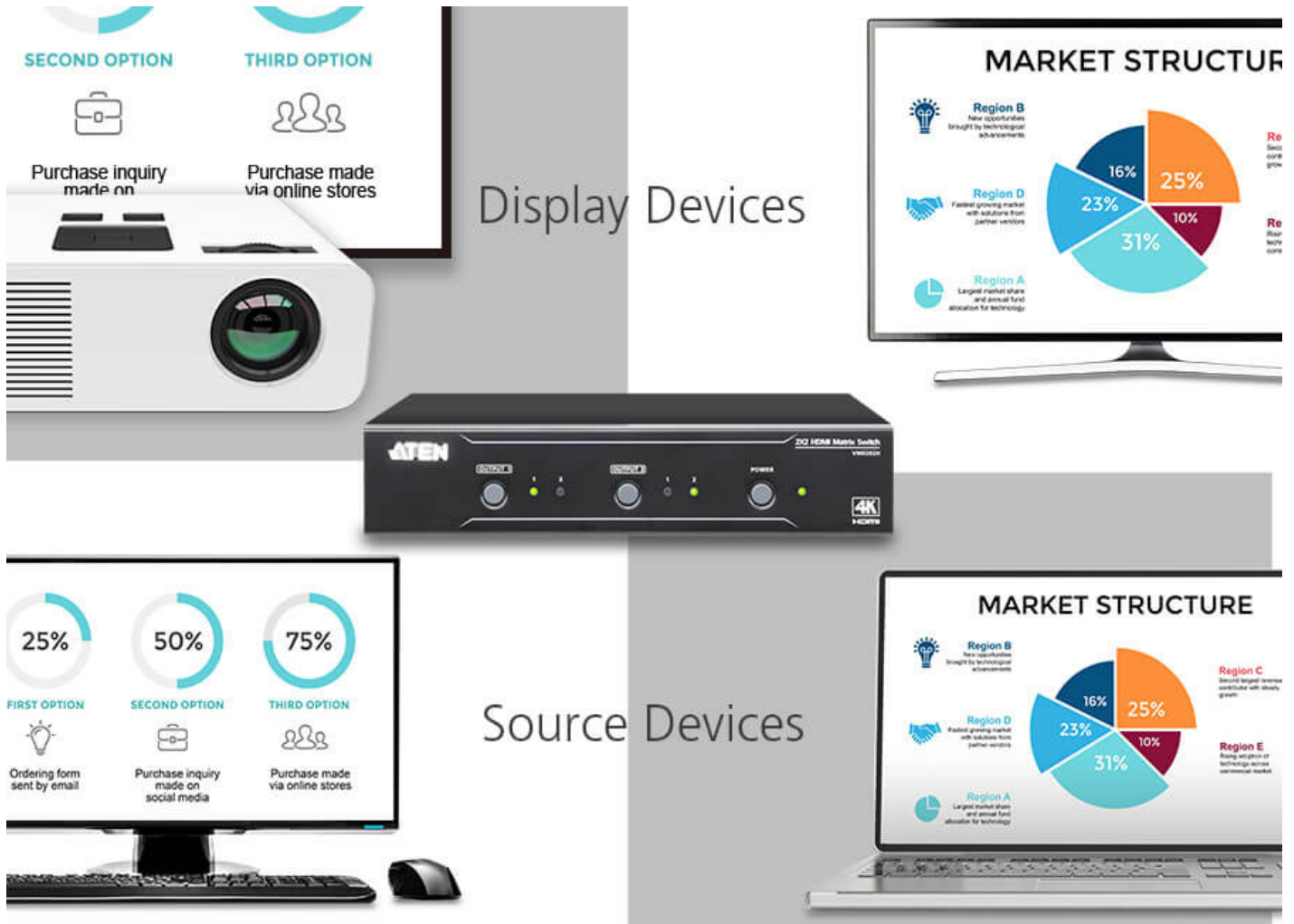# VM0202H
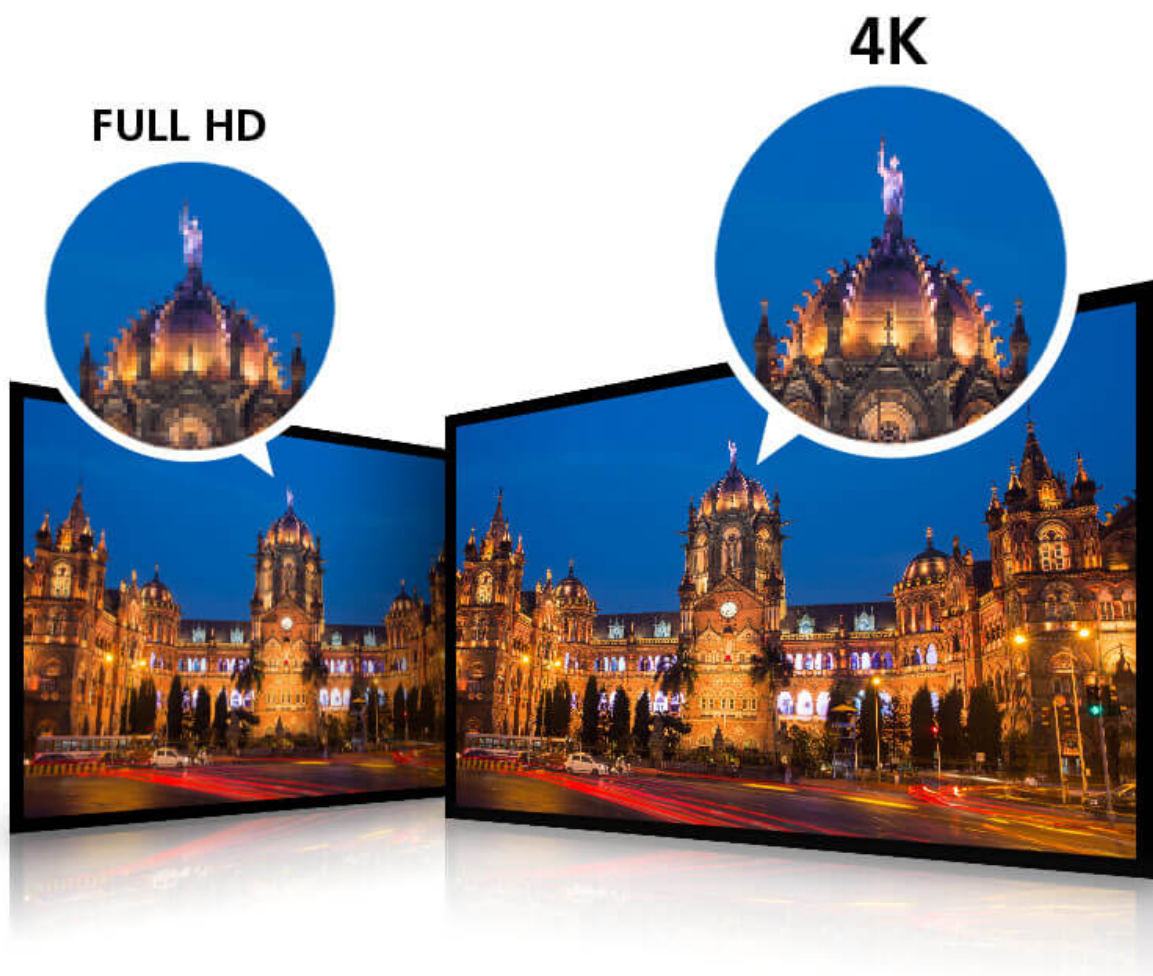
2x2 4K HDMI Matrix Switch - TAA Compliant

