

SPECIFICATIONS

| | | |
|--------------------------------|--|--|
| HDMI compliance | HDMI 1.3c [Deep Color, xvYCC color space supported] | |
| DVI compliance | DVI 1.1 | |
| HDCP compliance | Yes | |
| Video bandwidth | Single-link 225MHz [6.75Gbps] | |
| Video support | Up to WUXGA [1920x1200@60Hz] & UXGA [1600x1200@60Hz] | |
| Audio support | DTS-HD Master Audio, Dolby TrueHD Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM | |
| ESD protection | [1] Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge] [2] Core chipset — ±2kV | |
| PCB stack-up | 4-layer board [impedance control — differential 100Ω; Single 50Ω] | |
| USB firmware up datable | YES | |
| CEC Channel | Independent | |
| Input TMDS signal | 1.2 Volts [peak-to-peak] | |
| Input DDC signal | 5 Volts [peak-to-peak, TTL] | |
| | AVA-HDMI 12A-G | AVA-HDMI 14A-G |
| Input | 1x HDMI [with 7.1ch audio] | 1x HDMI [with 7.1ch audio] |
| Output | 2x HDMI [with 7.1ch audio] | 4x HDMI [with 7.1ch audio] |
| HDMI connector | Type A [19-pin female] | |
| Mechanical | | |
| Housing | Metal Model: 135 x 94 x 27mm [5.3" x 3.7" x 1"] | Model: 175 x 94 x 27mm [6.9" x 3.7" x 1"] |
| Dimensions (L x W x H) | Package: 265 x 180 x 80mm [10.4" x 7.1" x 3.1"] | Package: 265 x 180 x 80mm [10.4" x 7.1" x 3.1"] |
| Weight | 355g [0.8 lbs] / Package: 640g [1.4 lbs] | 445g [1.0 lbs] / Package: 760g [1.7 lbs] |
| Fixedness | Wall-mounting case | |
| Power supply | Inter-lock 5V 2A DC | |
| Power consumption | 4 Watts [max] | |
| Operation temperature | 0~40°C [32~104°F] | |
| Storage temperature | -20~60°C [-4~140°F] | |
| Relative humidity | 20~90% RH [no condensation] | |

** For detail and updated RS-232 Command protocol for programming, please visit and download from www.abtussingapore.com

HDMI 1.3 Distribution Amplifier with CEC Control



➤ AVA-HDMI14A-G

1x4 HDMI 1.3 Distribution Amplifier with CEC Control

➤ AVA-HDMI12A-G

1x2 HDMI 1.3 Distribution Amplifier with CEC Control

PRODUCT 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.

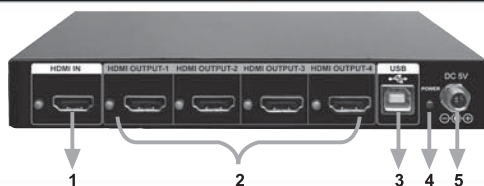
PRODUCT HIGHLIGHTS

- HDMI 1.3c and DVI 1.0 compliant
- HDCP 1.2 compliant
- Wide Frequency Range: 25MHz~225MHz
- Video bandwidth: 6.75GBPS
- 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

REAR PANEL VIEW

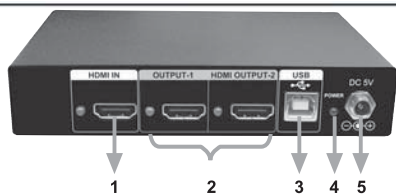
AVA-HDMI14A-G

1. **HDMI IN:** HDMI input source
2. **HDMI OUT:** distributed HDMI outputs
3. **USB IN:** for firmware update use only
4. **Power:** Red light means power is on
5. **+5V DC interlocking power jack:** connect to 5V 2A interlocking power supply unit



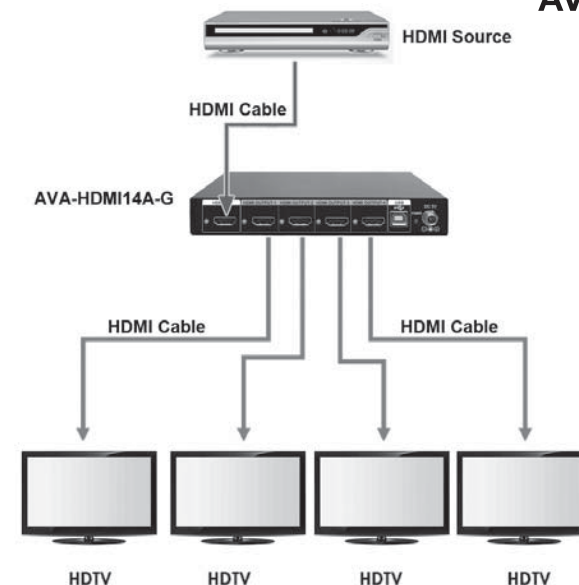
AVA-HDMI12A-G

1. **HDMI IN:** HDMI input source
2. **HDMI OUT:** Distributed HDMI outputs
3. **USB IN:** For firmware update use only
4. **Power Indicator:** When power on, the LED will blink.
5. **DC IN:** 5V 2A



TYPICAL APPLICATION

AVA-HDMI14A-G



AVA-HDMI12A-G

