

## AVS-HDMI21/AP4 2:1 HDMI Switcher (\*V1.4)



The ABtUS **AVS-HDMI21/AP4** HDMI Switcher provides the most cost effective and simple HDMI switching solution in the market. Full HD Video and Audio can now be switched from 2 different display with lossless quality. The switcher also support all Full HD 3D formats of HDMI 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 defi nation audio support, this switcher is suitbale for high quality HDMI 1.4 broadcasting, digital signage and showroom applications.

### Features

- Full HD 1080p
- HDMI Version 1.4A, support Full 1080p 3D
- Support single link resolution from 2560 x 1600 to 4096 x 2160 @ 60Hz
- Support 30/36 bit deep color

### Technical specification

|                               |   |
|-------------------------------|---|
| <b>Input:</b>                 | 2 x HDMI (*Type A 19pin female)   |
| <b>Output:</b>                | 1 x HDMI (*Type A 19pin female)   |
| <b>Control port:</b>          | RS-232  |
| <b>HDMI compliance:</b>       | 1080p 60Hz version 1.4A   |
| <b>HDCP compliance:</b>       | Yes   |
| <b>Video bandwidth:</b>       | Single-link 225 MHz (9Gbps)   |
| <b>Video support:</b>         | 2560x1600 to 4096x2160, Full HD 3D & 1080p@60Hz 36-bit color  |
| <b>Audio support:</b>         | Surround Sound (up to 7.1ch) or Stereo Digital Audio  |
| <b>Audio return channel:</b>  | No  |
| <b>Transmitter range:</b>     | No  |
| <b>Input DCC signal:</b>      | Full HD (1080p) up to 15m (*AWG 24 HDMI cable)  |
| <b>ESD protection:</b>        | 5 Volts (peak to peak, TTL)   |
| <b>PCD stack-up:</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 1.2A  |
| <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 Enclosure   |
| <b>Gross dimension:</b>       | 260 x 180 x 80 mm   |
| <b>Gross weight:</b>          | 650 g   |

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### Typical applications

The ABtUS AVS-HDMI21/AP4 is part of the ABtUS series of high quality, high bandwidth and cost effective Distribution Amplifiers designed specially for professional installers. ABtUS products can be found in industrial, commercial retail and home applications like:

- Production Studios • Rental and Staging • Home Theatres • Live Broadcast or Presentation Applications

### Diagram

