

4/8-Port HDMI HDBaseT Cat 5 Splitter

VS1814T / VS1818T

The VS1814T / VS1818T HDMI HDBaseT 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 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:

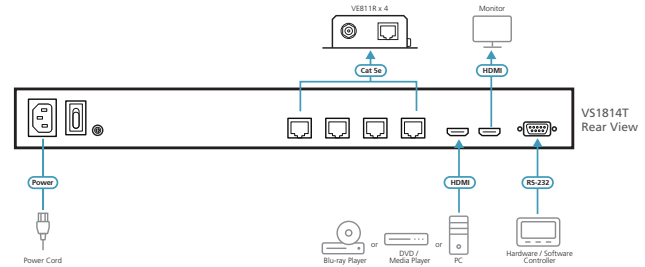
- In-store or tradeshow digital signage
- Information broadcasts at public locations (e.g. flight times at an airport, weather and tide forecasts at beaches)
- Sporting events
- Theater and lecture rooms
- Classrooms and company training facilities



Features

- One HDMI input to 4/8 HDBaseT 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



Note: This is the connection diagram for VS1814T.
The VS1818T is identical but with a total of eight RJ-45 female ports.

Specifications

	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 4 x RJ-45 Female	1 x HDMI Type A Female (Black) - Local Output 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	
Connectors		
Power	1 x 3-Prong AC Socket (Black)	
Power Consumption		
	AC110V:18.2W AC220V:18.2W	AC110V:31.7W AC220V:31.7W
Environmental		
Operating Temperature	0 – 50° C	
Storage Temperature	-20 – 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)	43.24 x 26.11 x 4.40 cm	
Carton Lot	1 pcs	

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Product information is subject to change without prior notice.

Released: 11/2024 V6.0

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