

HDMI to HDMI + Audio (SPDIF+L&R)

20140225

Introduction

Thank you for purchasing this HDMI to HDMI + Audio (SPDIF+L&R) Audio decoder. It connects HDMI signal with a single HDMI display (such as TV, projector) and independently output stereo Audio + SPDIF to realize the audio of HDMI synchronization separation, let customers use at ease. The products are widely used in the fields that have limits in noise transfer distance and safety, Data center control, Information distribution conference room presentations and school, training room.

Feature

- One HDMI input to HDMI + Audio(SPDIF+R/L) output
- Support audio output: SPDIF + analog R/L
- Support input up to 1080P(50/60Hz)
- Synchronization separation Audio output, three audio modes available: PASS, 2.0CH, 5.1CH
- LED indicator, when the signal source or signal is on the related LED will be on
- No signal loss
- Easy installation
- Power: DC5V

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Package Contents

- HDMI Audio decoder
- Power adapter DC5V
- Manual

Interface



- DC5V: DC5V power input
- POWER: power indicator
- HDMI IN: HDMI input
- Toggle Switch: selection switch of audio output mode
- PASS: Direct HDMI mode, audio output from HDMI, no output for SPDIF and L/R
- 2.0CH: 2 channel stereo audio mode, all output stereo audio for HDMI, SPDIF and L/R
- 5.1CH: 5.1 channel mode, HDMI and SPDIF output 5.1 channel digit audio, no output for L/R



- HDMI OUT: HDMI output interface
- LINK: Output interface indicator
- SPDIF: SPDIF audio output interface
- L/R: analog channel (L/R) output interface

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Connection and Operation:

- 1.Connect HDMI device with input port of converter by HD cable
- 2.Connect HDMI display with HDMI output port of converter
- 3.Connect L/R of converter with speaker
- 4.Connect DC5V power adapter with converter

Diagram:



The latest testing result:

- 1、PASS: SPDIF output audio is concerned with the supported audio of connected HDMI output device, when the signal source is 5.1 Surround Sound, SPDIF outputs 5.1 Surround Sound if TV supports 5.1 Surround Sound, SPDIF outputs Stereo Sound if TV just supports Stereo Sound
- 2、2.0CH: no matter the signal source is 5.1 Surround Sound or not, both SPDIF and HDMI output Stereo Sound
- 3、5.1CH: both SPDIF and HDMI output Stereo Sound if the signal source is Stereo Sound, both SPDIF and HDMI output 5.1 Surround Sound if the signal source is 5.1 Surround Sound

Specifications

HDMI resolution.....24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i
Supported Video color format...24bit/deep color 30bit,36bit
Audio output.....L/R channel and optical fiber output
Max transfer bandwidth.....225MHz
Max Baud Rate.....75Gbps
Input/Output TMDS.....0.5~1.5Volts p-p
Input/Output DDC.....5Volts p-p (TTL)
Input cable length.....≤15m AWG26 HDMI standard cable
Output cable length.....≤20m AWG26 HDMI standard cable
Max working current.....500mA
Power adapter.....DC5V
Operating Temperature.....(-15 to +55°C)
Operating Humidity.....5 to 90% RH(no condensation)

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