4/8-Port HDMI over Single Cat 5 Splitter
VS1814T / VS1818T

The VS1814T/VS1818T HDMI over Single Cat 5 Splitter provides a fast and efficient way to switch high-definition video from one input source to 4/8 displays. When used in unison with compatible HDBaseT receivers*, the VS1814T/VS1818T becomes a complete solution ideal for any installation that requires HDMI content to be delivered to multiple destinations located up to 100 m away from the source.

Implementing HDBaseT extension technology to connect to receiver units over one single Cat 5e/6 cable, the VS1814T/VS1818T is able to transmit rich HDMI multimedia content in real time. It also supports resolutions up to 4K and features an EDID selection method – ensuring constant and reliable EDID data relay for the HDMI source device and efficient video resolution optimization.

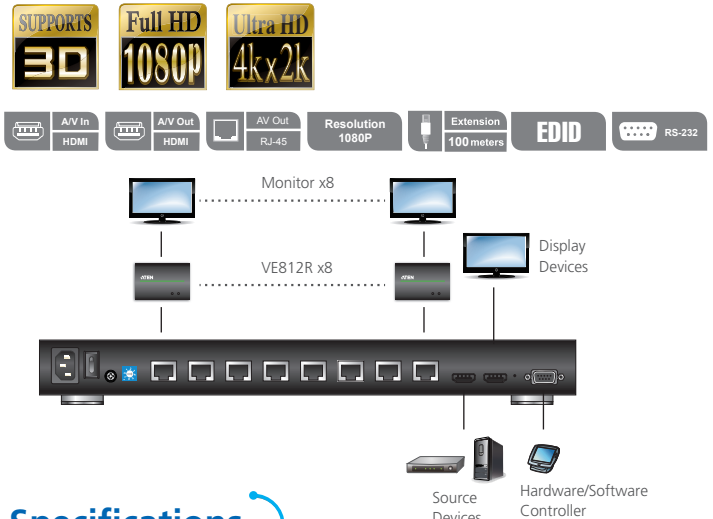The VS1814T/VS1818T is perfect for a wide range of applications:
• In-store or tradeshow digital signage
• Information broadcasts at public locations (e.g. flight times at an airport, weather and tide forecasts at beaches)
• Sporting events
• Theater and lecture rooms
• Classrooms and company training facilities

Features

• One HDMI input to 4/8 HDMI outputs via a Cat 5e/6 cable
• Offers local HDMI output
• Extends displays up to 100 m
• Implements HDBaseT extension technology using only one Cat 5 cable to connect the transmitter and receiver
• Anti-jamming – resists signal interference during high-quality video transmissions using HDBaseT technology
• HDMI (3D, Deep Color, 4K); HDCP-compatible
• Supports Dolby True HD and DTS HD Master Audio
• Consumer Electronics Control (CEC) support
• Built-in bi-directional RS-232 serial port for high-end system control
• Supports resolutions of up to Ultra HD 4K and 1080p Full HD
• Supports up to 340 MHz bandwidth for high-performance video
• Signaling rates up to 3.4 Gbits
• EDID mode selection
• Rack-mountable

*Note: For more information about compatible HDBaseT receivers, please visit www.aten.com

Specifications

Function	VS1814T	VS1818T
Video Input		
Interface	1 x HDMI Type A Female (Black)	
Impedance	100 Ω	
Max. Distance	1.8 m	
Video Output		
Interface	1 x HDMI Type A Female (Black) - Local Output	
Interface	4 x RJ-45 Female	8 x RJ-45 Female
Impedance	100 Ω	
Video		
Max. Data Rate	10.2 Gbps (3.4 Gbps per Lane)	
Max. Pixel Clock	340 MHz	
Compliance	HDMI (3D, Deep Color, 4K) HDCP-compatible Consumer Electronics Control (CEC) HDBaseT-compatible	
Max. Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30 Hz (4:4:4) (Depends on connected receiver)	
Max. Distance	Up to 100 m (Depends on connected receiver)	
Audio		
Input	1 x HDMI Type A Female (Black)	
Output	1 x HDMI Type A Female (Black)	
Control		
RS-232	**Connector:** 1 x DB-9 Female (Black) **Serial Control Pin Configurations:** Pin2 = Tx, Pin 3=Rx, Pin 5= Gnd **Baud Rate and Protocol:** Baud Rate: 19200, **Data Bits:** 8, **Stop Bits:** 1, **Parity:** No, **Flow Control:** No	
EDID Settings	EDID Mode: Default / Port 1 / Auto / Learn	
Power		
Connectors	1 x 3-Prong AC Socket (Black)	
Consumption	120 VAC, 20 W; 230 VAC, 23 W	120 VAC, 33 W; 230 VAC, 35 W
Environmental		
Operating Temperature	0° to 50° C	
Storage Temperature	-20° to 60° C	
Humidity	0 - 80% RH, Non-condensing	
Physical Properties		
Housing	Metal	
Weight	3.47 kg	3.58 kg
Dimensions (L x W x H)	43.72 x 26.11 x 4.40 cm	43.72 x 26.11 x 4.40 cm