

4K HDMI® Audio De-Embedder

Extract multi-channel audio from HDMI 4K UHD

MPN: HAECOAX2



The KanexPro HAECOAX2 is a 4K compliant audio de-embedder that extracts the audio from HDMI signal and provides outputs for analog stereo using 3.5mm head phone jack and digital TOSLINK audio.

The HAECOAX2 supports color depths up to 16-bits per color, fully HDCP compliant providing resolutions from 3D video, full 1080p/60 to 4K x 2K. The Built-in EDID switch manages EDID communication between HDMI input source, display and audio channeling from 2 channel PCM Down mixed audio to 5.1 CH and TV speakers.

Note:

This audio extractor requires low-power to operate and will work normally for all HDMI powered devices, however you are supplied with a micro USB barrel cable to connect to a 5V DC power supply if needed.

FEATURES

- HDMI Audio De-embedding - Analog Stereo & TOSLINK digital Audio
- Video Resolutions up to 4K, 1080p/60 and 3D supported
- De-embeds audio with or without HDMI output connected to a display
- Simultaneous analog stereo and digital S/PDIF outputs when de-embedding two-channel PCM audio
- Supports Color depths of 8,10, 12 & 16 bits
- EDID & HDCP Compliant
- Automatic input cable equalization
- Front panel Micro-USB for power
- Converts 2CH from 24-bit up to 192 kHz audio
- Supports 3D & CEC pass-through
- Supports selectable audio through switching
- Supports data rates up to 6.75Gbps
- Supports uncompressed audio such as LPCM
- HDMI audio output: PCM 2, 5.1, 7.1, Dolby 5.1, DTS

SPECIFICATIONS

Input/Output Connectors

Input Connector: HDMI with pigtail (Male)
Output Connector: HDMI (Female), TOSLINK (fiber optic), 3.5mm Stereo
EDID Switch: Selects 2.0CH, 5.1 CH, TV EDID to source

Operating Frequency

Vertical Frequency Range: 50/60Hz
Video Amplifier Bandwidth: 6.75 Gbps total bandwidth

Resolutions (HDTV)

Interlaced (50&60Hz):

480i
576i
1080i
4K

Progressive (50&60Hz):

480
576p
720p
1080p
4K

Power Requirements

External Power: via USB barrel 5V DC @1A - included
Power Consumption (Max): less than 2 Watts

Environmental

Operating Temperature: 0°C to +70°C
Operating Humidity: -10% to 80% RH (No Condensation)
Storage Temperature: -10°C to +80°C
Storage Humidity: 5% to 90% RH (No Condensation)

Regulatory Approvals

Converter Unit: FCC,CE, UL
Power Supply: FCC,CE, UL

Dimensions:

W 2.16" x D 2.36" x H 0.78"
40 grams (1.41 ounces)

Limited Warranty

1-Year Parts & Labor

ABOUT KANEXPRO

KanexPro carries a broad selection of A/V connectivity products by leveraging the core strength in professional systems enabling you to broadcast, convert, extend, split, or multiply HD signal transmissions; simply and cost-effectively. KanexPro is a trademark. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and/or other countries. All other product or service names are the property of their respective owners.