

18Gbps 4K HDMI® Audio Extractor with Dolby Atmos®

Extract Digital & Stereo Audio
from HDMI

MPN: HAECOAX3



4K
ULTRA HD

The **KanexPro HAECOAX3** our 3rd gen. audio extractor designed with 18 Gbps of high bandwidth and supporting the latest HDMI 2.0 specifications. This audio extractor will de-embed HDMI audio streams from any HDMI based device to digital or analog stereo maintaining 4K/60 video resolutions with YUV 4:4:4 color space and pass-thru for HDR 10(High Dynamic Range). Audio formats include LPCM 2-channel stereo, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master audio with audio sampling rate up to 192kHz.

Applications:

Widely used by audio files for de-embedding high-fidelity audio signals up to 192kHz and analog 2-channel stereo audio in residential and audio based home theaters. addition, Perfect for de-embedding audio from devices such as, Apple TV 4th generation, Google Chromecast, Xbox One, PS4, Sonos Speaker systems where you can simply extract audio from HDMI and drive it through 2-channel stereo or AV receiver.

FEATURES

- 4K/60 HDMI Audio Extractor with Dolby Atmos®
- Select your bit-stream audio by switching instantly
- 18 Gbps bandwidth with latest HDMI 2.0 Specs
- Supports HDMI® HBR (High Bit Rate) audio pass-through
- Supports HDR 10(High Dynamic Range) pass-through for wide color gamut
- Supports video resolutions up to 4K@24/30/50/60Hz (YUV4:4:4) & 1080p HD
- De-embeds audio to multi-channel digital via TOSLINK / SPDIF or analog
- HDCP 2.2 compliant
- CEC- pass through
- HDMI audio output: PCM 2, 5.1, 7.1, Dolby 5.1, DTS 5.1, D-TrueHD & DTS-HD
- Supports uncompressed audio such as LPCM
- Converts 2CH from 24-bit up to 192 kHz audio
- Automatic input cable equalization

SPECIFICATIONS

HDMI Compliance

HDMI 2.0a

HDCP compliance: HDCP 2.2 & HDCP 1.4

Video bandwidth: 18 Gbps

Supported Video Resolutions:

- 4K2K@50/60Hz(YUV4:4:4),4K2K@30Hz
- 1080P@120Hz, and 1080P 3D@60Hz

Other Supported Resolutions (HDTV)

Interlaced (50&60Hz):

- 480i
- 576i
- 1080i

Progressive (50&60Hz):

- 480p
- 576p
- 720p

Color Space: RGB, YCbCr 4:4:4, YCbCr 4:2:2

Color Depth: 10-bit, 12-bit

Audio Formats:

- **HDMI Audio Formats pass-thru:** 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, DTS2/5.1CH

- **L/R Audio Formats:** Analog Stereo 2CH

Connectors:

- **Input Connector:** HDMI with pigtail (Male)
- **Output Connector:** HDMI (Female), TOSLINK (fiber optic), 3.5mm Stereo L/R

Supported Audio formats & Specifications:

- **HDMI In:** DTS-HD Master Audio, Dolby TrueHD, LPCM 7.1, DTS, Dolby-AC3 and 2.0CH 32KHz,

44.1KHz, 48KHz, 88.2KHz, 96KHz, 176.4KHz, 192KHz

- **HDMI Out:** DTS-HD Master Audio, Dolby TrueHD, LPCM 7.1, DTS, Dolby-AC3 and 2.0CH 32KHz, 44.1KHz, 48KHz, 88.2KHz, 96KHz, 176.4KHz, 192KHz
- **TOSLINK Out :** PCM and compressed audio formats up to 192 kHz (DTS, Dolby-AC3 and 2.0CH)

- **Headphone Out :** 2.0 CH stereo audio

EDID Switch:

Selects 2.0CH, 5.1 CH, TV EDID to source

Power Requirements

Power Supply:

- Input: AC100 - 240V 50/60Hz
- Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)

Power Consumption (Max): less than 1 Watt

Environmental

Operating Temperature: 0°C to +70°C

Operating Humidity: -10% to 80% RH (No Condensation)

Storage Temperature: -20°C to +60°C

Storage Humidity: 5% to 90% RH (No Condensation)

ESD Protection : Human body model — 38kV (air-gap discharge) & 34kV (contact discharge)

Regulatory Approvals

Converter Unit: FCC,CE, UL

Power Supply: FCC,CE, UL

Mechanical

Housing: Metal Enclosure

Color: Black

Dims: W 2.8" x D 2.38"x H0.66" (73.5mm x 60.7mm x 17mm)

Weight: 0.28 Lbs. (130g)