

# HA8-4 • HA2-3 Distribution Amplifier

**1080p HDMI 3D READY**

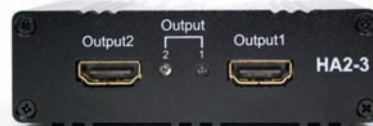
1 in 2 out & 1 in 8 out HDMI™ (Deep Color) Distribution Amplifiers that delivers advanced features such as 1080p Deep Color, HD lossless audio and x.v.Color expanded color gamut to high definition A/V Receivers.

## KEY FEATURES

- 3D over HDMI
- Supports up to 36-bit color depth at 1080p/60Hz and x.v.Color that allows for the display of 1.8 times the color range of present industry standards
- Supports video resolutions up to 1080p @ 60Hz or 720p/1080i @ 120Hz with 36-bit color depth
- Flexible digital video interface
- Integrated x.v.Color and RGB color space converter for both RGB-to-YCbCr and YCbCr-to-RGB (both 601 and 709) with true 12-bit accuracy using 14-bit processing
- 3D ready
- Distribution: 1 input, 2 asynchronous HDMI outputs
- Output auto switching function, no buttons or switches
- 8dB driver pre-emphasis to compensate for PCB losses
- Each port supports HDMI or DVI inputs



HA8-4



HA2-3

## SPECIFICATIONS

	HA8-4
<b>3D over HDMI:</b>	1080p@ 24Hz, 1080i @ 50/60 Hz, 720p @ 50/60 Hz
<b>Flexible digital video interface:</b>	24/30/36-bit RGB/YCbCr 4:4:4 16/20/24-bit YCbCr 4:2:2 8/10/12-bit YCbCr 4:2:2 (ITU-R BT.656)
<b>Indicators:</b>	13 LED, PWR/Resolution/Activity
<b>Signal Type:</b>	HDMI V1.4 compliant
<b>HDMI Transmitter:</b>	300MHz
<b>Output:</b>	8 HDMI, 8 Female HDMI (A-Type)
<b>Input:</b>	1 Female HDMI (A-Type)
<b>Deep Color Housing:</b>	24/30/36
<b>Compliance:</b>	Metal
<b>Weight:</b>	HDMI, DVI 1.0, EIA/CEA-861E, HDCP
<b>Power:</b>	INPUT AC 100-240V OUTPUT DC 5V, 4A
<b>Dimensions:</b>	3.5 lbs, 15" X 15" X 6.8"
<b>Accessories:</b>	Power supply DC 5V 4A 1 - Cable 10 m (Max.) 1 - User manual 1 - Package box

	HA2-3
	<ul style="list-style-type: none"> <li>• Compliant with the specifications of HDMI™ 1.3b and DVI 1.0</li> <li>• HDCP 1.2 compliant</li> <li>• DVI specification 1.0 compliant</li> <li>• Wide frequency range: 25MHz-225MHz.</li> <li>• Video bandwidth 6.75 Gbps</li> <li>• Supports conversion of HDMI™ signaling to DVI</li> <li>• Automatic EDID Learning</li> <li>• Supports xvYCC</li> <li>• Maximum single link range: WUXGA, 1080P</li> <li>• Output video: up to HDMI™ 1.3b+ HDCP 1.2</li> <li>• Input video signal: 0.5 -1.0 volts p-p</li> <li>• Input DDC signal: 5 volts p-p (TTL)</li> <li>• Signaling rates: up to 2.25 Gbps</li> <li>• Output audio: support Dolby/DTS-HD, 7.1</li> <li>• Operating temp. range: -41 to +95°F (-5 to +35°C)</li> <li>• Operating humidity range: 5-90 % RH (no condensation)</li> <li>• Power Consumption: 250 mWatts (max.)</li> <li>• Dimensions : 2.7"W x 3.5"H x 1.1"D (68mmW x 88mmH x 28mmD)</li> <li>• Max. cable distance at output to TV = 33 ft (10m) for 1080p quality (color deep 12 Bits)</li> <li>• Max. cable distance source to input = 6 ft. (1.8 m)</li> <li>• Support high resolution display: UXGA, 480i, 480p, 720p, 1080i, 1080p with deep color up to 12 Bits</li> <li>• For better performance, turn on amplifier after all HDMI™ cables are connected; and after amplifier is on, turn on source and TVs</li> <li>• HDMI™ input and output connectors: A-type female.</li> <li>• Housing: metal</li> <li>• Weight: 8.8 oz. (250g)</li> </ul>