

HDMI Separator

HDMI FAMILY

HDMI
TO
HDMI+AUDIO/
SPDIF



FULL HD 1080p
with Deep Color
and
HD Audio

HDMI to HDMI with Audio/SPDIF Converter

Separate audio signals from your HDMI source into Stereo Audio/SPDIF at 1080p with Deep Color

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 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

Touchboards

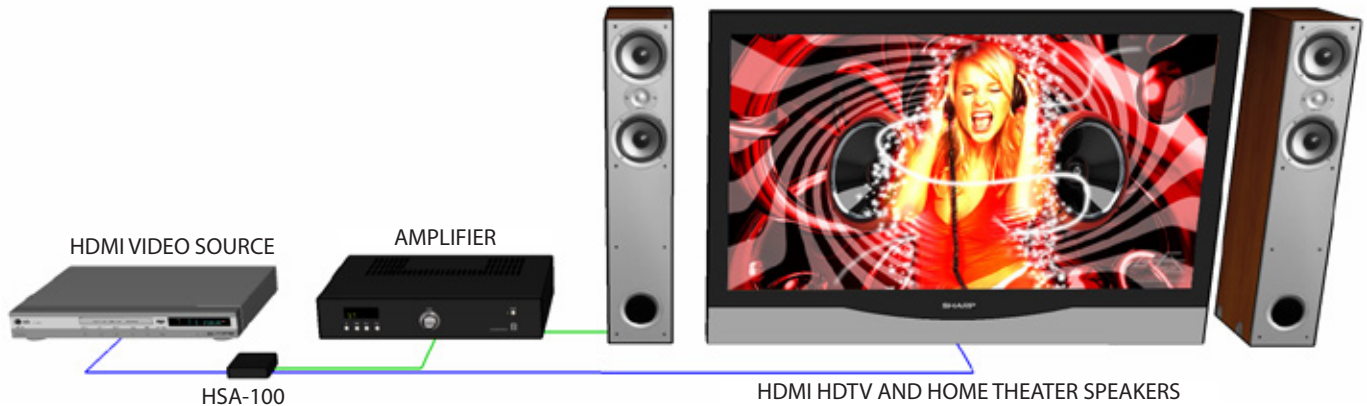
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Smart-AVI
SMART AUDIO VIDEO INNOVATION

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SPECIFICATIONS

APPLICATION DIAGRAM



HDMI VIDEO INPUT

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, 1080p
Input Interface	(1) HDMI[7.1ch audio & video]
Connector	Type A[19-pin female]
Maximum Distance	25 ft.

HDMI VIDEO OUTPUT

Format	HDMI 1.3b [Deep Color, xvYcc color space supported]
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RCA 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

S/PDIF AUDIO OUTPUT

Output Level	0.5 to 0.6 V peak to peak
Min Input level	600 ohm
Nominal Level	0.2 V
Maximum Distance	30 ft.
Output Interface	TOSLINK 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 lbs
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

ORDERING INFORMATION

Part No.	Description
HSA-100S	HDMI to HDMI and Stereo Audio/SPDIF Converter. Includes: [HSA-100, (PS5VDC2A)]

Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations. Clients of SmartAVI include:



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