

# AVA-HDMI14/AP4

## 1:4 HDMI 1.4 DISTRIBUTION AMPLIFIER



### DESCRIPTION

The AVA-HDMI14/AP4 HDMI Distribution Amplifier provides the most cost effective and simple HDMI splitter solution in the market, Full HD Video and Audio can now be split and distributed to 4 different display with lossless quality. These DA also support Full HD 3D formats of HDMI 1.4A as well as resolution from 2560x1600 to 4096 x 2160 @ 60Hz.

With the upmost 30/36 bit deep color video and high definition audio support, these DA is suitable for high quality HDMI 1.4 broadcasting, digital signage and showroom applications.

\*Note: However there is no support ACR and Ethernet.

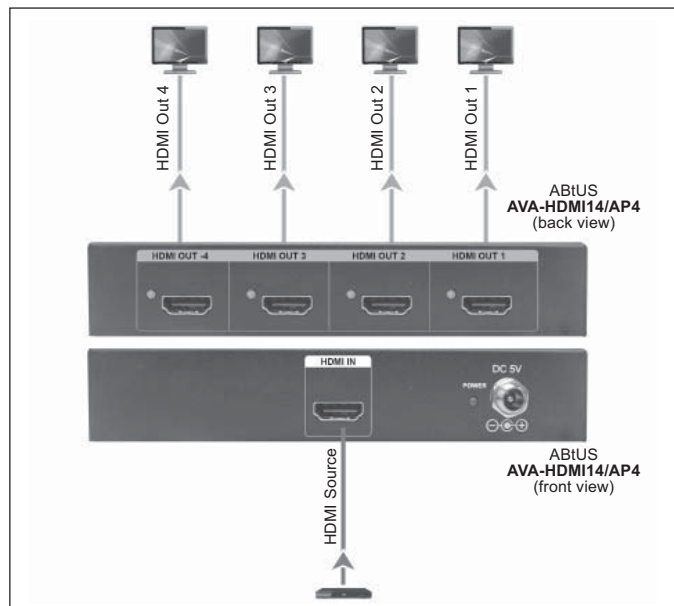
### FEATURES

- Support Full HD 3D (1080p)
- HDMI Version 1.4A
- Support single link resolution from 2560 x 1600 to 4096 x 2160 @ 60Hz
- Support automatic EDID

### TECHNICAL SPECIFICATION

<b>INPUT:</b>	1 x HDMI [*Type A 19pin female]
<b>OUTPUT:</b>	4 x HDMI [*Type A 19pin female]
<b>HDMI COMPLIANCE:</b>	1080p 60Hz version 1.4
<b>DVI COMPLIANCE:</b>	DVI 1.1
<b>HDCP COMPLIANCE:</b>	Yes
<b>VIDEO BANDWIDTH:</b>	Single-link 225MHz [9 Gbps]
<b>VIDEO SUPPORT:</b>	2560 x 1600 to 4096 x 2160, Full HD 3D & 1080p @60Hz 36-bit color
<b>AUDIO SUPPORT:</b>	Surround Sound (up to 7.1 ch) or Stereo digital Audio
<b>AUDIO RETURN CHANNEL:</b>	No
<b>ETHERNET CHANNEL:</b>	No
<b>TRANSMITTER RANGE:</b>	Full HD (1080p) up to 15m [* AWG 24 HDMI cable]
<b>INPUT TMDS SIGNAL:</b>	1.3 Volts [peak-to-peak]
<b>INPUT DDC SIGNAL:</b>	5 Volts [peak-to-peak, TTL]
<b>ESD PROTECTION:</b>	[1] Human body model - ±15kV [air-gap discharge] & ±15kV [contact discharge] [2] Core chipset - ±15Kv
<b>PCB STACK-UP:</b>	6-layer board impedance control-different 100ohm; Single 50ohm
<b>POWER SUPPLY:</b>	5V DC 1.2
<b>OPERATION TEMPERATURE:</b>	0~40°C [32~104°F]
<b>STORAGE TEMPERATURE:</b>	-20~60°C [-4~140°F]
<b>RELATIVE HUMIDITY:</b>	20~90% RH [no condensation]
<b>HOUSING:</b>	Metal
<b>DIMENSION:</b>	150 x 80 x 30 mm
<b>WEIGHT:</b>	280 g

\* Specifications are subject to change without notice.



### TYPICAL APPLICATIONS

Rental and Staging, Live Broadcast and Education application