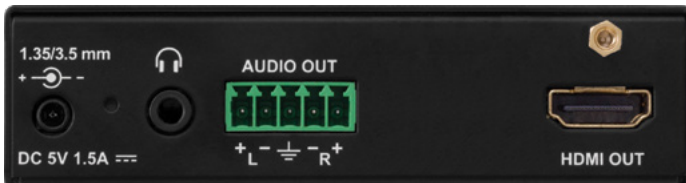# HDMI-4K Audio Embedder or De-embedder

IT-AED4K

HDMI 4K Audio Embedder, De-embedder is a multifunctional interface which is capable of embedding and de-embedding the PCM audio stream (other HDMI audio formats are passed through. Audio out is a 5-pole Phoenix socket. The unit also features a 3.5 jack output for headphone monitoring.

HDMI 4K Audio Embedder, De-embedder has abuilt-in EDID Management and Pixel Accurate Reclocking, supporting DVI and HDMI 1.4 signals with or without HDCP encryption.

HDMI 4K Audio Embedder, De-embedder features Advanced EDID Management and can emulate any HDMI display for continuous video output, even if the attached display is disconnected or powered down. HDCP enable/disable function turns off the unit's HDCP capability, which helps integrate certain laptops into a non-HDCP AV environment. The EDID memories from 1 to 55 are factory preset, the memories from 62 to 98 are user programmable. EDID memories from 56 to 61 are for universal EDID presets. Memory 0 is transparent for output, so using this setting the EDID of the last attached display device (monitor or projector) will be reported to the source. With the Easy EDID Creator (PC software wizard) the users can create their own EDID by completing four simple steps.

Features:

- Multifunctional interface for de- embedding the PCM audio stream • 4K / UHD (30Hz RGB 4:4:4, 60Hz YCbCr 4:2:0) and 3D capabilities • Multiple powering options over DC plug, USB or HDMI 5V input
- Local audio De-Embedding and Embedding
- Keeps source's HDMI or DVI output continuously active
- HDCP enable/disable function
- Signal detection, source detection and monitor detection LEDs
- USB control
- Cable loss compensation at Input
- Built-in Advanced EDID Management
- Pixel Accurate Reclocking
- HDCP compliant
- 5-pole Phoenix Balanced Output
- 3.5mm Headphone Output
- Built-in Video Testpattern Generator
- Deep color support
- Daisy chain support
- Free Easy EDID Creator PC software
- Rack mounted or standalone use
- Gold-plated connectors
- Dolby Digital Supported for audio
- 3D, Deep Color, 4K

HDMI-4K Audio Embedder or De-embedder

Specifications

Model:	IT-AED4K
Max resolution: Reclocking:	3840 x 2400 or 4096 x 2160
HDCP pass through:	Yes
Input cable equalization:	Yes
Digital audio formats	Automatic max 20m @4k30, or 30m @1080p60 Supports up to 8 channel PCM (de-embed and pass-through), Dolby TrueHD and DTS-HD Master Audio 7.1, Digital Dolby (pass-through only) formats
Front panel control:	Yes, EDID learn button, EDID selector switch
LED indicators:	Live, Video Input Status, Audio Signal Format, Video Output Status
EDID emulation:	Yes, Advanced EDID management with 99 EDID memories
EDID memory:	55 factory preset , 6 universal, 1 transparent, 37 user programmable
EDID support:	256 byte Extended EDID
+5V Power on HDMI Outputs:	500 mA
Power:	Universal power adaptor, DC 5V 2.5A (max)
Power consumption:	1,8 W (max)