



# KRAMER

## FC-69

4K60 4:2:0 HDMI Audio  
Embedder/De-Embedder

| HDMI | 4K/60 UHD (4:2:0)



FC-69 is a high-performance 4K@60Hz (4:2:0), 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), 4Kx2K
- Max. Data Rate - 8.91Gbps (2.97Gbps per data channel)
- HDTV Compatible
- HDCP Compliant
- HDMI Support - ARC, 7.1 PCM, deep color
- 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



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## TECHNICAL SPECIFICATIONS

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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 LEDES:	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:	Aluminum
RACK MOUNT:	With optional adapter
FURNITURE MOUNT:	With included rubber feet
VIBRATION:	ISTA 1A in carton (International Safe Transit Association)
REGULATORY COMPLIANCE:	CE
ENVIRONMENTAL REGULATORY COMPLIANCE:	RoHs and WEEE
INCLUDED ACCESSORIES:	Power supply
WARRANTY:	7 years parts and labor
Product Dimensions	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96" ) W, D, H
Product Weight	0.2kg (0.4lbs) approx
Shipping Dimensions	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43" ) W, D, H
Shipping Weight	0.5kg (1.0lbs) approx



