HDMI 18Gbps Audio Extractor

Supports 4K2K@50/60Hz, HDR, Optical S/PDIF & 3.5mm Stereo Output

NEXIS

MODEL: HAD06

Product Overview: The HAD06 is a compact, high-performance HDMI 18Gbps Audio Extractor designed to de-embed multi-channel audio from HDMI sources to digital Optical S/PDIF (Toslink) and 3.5mm L/R analog stereo outputs while passing through full 4K UHD video uninterrupted. Supporting resolutions up to 4K2K@50/60Hz (YUV 4:4:4), 10-bit HDR pass-through, HDCP 2.2/1.4, CEC bypass, and advanced audio pass-through formats (Dolby Atmos, DTS:X), HAD06 offers an effortless solution for integrating high-definition video sources with soundbars, AV receivers, and amplifier systems.

KEY FEATURES & HIGHLIGHTS

- **HDMI 2.0b & HDCP 2.2 Compliant**
  Fully compliant with HDMI 2.0b standards, offering 18Gbps bandwidth and HDCP 2.2/1.4 content protection compatibility.
- **High Dynamic Range (HDR) Pass-Through**
  Supports 10-bit HDR (High Dynamic Range) pass-through for rich contrast and vibrant color depth (10-bit / 12-bit).
- **Pass-Through Audio Formats & HBR**
  Supports High Bit Rate (HBR) audio pass-through, Dolby Atmos, DTS:X, Dolby TrueHD, DTS-HD Master Audio, and LPCM 7.1.
- **Ultra HD 4K60Hz & 3D Support**
  Supports high resolutions up to 4K2K@50/60Hz (YUV 4:4:4), 4K2K@30Hz, 1080p@120Hz, and 1080p 3D@60Hz.
- **Dual Audio Extraction Outputs**
  De-embeds audio to Optical S/PDIF (Toslink) and 3.5mm L/R analog stereo jack simultaneously.
- **CEC Pass-Through & Durable Metal Build**
  Supports CEC pass-through and audio sampling rates up to 192kHz inside a compact, durable metal enclosure.

TECHNICAL SPECIFICATIONS

PERFORMANCE & AUDIO-VISUAL SPECIFICATIONS	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	Up to 4K2K@50/60Hz (YUV 4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	10-bit, 12-bit (supports 10-bit HDR pass-through)
HDMI Audio Pass-Through	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Optical Audio Formats	LPCM 2CH, LPCM 5.1, Dolby Digital 2/5.1CH, DTS 2/5.1CH
L/R Audio Formats	Analog Stereo 2CH
Audio Sample Rates	Up to 192 kHz
ESD Protection	Human Body Model: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

HARDWARE & ENVIRONMENTAL SPECIFICATIONS	
Input Connector	1 × HDMI Type A [19-pin female]
Output Connectors	1 × HDMI Type A [19-pin female] (Loop-through) 1 × Optical Out [S/PDIF Toslink] 1 × L/R Audio Out [3.5mm Stereo Mini-jack]
Housing Material	Metal Enclosure (Black)
Dimensions (W × D × H)	73.5 mm × 60.7 mm × 17.0 mm
Weight	130 g
Power Supply	Input: AC 100–240V 50/60Hz; Output: DC 5V/1A (CE/FCC/UL certified)
Power Consumption	1 W (Max)
Operating Temperature	0°C to 40°C / 32°F to 104°F
Storage Temperature	-20°C to 60°C / -4°F to 140°F
Relative Humidity	20% to 90% RH (Non-condensing)

PACKAGE CONTENTS

- 1 × HDMI 18Gbps Audio Extractor Unit (HAD06)
- 1 × 5V/1A DC Power Adapter
- 1 × User Manual

