

## VM0202H

2x2 4K HDMI Matrix Switch



The VM0202H is a 2 X 2 [HDMI Matrix](#) Switch that meets HDMI Specification features including 3D, Deep Color up to 12-bit, and data rates up to 10.2 Gbps. Engineered for the future trend of high-definition video switching, the VM0202H supports computer and video signals at resolutions up to 4K.

The VM0202H matrix switch provides high performance routing of 2 HDMI video sources such as HD camcorders, satellite boxes, HD-DVD players, high-definition Blue-ray players, [home theater](#) PCs and stand-alone streaming media players to any 2 HDMI displays. The remote control and convenient front panel pushbuttons allow you to efficiently cycle through HDMI source devices and displays, while the front panel LEDs indicate the source device for each display at a glance.



### Features

- Connects 2 HDMI sources to any 2 HDMI displays
- HDMI (3D, Deep Color, 4k); [HDCP](#) 1.4 Compatible
- Supports computer and video resolutions up to 4K
- Max. Data Rate 10.2 Gbps (3.4 Gbps Per Lane)
- Supports long distance transmission at a distance up to 15 meters
- Multiple Control Methods- system management via front panel push buttons, IR remote and RS- 232 control
- Consumer Electronics Control (CEC) allows interconnected HDMI devices to communicate and respond to one remote control
- EDID Expert™ — Selects optimum [EDID](#) settings for smooth power-up, high-quality display and use of the best video resolution across different screens
- Supports ATEN's Lock Pro™ HDMI cable lock for securing HDMI cable connections
- All-metal casing
- Firmware upgradable
- Rack mountable

### Specifications

Video Input	
Interfaces	2 x HDMI Type A Female (Black)
Impedance	100 Ω

Max. Distance	1.8 m
Video Output	
Interfaces	2 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	15 m
Video	
Max. Data Rate	10.2 Gbps (3.4 Gbps Per Lane)
Max. Pixel Clock	340 MHz
Compliance	HDMI (3D, 4K, Deep Color) HDCP 1.4 Compatible Consumer Electronics Control (CEC)
Max. Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Max. Distance	Up to 15 m
Control	
USB	1 x Micro USB F/W upgrade
RS-232	Connector: 1 x DB-9 Female (Black) Baud rate and protocol: Baud Rate: 19200, Data Bits: 8, Stop Bits:1, Parity: No, Flow Control: No
IR	1 x Mini Stereo Jack Female (Black)
EDID Settings	EDID Mode: Default / Port1 / Remix
Carton Lot	5 pcs
Physical Properties	
Weight	0.58 kg ( 1.28 lb )
Housing	Metal
Dimensions (L x W x H)	20.00 x 7.60 x 4.20 cm (7.87 x 2.99 x 1.65 in.)
Connectors	
Power	1 x DC Jack (Black)
Power Consumption	DC5V:4.3W:20BTU
Environmental	
Operating Temperature	0-40 °C

Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

**Diagram**



**ATEN International Co., Ltd.**

3F, No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan  
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767  
 www.aten.com E-mail: marketing@aten.com

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