



KRAMER

FC-69

4K UHD HDMI Audio Embedder/De-Embedder



The FC-69 is a high-performance 4K@60Hz (4:2:0) UHD, 4Kx2K HDMI audio embedder and de-embedder. The unit can embed analog audio to the HDMI output or de-embed audio from the HDMI input or from the HDMI output Audio Return Channel to S/PDIF and unbalanced stereo audio outputs simultaneously.

FEATURES

- Max. Resolution - 4K@60Hz (4:2:0) UHD, 4Kx2K.
- Maximum Data Rate - 8.91Gbps (2.97Gbps per data channel).
- HDTV Compatible.
- HDCP Compliant.
- HDMI Support - ARC and HDMI uncompressed audio channels, deep color, CEC.
- Audio Embedding - Even without an HDMI source.
- Audio de-Embedding - To unbalanced analog and S/PDIF, selectable from input or ARC.
- Kramer Equalization & re-Klocking™ Technology - Rebuilds the digital signal to travel longer distances.
- Sleep Mode - 5V on the output, following the input, allows the display to turn off when no video is being sent.
- Preconfigured Control Options - DIP-switches control locking/modifying EDID, HDCP, embedding/de-embedding and sleep mode functionality.

TECHNICAL SPECIFICATIONS

INPUT:	1 HDMI on an HDMI connector, 1 analog stereo audio on a 3.5mm mini jack.
OUTPUTS:	1 HDMI on an HDMI connector, 1 S/PDIF digital audio on an RCA connector, 1 analog stereo audio on a 3.5 mm mini jack.
MAX DATA RATE:	8.91Gbps (2.97Gbps per graphic channel), 1080p @60Hz, 36-bit Deep Color, supports 4K@60 UHD (4:2:0), 4Kx2K.
AUDIO THD+N:	−75dB.
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI, HDCP.
CONTROLS:	8-way DIP-switch.
INDICATOR LEDS:	ON, IN, OUT, HDCP.
POWER SOURCE:	5V DC, 500mA.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	−40° to +70°C (−40° to 158°F).
HUMIDITY:	10% to 90%, RHL non-condensing.
COOLING:	Convection.
ENCLOSURE TYPE:	Aluminium.
RACK MOUNT:	With optional adapter.
FURNITURE MOUNT:	With included rubber feet.
DIMENSIONS:	12cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96") W, D, H.
PRODUCT WEIGHT:	0.165kg (0.36lbs) approx.
SHIPPING DIMENSIONS:	23.2cm x 12cm x 8.9cm (9.14" x 4.73" x 3.5") W, D, H.
SHIPPING WEIGHT:	0.46kg (1.01lbs) approx.
VIBRATION:	ISTA 1A in carton (International Safe Transit Association).
REGULATORY COMPLIANCE:	CE.
ENVIRONMENTAL REGULATORY COMPLIANCE:	RoHs and WEEE.
INCLUDED ACCESSORIES:	Power supply.
OPTIONS:	RK-3T 19" rack adapter.
WARRANTY:	7 years parts and labor.

