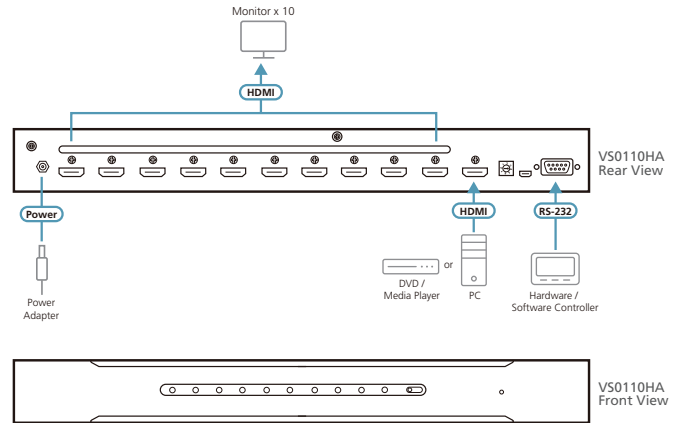# 10-Port 4K HDMI Splitter

VS0110HA

The VS0110HA 4K HDMI Splitter is a perfect solution for applications that require sending one source of high-definition 4K video to ten displays at the same time. The HDMI interface caters to most mainstream sources and sinks, such as DVD players, satellite set-top boxes, and any HDMI displays. Featuring ATEN EDID technology, the VS0110HA guarantees continuous EDID communication with connected devices and maintains optimum video outputs.

The VS0110HA 4K HDMI Splitter is HDCP (High-bandwidth Digital Content Protection) compliant, making it effective for use with all HDMI displays in home theater applications, as well as in corporate, educational and commercial settings.

Features

- Connects one HDMI source to up to ten HDMI displays at the same time
- HDMI (3D, Deep color, 4K); HDCP 1.4 compliant
- Superior video quality – up to 4K resolutions (4096 x 2160 @ 60Hz; 4:2:0)
- Long distance transmission from source to output - up to 15 m
- Built-in bi-directional RS-232 serial control port for high-end system control
- Supports Dolby True HD and DTS HD Master Audio
- Clear LED indication of device status
- EDID Expert™ – Selects optimum EDID settings for smooth power-up, high quality display and use of the best resolution across different screens
- Plug-and-play
- Rack-mountable (1U design)

Specifications

	VS0110HA
LEDs	
Power	1 x LED (Green)
Input	1 x LED (Green)
Video Output	10 x LED (Green)
Video Input	
Interfaces	1 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	5 m (at 4K resolution)
Video Output	
Interfaces	10 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	10 m (at 4K resolution)
Video	
Max. Data Rate	10.2 Gbps (3.4 Gbps per lane)
Max. Pixel Clock	340 MHz
Compliance	HDMI (3D, Deep Color, 4K); HDCP 1.4 Compatible
Max. Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Control	
RS-232	Connector: 1 x DB-9 Female (Black) Baud Rate: 19200 / Data Bits: 8 / Stop Bits:1 / Parity: No / Flow Control: No
EDID Settings	EDID Switch x1 EDID Mode: Default (1080p) / Port 1 / Auto
Connectors	
Power	1 x DC Jack
USB Port	1 x Micro USB (F/W upgrade)
Power Consumption	DC5V, 4.34W
Environmental	
Operating Temperature	0 – 40 °C
Storage Temperature	-20 – 60 °C
Humidity	0 – 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	2.10 kg
Dimensions (L x W x H)	43.72 x 15.78 x 4.40 cm