AVA-HDMI12/AP4
1:2 HDMI 1.4 DISTRIBUTION AMPLIFIER

DESCRIPTION

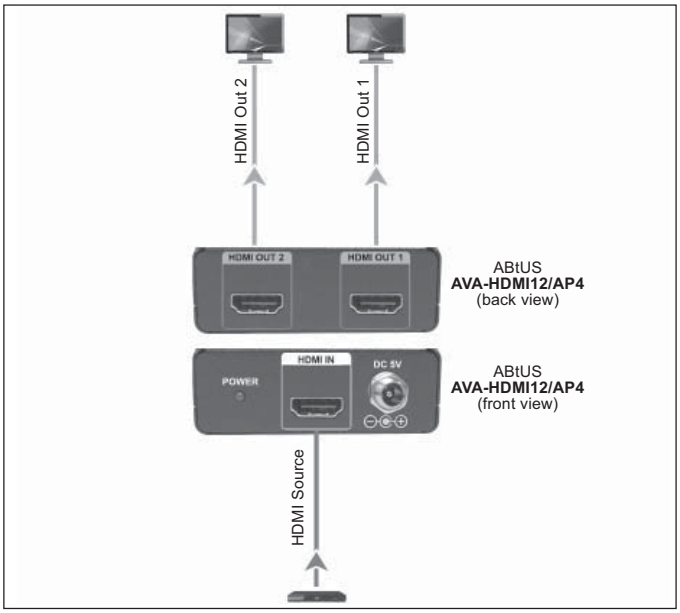
The AVA-HDMI12/AP4 HDMI Distribution Amplifier provides the most cost effective and simple HDMI splitter solution in the market, Full HD Video and Audio can now be split and distributed to 2 different display with lossless quality. These DA also support Full HD 3D formats of HDMI 1.4A as well as resolution from 2560x1600 to 4096 x 2160 @ 60Hz.

With the upmost 30/36 bit deep color video and high defination 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

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



TYPICAL APPLICATIONS

Rental and Staging, Live Broadcast and Education application

TECHNICAL SPECIFICATION

INPUT:	1 x HDMI (*Type A 19pin female)
OUTPUT:	2 x HDMI (*Type A 19pin female)
HDMI COMPLIANCE:	1080p 60Hz version 1.4
DVI COMPLIANCE:	DVI 1.1
HDCP COMPLIANCE:	Yes
VIDEO BANDWIDTH:	Single-link 225MHz (9 Gbps)
VIDEO SUPPORT:	2560 x 1600 to 4096 x 2160, Full HD 3D & 1080p @60Hz 36-bit color
AUDIO SUPPORT:	Surround Sound (up to 7.1ch) or Stereo digital Audio
AUDIO RETURN CHANNEL:	No
ETHERNET CHANNEL:	No
TRANSMITTER RANGE:	Full HD (1080p) up to 15m (*AWG 24 HDMI cable)
INPUT TMDS SIGNAL:	1.3 Volts (peak-to-peak)
INPUT DDC SIGNAL:	5 Volts (peak-to-peak, TTL)
ESD PROTECTION:	(1) Human body model - ±15kV (air-gap discharge) & ±15kV) (contact discharge) (2) Core chipset - ±15Kv
PCB STACK-UP:	6-layer board impedance control-different 100ohm; Single 50ohm
POWER SUPPLY:	5V DC 1.2
OPERATION TEMPERATURE:	0~40°C (32~104°F)
STORAGE TEMPERATURE:	-20~60°C (-4~140°F)
RELATIVE HUMIDITY:	20~90% RH (no condensation)
HOUSING:	Metal
DIMENSION:	112 x 70 x 25 mm
WEIGHT:	220 g

* Specifications are subject to change without notice.