

What's in the Box?

PART NO.	QTY	DESCRIPTION
HSA-100	1	HDMI to HDMI and Stereo Audio/SPDIF Converter
PS5VDC2A	1	5 Volt 2 Amp Power Supply

Technical Specifications

HDMI VIDEO	
Format	HDMI 1.3b [Deep Color, xvYcc color space supported]
DVI Compliance	Single-link DVI-D 1.1
HDCP Compliance	1.0/1.1
Video Bandwidth	Single-link 340MHz [10.2Gbps]
Resolution	480i,480p,720i,720p,1080i
Input Interface	(1) HDMI[7.1ch audio & video]
Output Interface	(1) HDMI[7.1ch audio & video]
Connector	Type A[19-pin female]
Maximum Distance	25 ft.
SPDIF DIGITAL AUDIO OUTPUT	
Signal Type	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
Sampling Rate	32, 44.1, 48 and 96 KHz
Input Interface	(1) TOSLink Optical (1) COAX (RCA)
ANALOG AUDIO OUTPUT	
Frequency Response	20 Hz to 20 KHz
Impedance	600 ohm
Nominal Level	0-1.0 V
Common Mode	Rejection at 60dB
Output Interface	Right/Left RCA (Female), 3.5mm Stereo (Female)
OTHER	
Power	External 100-240 VAC/5VDC2A @10W
Dimensions	3.375 in W x 0.875 in H x 2.5 in D
Weight	0.83 lb
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

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Rack Mountable Option



Our SmartRack is the perfect solution to allow virtually all SmartAVI devices to be custom mounted in a standard 19" server rack. The SmartRack is fully adjustable and can secure/organize several devices.

Smart-AVI
SMART AUDIO VIDEO INNOVATION

V2V FAMILY

Installation Manual

HSA-100



HDMI to HDMI with Audio/SPDIF Converter



Smart-AVI
SMART AUDIO VIDEO INNOVATION

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Introduction

An HDMI cable carries the video and the audio in one signal. However, many TVs and displays have poor quality sound or no sound at all. With the HSA-100 HDMI Separator you can separate your audio signal from the HDMI and send it to external speakers, an audio receiver without digital inputs, or amplifier without digital inputs etc. The HDMI Separator supports optical or analog L/R audio in all digital audio formats including 5.1/7.1 Surround.

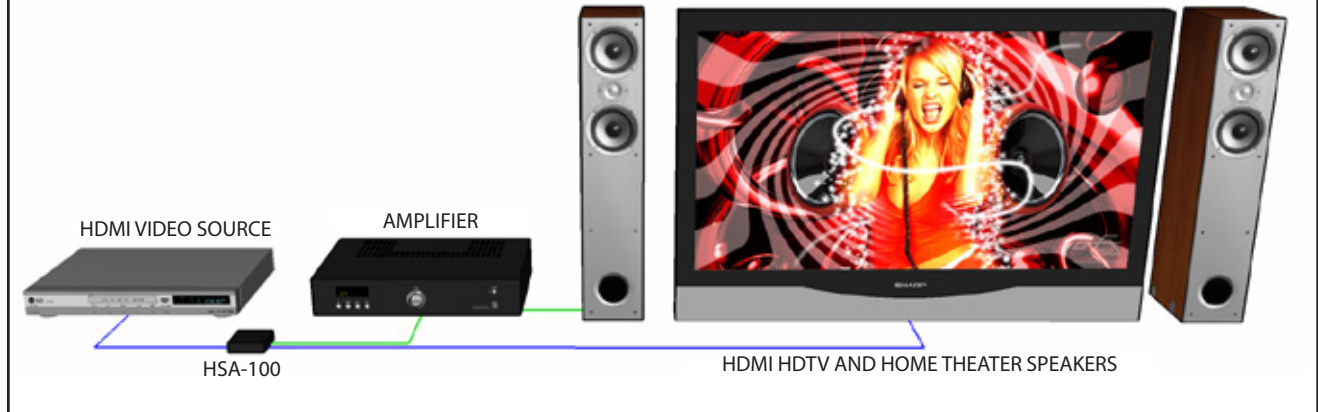
Features

- Compliant with HDMI 1.3, HDCP 1.1 and DVI 1.1
- Supports HDMI Sample Rates up to 192 kHz
- Supports Optical Sample Rate up to 48 kHz
- Supports TMDS clock frequency rate 225MHz
- Supports high-bit-rate (HBR) audio
- HDMI cable distance testing showed that with 1080p 8bit resolution, the input & output can run up to 15 meters
- Low power consumption

Applications

- Security
- PC Networking
- Conference Center Systems
- Point of Sale
- Camera Surveillance
- Video Phone
- Control Room Systems
- Recording Studio

Product - Installation Diagram



Installation

1. Connect an HDMI input device to the HDMI IN connector on the HSA-100.
2. Connect a digital audio output device (SPDIF) or the stereo audio RCA outputs.
3. Connect an HDMI display device to the HDMI OUT connector on the HSA-100.
4. Connect the power cord to the HSA-100.
5. Power on the input devices, speakers and the display.

HSA-100 Front



HSA-100 Rear

