

## VS174

4-Port DVI Dual Link/Audio Splitter

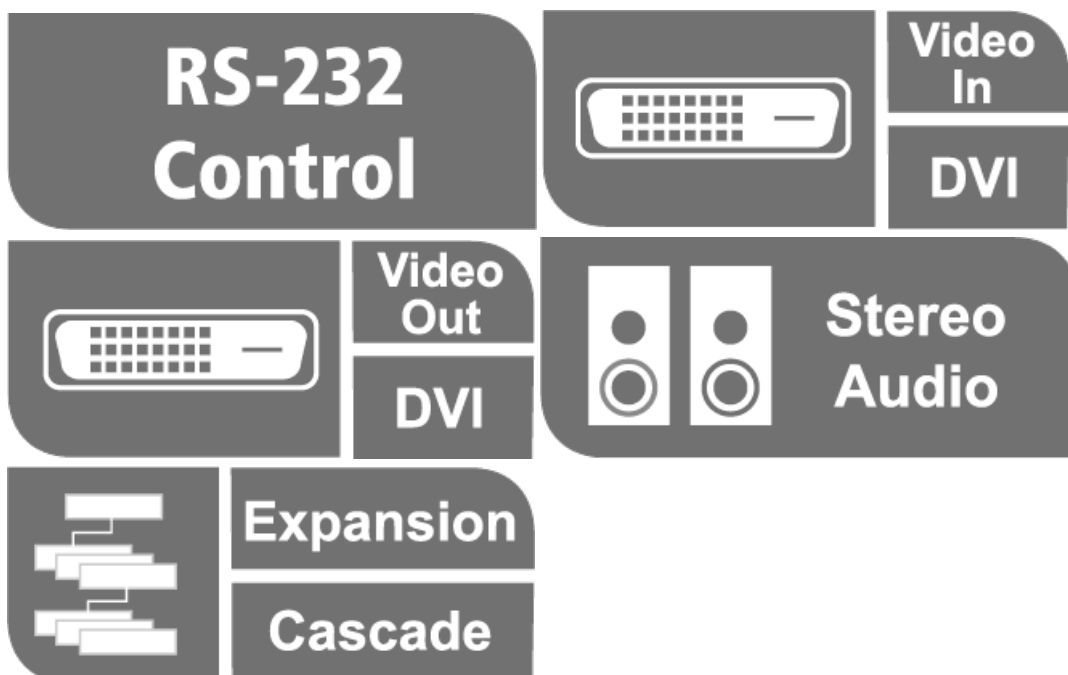


The VS174 4-Port DVI Dual Link Splitter with Audio combines DVI quality video and audio, taking signals from an audio/ video source and replicating them to four audio/video outputs. This video splitter uses dual link technology, which offers high bandwidth capacity for added transmission power and faster refresh rates, thereby providing better video quality of viewing resolutions up to 2560 x 1600.

The built-in bi-directional RS-232 port on the rear panel allows the splitter to be controlled through a Control Unit, PC, and/or home automation/home theater software package for complete system integration.

The VS174 is easy to operate and can be cascaded to three levels, handling up to 64 monitors, which makes them the ideal solution for situations such as:

- a) Broadcasting video information to the public (news headlines, stock prices, airline and train schedules, etc.)
- b) Company training facilities
- c) Classroom instruction



## Features

- Displays DVI audio/video to multiple DVI-compatible monitors or projectors
- Superior video quality - up to 2560 x 1600 @ 60 Hz including 2K-resolution (2048 x 2048 @ 60 Hz)
- Cascadable to 3 levels – provides up to 64 video signals
- Audio enabled
- Features RS-232 serial port for command controls
- RS-232 Chain Control – use RS-232 commands to control cascaded devices via a DVI Cable
- EDID Expert – selects the optimum EDID settings via RS-232

Note:

\* The VS174 AP and GUI operation instructions can be downloaded from the ATEN website ([www.aten.com](http://www.aten.com))

