

# 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:

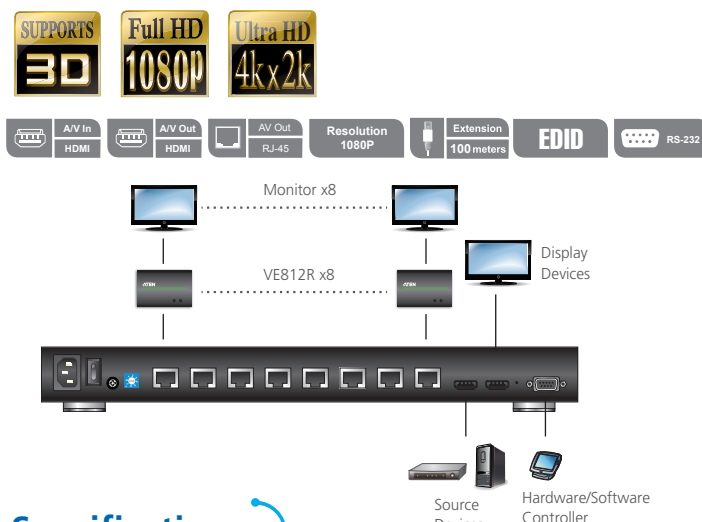
- In-store or tradeshow digital signage
- Information broadcasts at public locations (e.g. flight times at an airport, weather and tide forecasts at beaches)
- Sporting events
- Theater and lecture rooms
- Classrooms and company training facilities



## 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](http://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<br>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)<br>HDCP-compatible<br>Consumer Electronics Control (CEC)<br>HDBaseT-compatible                                                                                                         |                                 |
| Max. Resolution        | Up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4:2:0);<br>4096 x 2160 / 3840 x 2160 @ 30 Hz (4:4:4)<br>(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)<br>Serial Control Pin Configurations: Pin2 = Tx, Pin 3=Rx, Pin 5= Gnd<br>Baud Rate and Protocol:<br>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;<br>230 VAC, 23 W                                                                                                                                                                                  | 120 VAC, 33 W;<br>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         |

## 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](http://www.aten.com) E-mail: [marketing@aten.com](mailto:marketing@aten.com)

Publish Date: 09/2016 V5.0



© Copyright 2016 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.