

**P/N: HDCN04M5**

**HDMI 18Gbps Audio Extractor  
with HDCP 2.2**



**User Manual**

**VER 1.1**

## Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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## 1. Introduction

The HDMI 18Gbps Audio Extractor could extract audio signals from any HDMI compliant source to digital optical or analog stereo L/R audio outputs. Further, both input and output HDMI support video resolution up to 4K2K@50/60Hz (YUV444). It supports 10bits HDR (High Dynamic Range) pass through and HDMI high resolution digital audio formats bypass, LPCM 2CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, audio sampling rate up to 192 kHz. HDCP2.2 and CEC bypass are supported.

## 2. Features

- ✧ HDMI 2.0b (18Gbps), HDCP 2.2 and DVI compliant
- ✧ Video resolutions up to 4K2K@50/60Hz (YUV444)
- ✧ Extracts HDMI audio to multi-channel optical (SPDIF) or L/R analog audio
- ✧ Optical audio supports LPCM 2CH, Dobby Digital 2/5.1CH, DTS 2/5.1CH
- ✧ Supports HDMI High Bit Rates (HBR) audio pass through
- ✧ Audio sample rates up to 192kHz
- ✧ 10bits HDR (High Dynamic Range) pass through
- ✧ Supports CEC bypass

## 3. Package Contents

- ✧ 1 x HDMI 18Gbps Audio Extractor
- ✧ 1 x 5V/1A Power Adaptor
- ✧ 1 x User Manual

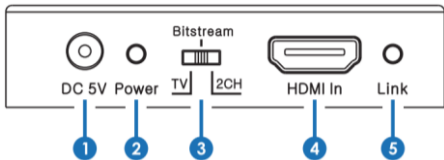
## 4. Specifications

<b>Technical</b>	
<b>HDCP Compliance</b>	HDCP2.2and HDCP 1.4
<b>Video Bandwidth</b>	18Gbps
<b>Video Resolutions</b>	Up to 4K2K@50/60Hz (YUV4:4:4), 4K2K@30Hz,1080P@120Hz, and 1080P3D@60Hz
<b>Color Space</b>	RGB, YCbCr 4:4:4, YCbCr 4:2:2
<b>Color Depth</b>	10-bit, 12-bit
<b>HDMI Audio Formats (Pass-through)</b>	LPCM 2/5.1/7.1 CH, Dolby Digital, DTS5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
<b>Optical Audio Formats</b>	LPCM 2CH, LPCM 5.1, Dolby Digital 2/5.1 CH, DTS 2/5.1 CH
<b>L/R Audio Formats</b>	Analog Stereo 2CH
<b>ESD Protection</b>	Human body model — ±8kV (air-gap discharge) & +4kV (contact discharge)

<b>Connections</b>	
<b>Inputs</b>	1x HDMI TypeA[19-pin female]
<b>Outputs</b>	1xHDMI Type A[19-pin female] 1x L/R Audio Out [3.5mm Stereo Mini-jack] 1x Optical Out[S/PDIF]
<b>Mechanical</b>	
<b>Housing</b>	Metal Enclosure
<b>Color</b>	Black
<b>Dimensions</b>	73.5mm [W] x60.7mm [D] x17mm [H]
<b>Weight</b>	130g
<b>Power Supply</b>	Input: AC100- 240V 50/60 Hz Output: DC5V/1A(US/EU standards, CE/FCC/UL
<b>Power Consumption</b>	1W(Max)
<b>Operation Temperature</b>	32-104°F/0-40°C
<b>Storage temperature</b>	-4- 140°F/-20-60°C
<b>Relative Humidity</b>	20 - 90% RH (no condensation)

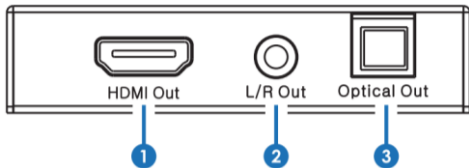
## 5. Operation Controls and Functions

### 5.1 Front Panel



- ① **DC5V:** Connect 5V/1A adaptor to AC wall outlet for power supply.
- ② **Power LED:** System power indicator.
- ③ **TV/Bit Stream / 2CH:** This allows users to select audio format according to TV, Bit Stream or LPCM 2CH.
- ④ **HDMI In:** Connect this to HDMI source devices such as Blu-ray or PS4 player.
- ⑤ **Link LED:** The LED will illuminate when detected HDMI input signal.

## 5.2 Rear Panel



- ① **HDMI Out:** Connect to HDMI display devices such as TV/ Projector.
- ② **L/R Out:** Connect to audio amplifier or TV L/R audio input port.
- ③ **Optical Out:** Connect to audio amplifier optical audio input port.

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## 6. Connection Diagram

