

SPECIFICATIONS

Technical	AVA-HDMI12/AP4	AVA-HDMI14/AP4
Input	1 x HDMI (*Type A 19 pin female)	1 x HDMI (*Type A 19 pin female)
Output	2 x HDMI (*Type A 19 pin female)	4 x HDMI (*Type A 19 pin female)
Control port	-	-
HDMI Compliance	1080p 60Hz version 1.4A	
DVI Compliance	DVI 1.1	
HDCP Compliance	YES	
Video Bandwidth	Single-link 225 MHz (9Gbps)	
Video Support	2560x1600 to 4096x2160, 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 DCC Signal	5 Volts (peak to peak, TTL)	
ESD Protection	[1] Human body model $\pm 15kV$ [air-gap discharge] & $\pm 15kV$ [contact discharge] [2] Core chipset $\pm 15kV$	
PCB Stack-up	6-layer board impedance Control – differential 100ohm: single 50ohm	
Power Supply	5 VDC 1.2 A	
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	

MECHANICAL

Housing	Metal Enclosure	
Product	112 x 70 x 25 mm	150 x 80 x 30 mm
Net Weight	220 g	280 g

PACKAGE INCLUDE

- 1 x Main unit
- 1 x 5V AC-DC Power adaptor
- 1 x User Manual

* Specifications are subject to changes without notice.

HDMI Distribution Amplifier

1-in 2-out & 1-in 4-out HDMI DA (*Version 1.4)



Model: **AVA-HDMI12/AP4 & AVA-HDMI14/AP4**

PRODUCT DESCRIPTION

The **AVA-HDMI12/AP4** and **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 2 or 4 (base on model) different displays with lossless quality. These DA also support all Full HD 3D formats of HMDI 1.4A as well as resolution from 2560 x 1600 to 4096 x 2160 @ 60 Hz.

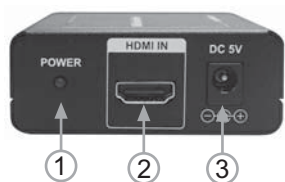
With the upmost 30/36 bit deep color video and high definition audio support, these DA is suitable for high quality HDMI 1.4 broadcasting, digital signage and showroom applications.

*Note: However there is no support in ARC and Ethernet.

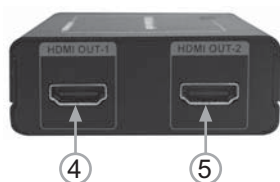
PRODUCT HIGHLIGHTS

- Support Full HD 3D (1080P)
- Support Automatic EDID
- HDMI Version 1.4A
- Maximum Cable Length
Input: 5m using 28AWG cable at 1080p
Output: 20m using 28AWG cable at 1080p
- Support Single Link Resolution from 2560 x 1600 to 4096 x 2160 @ 60 Hz

1. Panel View (AVA-HDMI12/AP4)



Front Panel View

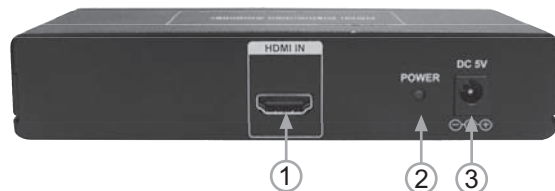


Back Panel View

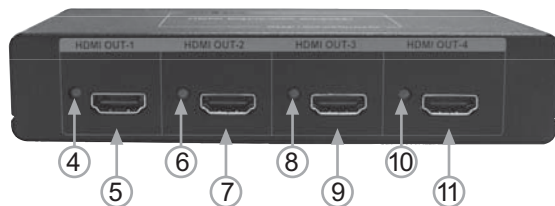
Item	Description
1.	LED Power Indicator
2.	HDMI Input
3.	DC 5V Input
4.	HDMI Output-1
5.	HDMI Output-2

