

# AVA-HDMI14A-G

## 1X4 HDMI 1.3 DISTRIBUTION AMPLIFIER WITH CEC CONTROL



### DESCRIPTION

The AVA-HDMI14A-G is a 1x4 HDMI 1.3 Distribution Amplifier with CEC Control provides the most cost effective and advanced HDMI 1.3 splitter solution on the market, by which the high definition video and high quality audio can be transmitted to 4 different locations without losing quality. With built-in USB firmware update mechanism, the compatibility among countless HDMI sources and receivers can be further guaranteed. With 12 bit deep color video and high definition audio support, AVA-HDMI14A-G is suitable for high quality A/V broadcasting, digital signage and education applications! Furthermore, the embedded separate CEC paths provide independent CEC communication channels between CEC capable source and all the individual receivers.

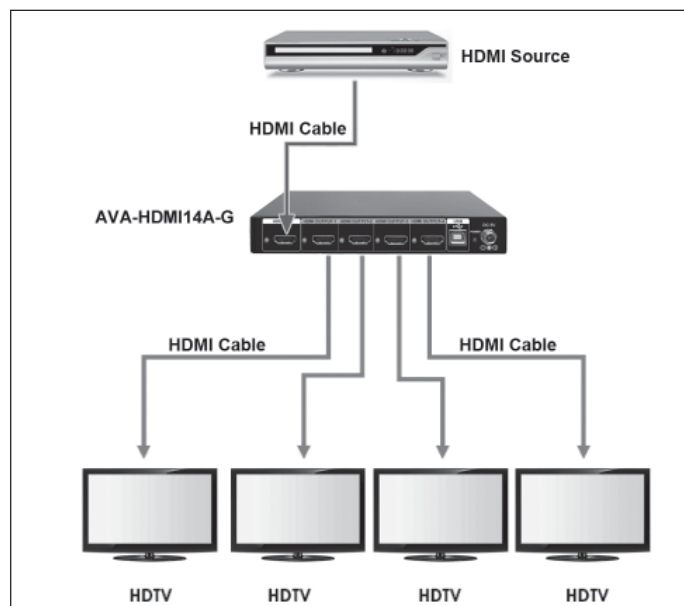
### FEATURES

- HDMI 1.3c and DVI 1.0 compliant
- HDCP compliant
- Wide Frequency Range: 25MHz~225MHz
- Video bandwidth: 6.75 GBPS
- Supports conversion of HDMI signaling to DVI
- Resolution up to 1080p or WUXGA
- Automatic EDID learning
- Supports xvYCC
- Supports CEC (not bypassing)
- USB firmware update for expanding compatibility
- Supports Dolby Digital, DTS-HD and Dolby True HD audio
- Easy installation

### TECHNICAL SPECIFICATION

<b>HDMI COMPLIANCE:</b>	HDMI 1.3c [Deep Color, xvYCC color space supported]
<b>DVI COMPLIANCE:</b>	DVI 1.1
<b>HDCP COMPLIANCE:</b>	YES
<b>VIDEO BANDWIDTH:</b>	Single-link 225MHz [6.75 Gbps]
<b>VIDEO SUPPORT:</b>	Up to WUXGA [1920x1200@60Hz] & UXGA [1600x1200@60Hz]
<b>AUDIO SUPPORT:</b>	DTS-HD Master Audio, Dolby TrueHD Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM
<b>ESD PROTECTION:</b>	[1] Human body model - $\pm 15kV$ [air-gap discharge] & $\pm 8kV$ [contact discharge] [2] Core chipset - $\pm 2kV$
<b>PCB STACK-UP:</b>	4-layer board [impedance control-different 100 $\Omega$ ; Single 50 $\Omega$ ]
<b>USB FIRMWARE UP DATABLE:</b>	YES
<b>CEC CHANNEL:</b>	YES
<b>INPUT TMDS SIGNAL:</b>	1.2 Volts [peak-to-peak]
<b>INPUT DDC SIGNAL:</b>	5 Volts [peak-to-peak, TTL]
<b>INPUT:</b>	1 x HDMI [with 7.1ch audio]
<b>OUTPUT:</b>	4 x HDMI [with 7.1ch audio]
<b>HDMI CONNECTOR:</b>	Type A [19-pin female]
<b>HOUSING:</b>	Metal
<b>DIMENSION:</b>	175 x 94 x 27 mm [6.9" x 3.7" x 1"]
<b>WEIGHT:</b>	445g [1.0 lbs]
<b>POWER SUPPLY:</b>	Inter-lock 5V 2A DC
<b>POWER CONSUMPTION:</b>	4 Watts [max]
<b>OPERATION TEMPERATURE:</b>	0~40°C [32~104°F]
<b>STORAGE TEMPERATURE:</b>	-20~60°C [-4~104°F]
<b>RELATIVE HUMIDITY:</b>	20~90% RH [no condensation]

\* Specifications are subject to change without notice.



### TYPICAL APPLICATIONS

Rental and Staging, Live Broadcast and Education application