VM0202H

2 x 2 4K HDMI Matrix Switch

HDMI
(3D, 4K, Deep Color)

4K
Up to 4096 x 2160
@60Hz (4:2:0)

Diverse Control

Ideal for Managing Content Across 2 Displays

The VM0202H is a compact 2 x 2 matrix switch compatible with HDMI source and display devices. Any input can be routed to any output, reducing the need for you to move devices or cables when displaying content from different HDMI sources on different outputs. It is ideal for meeting rooms and classrooms, as well as any venue where you need to switch between 2 different video sources on different displays.

Display Devices

Source Devices

Stunning Video Quality with 4K

Featuring support for up to 4096x2160@60Hz (4:2:0) resolutions, the VM0202H delivers brilliant video quality with amazing detail.

Contact Us

Get a quote for this product or get in touch with our sales experts

Get Quote

 Contact Sales

Multiple Control Options for Easy Operation

The VM0202H offers both manual and remote control options to make your operations easy. You can switch inputs to outputs and adjust audio settings manually through front panel pushbuttons. For remote control, simply plug-n-play the IR receiver and the corresponding IR remote. In addition, you can even integrate VM0202H with your preferred control interface via RS-232.

Talk to Our Experts

If you prefer to have ATEN contact you, please complete the form and a representative will be in touch with you shortly

First Name *

Last Name *

- Country *

Company *

Email *

Phone Number

- Customer Type *

Job Title *

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

Specification

Video Input	
Interfaces	2 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	5 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