VE829

5 x 2 HDMI Wireless Extender (1080p@30m)

The VE829 5x2 HDMI Wireless Extender is the first solution to send full uncompressed HD 1080p, while connecting up to 5 source devices and allowing users to switch and independently select any source to display on two HDTVs. Its wireless matrix feature is the biggest breakthrough in Audio / Video solutions to date. This means you can watch cable TV in one location (transmitter side) and, at the same time, independently select a Blu-ray movie to watch in another location (receiver side). The VE829 is capable of streaming Full HD 1080p with support for 3D content and digital audio up to 30m* away, within the home or any desired setup.

The solution consists of a Wireless Transmitter and a Wireless Receiver with connections for the HDMI and Component, along with a loop through (local port) for advanced two-HDTV setups. It also features USB HID connectivity for adding a computer / laptop to the installment, giving you wireless control from the VE829R. Infrared (IR) pass-through enables wireless control of your source devices and helps consolidate your HD A/V electronics, such as a DVDs / Blu-ray players, DVRs / Cable boxes, Game consoles and computers allowing you to design your own custom entertainment.

* Distance, quality and signal may vary depending on the environment; solid structures, such as steel, concrete and brick may result to shorter distance coverage or complete loss of signal.

Note: Connecting additional HDMI switches、 splitters、 or extenders can decrease the audio signal's strength and quality

Features

- Wireless transmission of full uncompressed HD videos up to 30m* for two HDTVs
- Allows you to switch and independently select any of 5 sources (4 x HDMI connectors, 1 x component connector) between 2 HDTVs
- Supports full uncompressed HD, 1080P, 3D content and 5.1 channel digital audio
- Superior video quality – 480P, 720P, 1080i, 1080P
- USB HID ports on Transmitter and Receiver units enable wireless keyboard connectivity to control attached computers/laptops
- Based on WHDI™ technology – Low latency < 1 ms
- HDMI (3D), HDCP compatible
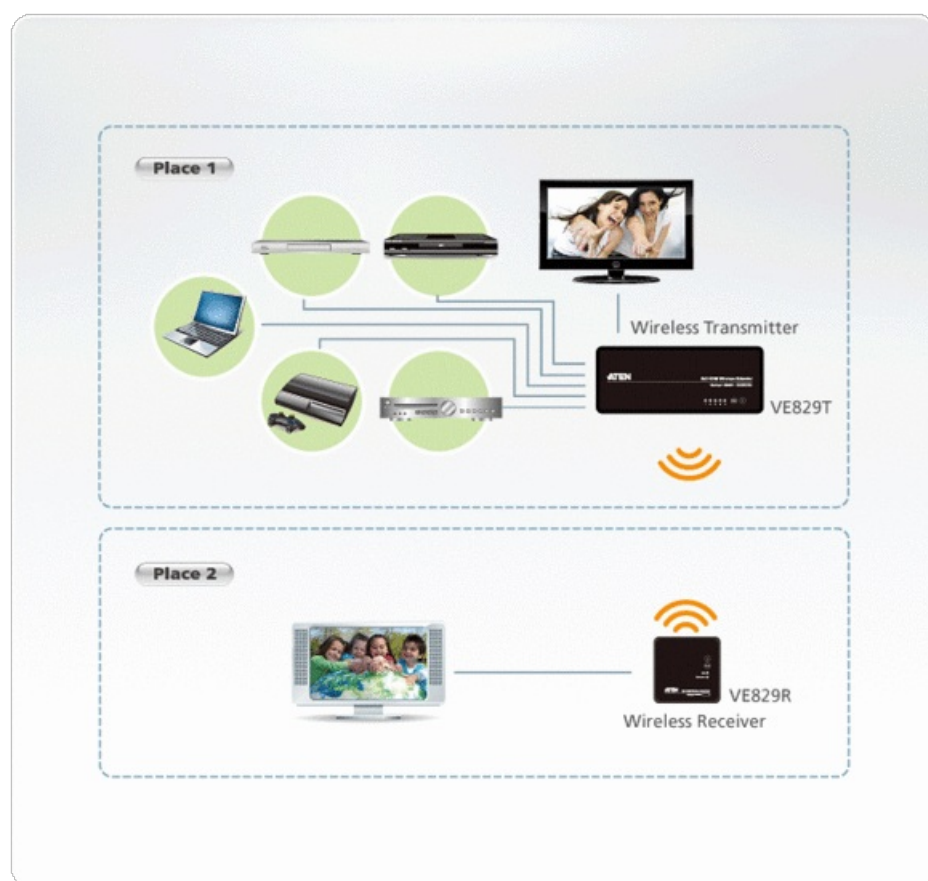- No software or driver installation needed

Specifications

Function	VE829R	VE829T
Video Input		

Interfaces	N/A	4 x HDMI Type A Female (Black) 1 x Component Video Female (Blue/Green/Red)
Impedance	N/A	100 Ω
Max. Distance	N/A	1.8 m
Video Output		
Interfaces	1 x HDMI Type A Female (Black)	1 x HDMI Type A Female (Black)
Impedance	100 Ω	100 Ω
Video		
Max. Data Rate	6.75 Gbps (2.25 Gbps Per Lane)	6.75 Gbps (2.25 Gbps Per Lane)
Max. Pixel Clock	225 MHz	225 MHz
Compliance	HDMI (3D) HDCP Compatible	HDMI (3D) HDCP Compatible
Max. Resolutions / Distance	Up to 1080p@30m (Line of Sight) *	Up to 1080p@30m (Line of Sight) *
Audio		
Input	N/A	4 x HDMI Type A Female (Black) 1 x Component Audio Female (Red/White)
Output	1 x HDMI Type A Female (Black)	1 x HDMI Type A Female (Black)
Control		
IR	1 x 2.5mm Jack Female (Black)	1 x 2.5mm Jack Female (Black)
Connectors		
Power	1 x DC Jack (Mini USB)	1 x DC Jack
Power Consumption	DC5V:6.7WBTU/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.	DC5V:9.5WBTU/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	0-40°C	0-40°C
Storage Temperature	-20 - 60°C	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing	0 - 80% RH, Non-Condensing
Physical Properties		

Housing	Plastic	Plastic
Weight	0.13 kg (0.29 lb)	0.28 kg (0.62 lb)
Dimensions (L x W x H)	9.50 x 9.50 x 3.55 cm (3.74 x 3.74 x 1.4 in.)	23.40 x 9.65 x 3.25 cm (9.21 x 3.8 x 1.28 in.)
Carton Lot	5 pcs	5 pcs
Note	* Distance may vary depending on the actual environment; solid objects such as steel, concrete or brick may cause interference and shorten the transmission distances.	* Distance may vary depending on the actual environment; solid objects such as steel, concrete or brick may cause interference and shorten the transmission distances.
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	

Diagram