2. Panel View (AVA-HDMI14/AP4)

Front Panel View

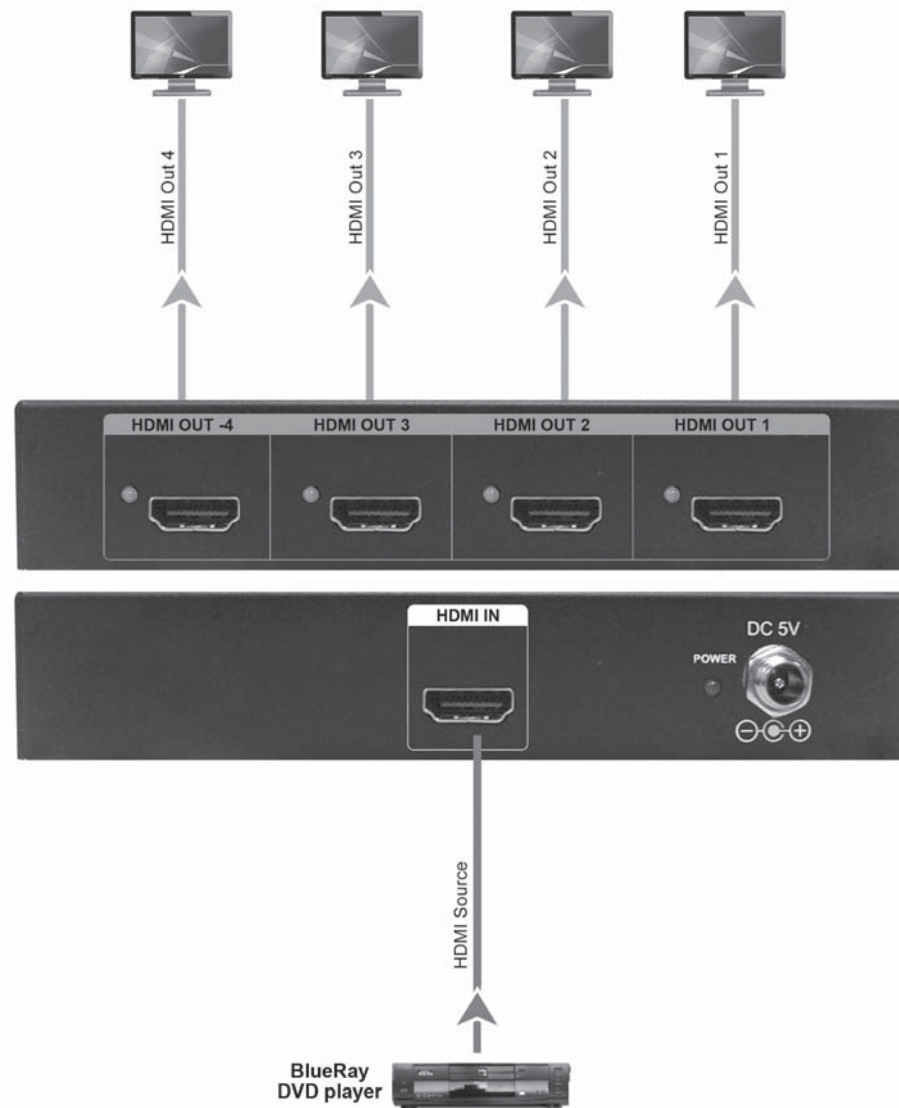


Back Panel View



Item	Description
1.	HDMI Input
2.	LED - Power Indicator
3.	DC 5V Input
4.	HDMI Output-1 LED - Link Indicator
5.	HDMI Output-1
6.	HDMI Output-2 LED - Link Indicator
7.	HDMI Output-2
8.	HDMI Output-3 LED - Link Indicator
9.	HDMI Output-3
10.	HDMI Output-4 LED - Link Indicator
11.	HDMI Output-4

SYSTEM DIAGRAM



** For detail and updated Command and program software, please visit and download from www.abtussingapore.com