

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.

* Suggested Compatible Receiver Units: VE812R HDMI Over Single Cat 5 Receiver

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.

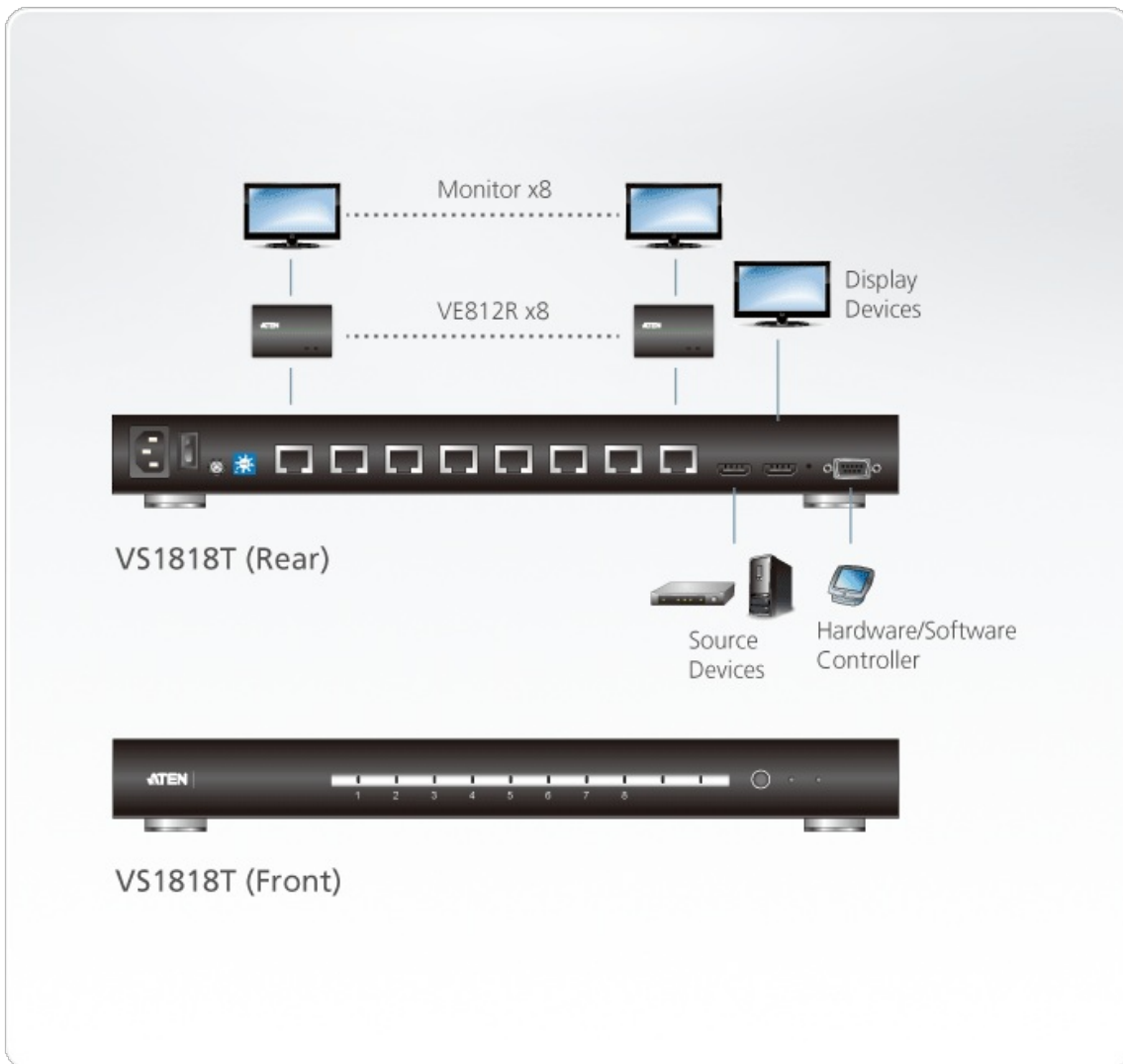
Specification

8-Port HDMI Over Single Cat 5 Splitter

| | |
|------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 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) | 43.72 x 26.11 x 4.40 cm (17.21 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



ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
www.aten.com E-mail: marketing@aten.com



© Copyright 2015 ATEN® International Co., Ltd.
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.
All rights reserved. All other trademarks are the property of their respective owners.