45 Female (Black)	
EDID Settings		EDID Mode: Default / Port 1/ Remix / Customized	
Power		Connector: 1 x 3-Prong AC Socket; I/P Rating: 100-240VAC; 50-60Hz; 1.0A Consumption: VM5404D: 120VAC, 34.1W; 230VAC, 34.4W VM5808D: 120VAC, 56.4W; 230VAC, 55.9W	
Environment	Operating Temp.	0–50°C	
	Storage Temp.	-20–60°C	
	Humidity	0–80% RH, Non-condensing	
Physical Properties	Housing	Metal	
	Weight	3.50 kg	4.25 kg
	Dimensions (L x W x H)	43.24 x 25.98 x 4.40 cm	