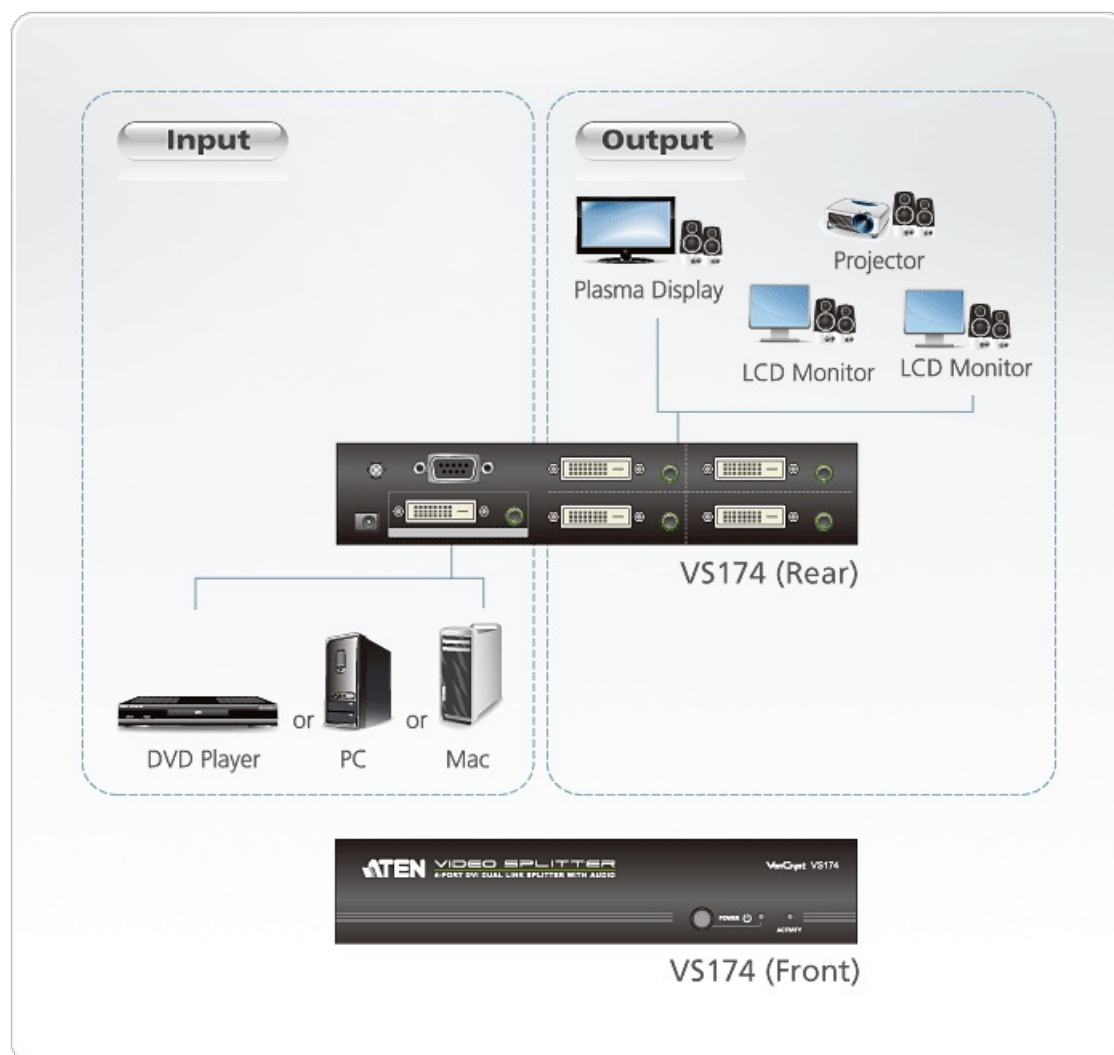
\*\* HDCP is not supported

## Specification

|                   |                                                                                                                                                                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Input       |                                                                                                                                                                                                                                                                                                              |
| Interfaces        | 1 x DVI-D Female (White)                                                                                                                                                                                                                                                                                     |
| Impedance         | 100 $\Omega$                                                                                                                                                                                                                                                                                                 |
| Max. Distance     | 1.8 m                                                                                                                                                                                                                                                                                                        |
| Video Output      |                                                                                                                                                                                                                                                                                                              |
| Interfaces        | 4 x DVI-D Female (White)                                                                                                                                                                                                                                                                                     |
| Impedance         | 100 $\Omega$                                                                                                                                                                                                                                                                                                 |
| Video             |                                                                                                                                                                                                                                                                                                              |
| Max. Data Rate    | 13.5 Gbps (2.25 Gbps Per Lane)                                                                                                                                                                                                                                                                               |
| Max. Pixel Clock  | 225 MHz                                                                                                                                                                                                                                                                                                      |
| Max. Resolution   | Up to 2560 x 1600                                                                                                                                                                                                                                                                                            |
| Max. Distance     | Up to 5 m                                                                                                                                                                                                                                                                                                    |
| Audio             |                                                                                                                                                                                                                                                                                                              |
| Input             | 1 x Mini Stereo Jack Female (Green)                                                                                                                                                                                                                                                                          |
| Output            | 4 x Mini Stereo Jack Female (Green)                                                                                                                                                                                                                                                                          |
| Control           |                                                                                                                                                                                                                                                                                                              |
| RS-232            | Connector: 1 x DB-9 Female (Black)<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                                                                                                                                                                                                                                                                           |
| Connectors        |                                                                                                                                                                                                                                                                                                              |
| Power             | 1 x DC Jack                                                                                                                                                                                                                                                                                                  |
| Power Consumption | DC5.3V:5.91W:28BTU/h<br><br>Note:<br><ul style="list-style-type: none"> <li>● The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> <li>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li> </ul> |
| Environmental     |                                                                                                                                                                                                                                                                                                              |

|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature  | 0-50°C                                                                                                                          |
| Storage Temperature    | -20 - 60°C                                                                                                                      |
| Humidity               | 0 - 80% RH, Non-Condensing                                                                                                      |
| Physical Properties    |                                                                                                                                 |
| Housing                | Metal                                                                                                                           |
| Weight                 | 0.73 kg ( 1.61 lb )                                                                                                             |
| Dimensions (L x W x H) | 21.00 x 8.80 x 5.55 cm<br>(8.27 x 3.46 x 2.19 in.)                                                                              |
| Carton Lot             | 5 pcs                                                                                                                           |
| Note                   | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format. |

#### Diagram





Simply Better Connections

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