Simply Better Connections

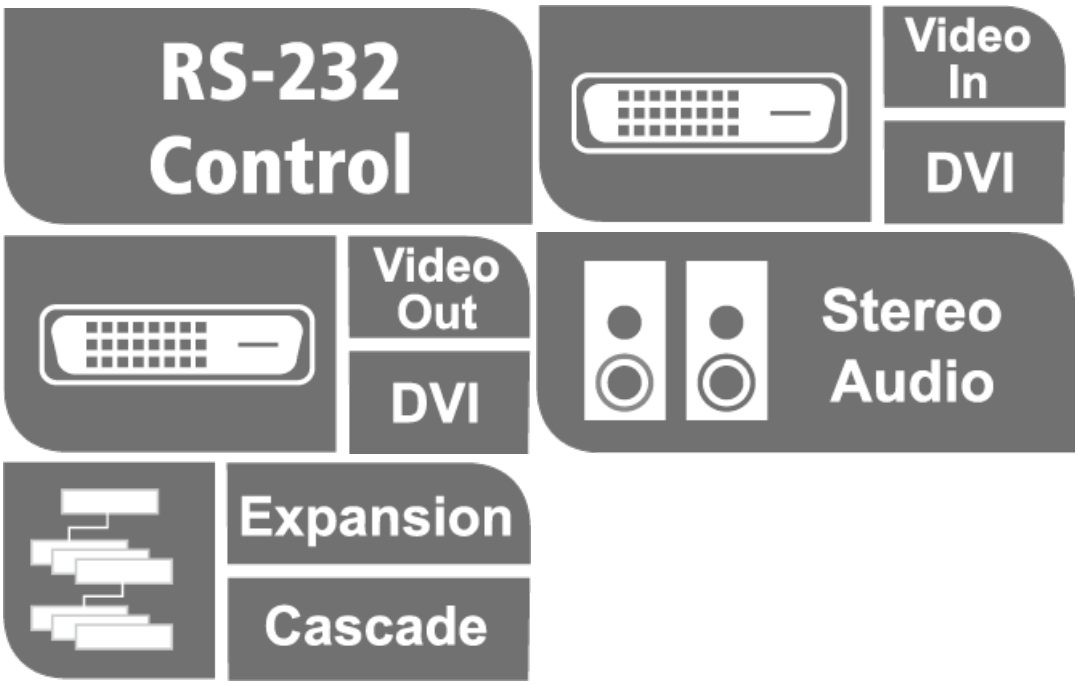
VS174

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

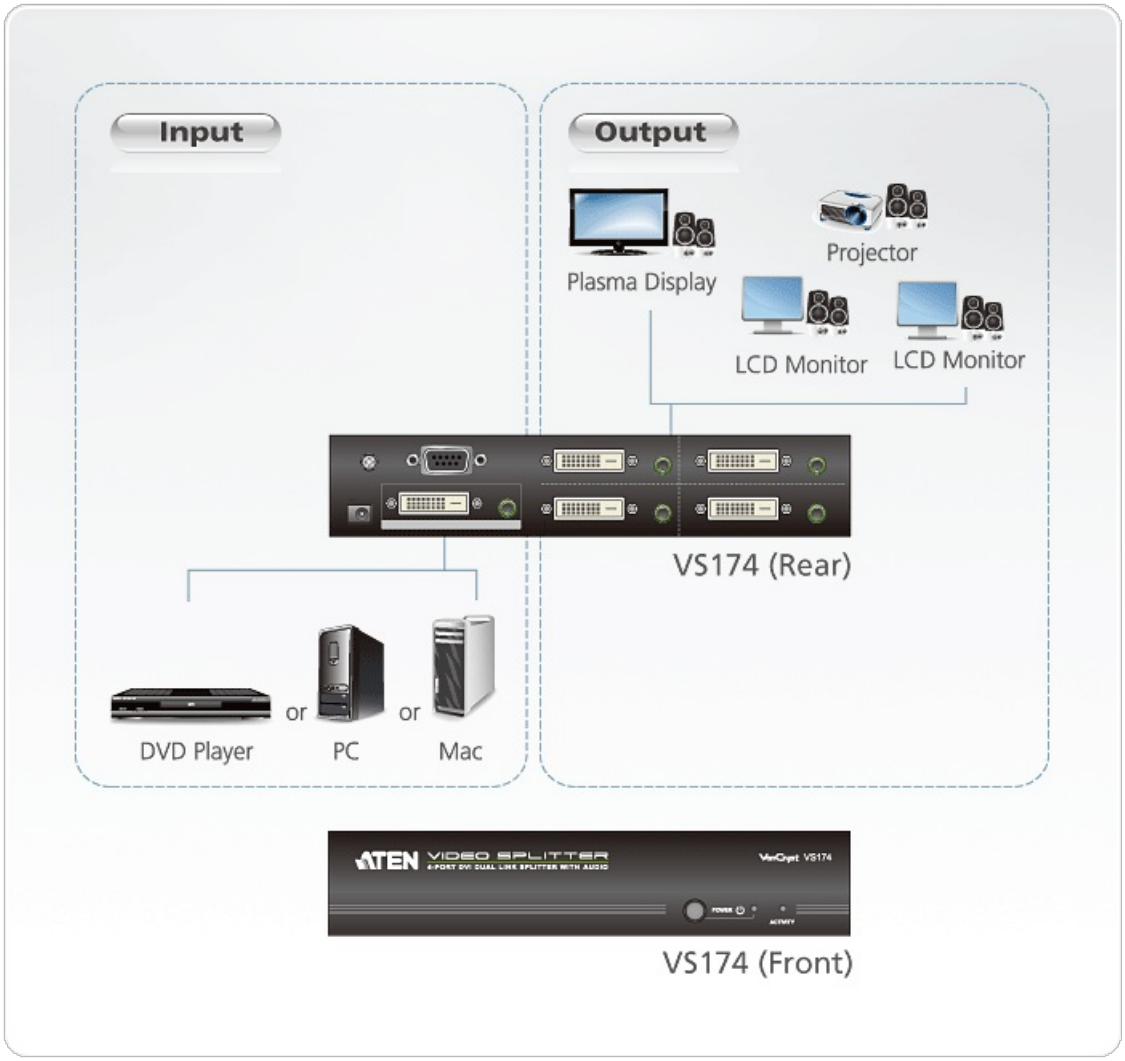
Note:
* The VS174 AP and GUI operation instructions can be downloaded from the ATEN website (www.aten.com)
** HDCP is not supported

Specifications

Video Input	
Interfaces	1 x DVI-D Female (White)
Impedance	100 Ω
Max. Distance	1.8 m
Video Output	
Interfaces	4 x DVI-D Female (White)
Impedance	100 Ω
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) 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
Connectors	
Power	1 x DC Jack
Power Consumption	DC5.3V:5.91W:28BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
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 (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



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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

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