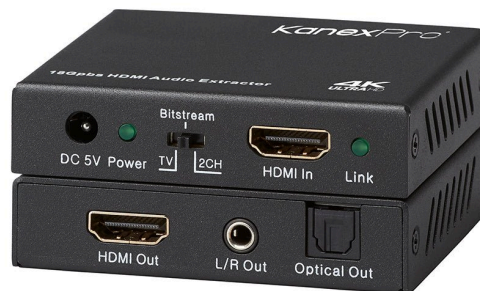


18Gbps 4K HDMI Audio Extractor with Dolby Atmos

De-embed 4K HDMI Audio to Optical and Analog with Selectable Audio Modes

MPN: HAECOAX3



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators, custom installers, and system designers deploying 4K installations where audio must be broken out from an HDMI source to legacy AV receivers, amplifiers, or PA systems.

THE CHALLENGE

4K HDMI sources output Dolby Atmos and DTS:X that many amplifiers and receivers cannot accept — they require S/PDIF optical or analog stereo inputs. Without a de-embedder, integrators must replace functional amplifiers or skip premium audio formats.

THE KANEXPRO ADVANTAGE

3rd-generation KanexPro 4K audio extractor — upgraded to full HDMI 2.0b 18Gbps with Dolby Atmos and DTS:X pass-through. Front-panel TV/Bitstream/2CH switch gives installers on-site format control. Auto cable equalization ensures reliable 4K60 on longer input runs.

2 PRODUCT POSITIONING

The HAECOAX3 is the 4K audio de-embedding solution for AV integrators who need reliable Dolby Atmos extraction from any HDMI 2.0 source to optical and analog outputs — with instant field-selectable audio modes.

3 APPLICATIONS



Home Theater

Extract Dolby Atmos from a 4K Blu-ray or streaming player to a legacy AV receiver via Toslink while passing 4K60 video to the projector or TV.



Conference Rooms

Route audio from the HDMI signal chain to the room DSP or ceiling amplifier via optical while 4K video passes to the room display.



Classrooms

Extract audio from a PC or media player HDMI output to the classroom PA or amplifier via 3.5mm.



Gaming

Extract PS4 Pro or Xbox audio to a headphone amplifier or gaming DAC via 3.5mm while video passes to a 4K display.



Hospitality

In hotel or retail signage, extract content audio to a local amplifier via optical while video continues to the display.



Video Production

Insert between a camera output and monitor — extract audio to a field recorder via Toslink while 4K video goes to the display.

4 WHO THIS IS FOR

AV Integrators

Custom Installers

Home Theater Pros

Conference Room AV

Education AV

Hospitality

Ideal User

AV integrator or system designer deploying 4K installations where Dolby Atmos or DTS:X audio must be routed to legacy receivers, amplifiers, or PA systems.

Project Types

Residential home theater, corporate AV, education, hospitality, healthcare, gaming, video production

Typical Buyer

AV system designer, lead integrator, or IT/AV coordinator — procurement through AV distribution channels or direct from KanexPro.

5 KANEXPRO PRODUCT COMPARISON

The HAECOAX3 is the mid-range audio extractor — best for 4K60 installations with Dolby Atmos that do not require 8K or ARC support.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
HAECOAX3	4K@60Hz + Dolby Atmos extraction	HDMI 2.0b 18Gbps, Optical + L/R, 3-mode switch	4K60 with HBR audio — best value for 4K installs
AUD-DEBED-8K	8K/4K@120Hz + ARC extraction	HDMI 2.1 48Gbps, ARC, Optical + L/R	8K capable, ARC mode, HDMI 2.1 gaming features
AUD-EARC-8K	eARC soundbar routing	HDMI 2.1, eARC, 4 simultaneous outputs	eARC + soundbar HDMI output — premium home theater
HAECOAX4	Embedding audio INTO HDMI	HDMI 2.0b, 3 audio inputs, dial switch	Opposite direction — audio inserter not extractor
HAECOAX	Legacy 1080p audio extraction	HDMI 1.3, Optical + Coaxial + 3.5mm	1080p only — entry level, 3 simultaneous outputs

Recommend HAECOAX3 for 4K60 installations requiring Dolby Atmos or DTS:X extraction to a legacy AV receiver — when 8K, ARC, or eARC are not required.

6 FREQUENTLY ASKED QUESTIONS

Q: What does the TV/Bitstream/2CH switch do?

TV mode follows the display's EDID. Bitstream sends raw encoded audio (Dolby/DTS) to optical. 2CH forces LPCM stereo downmix — universally compatible.

Q: Does it support Dolby Atmos?

Dolby Atmos and DTS:X pass through on the HDMI path. Optical in Bitstream mode carries Dolby Digital 5.1CH or DTS 5.1CH.

Q: Can it be used with PS5?

For PS5 at 4K@120Hz or VRR, use AUD-DEBED-8K. HAECOAX3 is HDMI 2.0b — does not support 4K@120Hz.

Q: What is automatic cable equalization?

The HAECOAX3 automatically compensates for HDMI signal degradation on longer input cables, ensuring stable 4K60 without manual adjustment.

Q: Can Optical and L/R outputs be used simultaneously?

Yes — both Toslink optical and 3.5mm L/R are always simultaneously active.