Simply Better Connections

VS1818T

8-Port HDMI HDBaseT Splitter
(HDBaseT Class A)

The VS1818T HDMI over single Cat 5 Splitter provides a fast and efficient way of switching high definition video from one input source to 8 displays. Incorporating suggested HDBaseT receivers*, the VS1818T can be a complete solution ideal for any installation that requires HDMI content to be delivered to multiple destinations, located up to 100m away from the source.

* Compatible with ATEN HDBaseT/HDBaseT-Lite Receiver Unit.

The solution implements HDBaseT extension technology to connect the VS1818T to receiver units over one single Cat 6 cable in order to transmit rich HDMI multimedia content in real time. It supports up to 4k2k resolution, and features an EDID selection method to ensure constant and reliable EDID data relay for the HDMI source device to efficiently optimize video resolution.

The VS1818T solution is perfect for a wide range of applications:
• In-store or tradeshow digital signage
• Information broadcasts at public locations (i.e., news, stations, airline and train schedule and arrival/departure details)
• Sporting events
• Theater and lecture overview rooms
• Classroom and company training facilities

Features

- One HDMI input to 8 HDMI outputs via a Cat 5e 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, 4kx2k); HDCP Compatible
- Supports Dolby True HD and DTS HD Master Audio
- Consumer Electronics Control (CEC) support
- Built-in bi-directional RS-232 serial remote port for high-end system control
- Supports resolutions of up to Ultra HD 4kx2k and 1080p Full HD
- Supports up to 340MHz bandwidth for high performance video
- EDID mode selection
- Rack-mountable

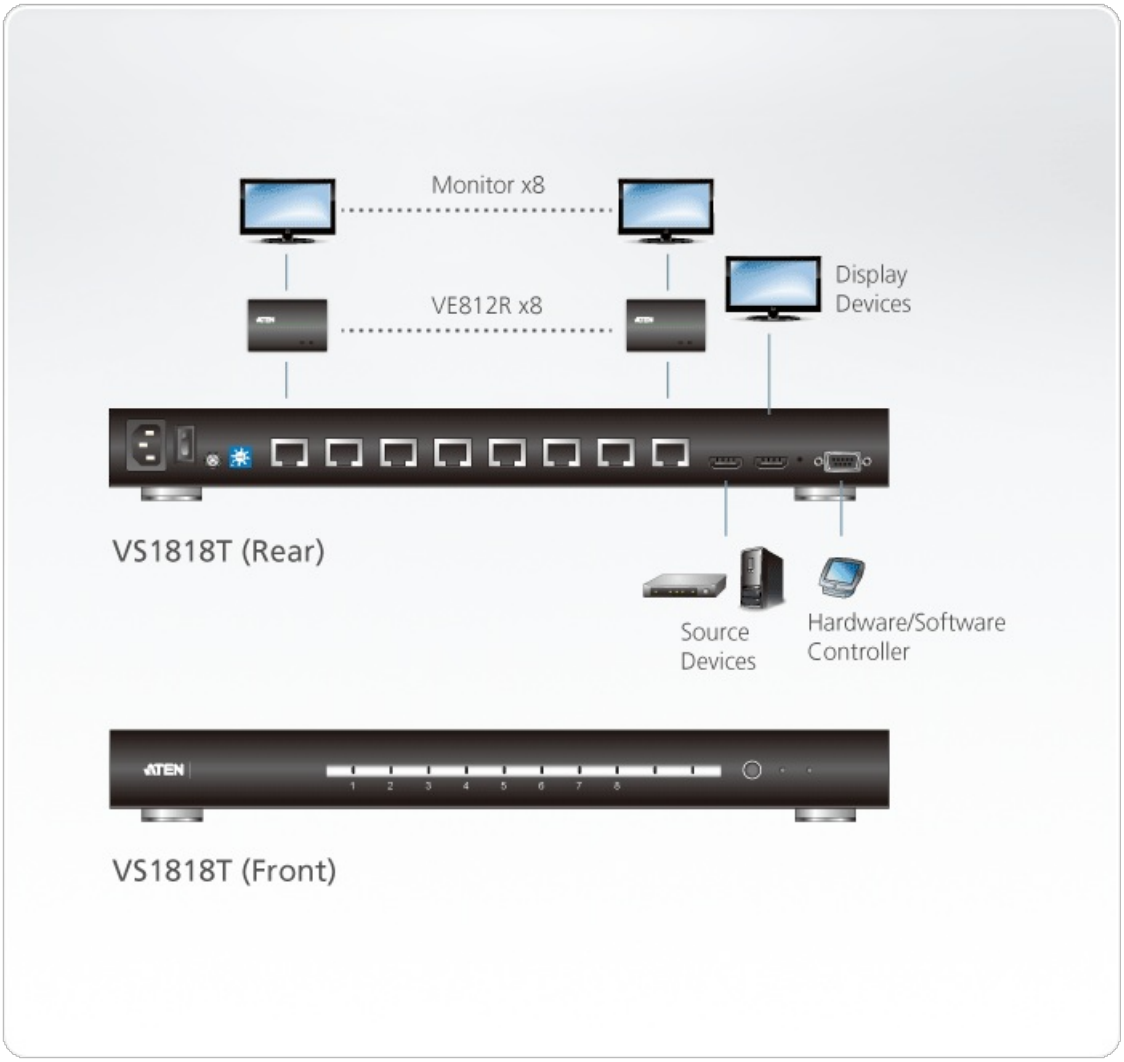
* Note: The VS1818T is compatible with the VE812R HDMI over Single Cat 5 Receiver.

Specifications

Video Input	
Interfaces	1 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	1.8 m
Video Output	
Interfaces	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 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (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:31.7W:149BTU AC220V:31.7W:149BTU
Environmental	
Operating Temperature	0-50°C
Storage Temperature	-20 - 60°C

Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	3.58 kg (7.89 lb)
Dimensions (L x W x H)	43.24 x 26.11 x 4.40 cm (17.02 x 10.28 x 1.73 in.)
Carton Lot	1 pcs
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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