FC-46H2

4K HDR HDMI Audio De-embedder

| HDMI | 4K/60 UHD (4:4:4) | 4K HDR



The FC-46H2 is a professional HDMI audio de-embedder for HDMI signals up to 4K@60Hz (4:4:4) resolution. The unit de-embeds the audio signal from the HDMI input or from the HDMI output ARC (Audio Return Channel) and simultaneously outputs it to the S/PDIF® and 5-pin balanced audio outputs

FEATURES

- **Professional HDMI Audio De-embedder** - De-embeds the audio from HDMI signals with resolution up to 4K@60Hz (4:4:4) and data rate up to 18Gbps (6Gbps per graphic channel), supporting HDR and HDCP 2.2/1.4
- **Flexible De-embedding** - De-embed the audio from the HDMI input or from the HDMI output ARC (Audio Return Channel)
- **Varied Output Options** - De-embedded audio is simultaneously output to an S/PDIF® and 5-pin balanced audio outputs
- **Smart EDID Management** - Select one of the EDID management modes using the DIP-switches: pass-through, lock or force 2 channel LPCM
- **Kramer re-Klocking™ and Equalization Technology** - Rebuilds the digital signal to travel longer distances
- **Convenient Control and Maintenance** - Audio Source front panel button enables local switching to either the HDMI input audio or the HDMI output ARC. Audio source, audio output, and power LED indicators enable easy local maintenance and troubleshooting. Local firmware upgrade via the mini USB port ensures lasting, field-proven deployment
- **Easy Installation** - Compact DigTOOLS® fan-less enclosure for surface mounting or side-by-side mounting of 3 units in a 1U rack space with the recommended rack adapter

TECHNICAL SPECIFICATIONS

Inputs	HDMI: On a female HDMI connector
Outputs	HDMI: On a female HDMI connector
	S/PDIF Digital Audio: On an RCA connector
	Balanced Stereo Analog Audio: On a 5−pin terminal block connector
Video	Bandwidth: Up to 18Gbps (6Gbps per graphic channel)
	Max. Resolution: Up to 4K@60 (4:4:4)
	HDMI Support 4K@60Hz and ARC as specified in HDMI 2.0
	Content Protection Supports HDCP 2.2
Audio	Frequency Response: 20Hz to 20kHz @ +/–0.1dB
	S/N Ratio: >90dB
	THD+N: 0.004%
User Interface	Control: Setup DIP−switches for EDID mode, audio settings, analog audio amplification. Contact closure switch for:output mute
	Indicators: Audio sources (IN and OUT), Audio output (DIG and ANALOG), and ON LEDs
Power	Consumption: 5V DC, 370mA
	Source: 5.2V DC, 4A
Environmental Conditions	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
REGULATORY	Safety: CE,
	Environmental: RoHs, WEEE
Enclosure	Size: Tool
	Type: Aluminum
	Cooling: Convection ventilation
Accessories	Included: 1 Power adapter, 1 power cord and 1bracket set per device
Product Dimension	EU: 8.00cm x 4.70cm x 8.00cm (3.15" x 1.85" x 3.15") W, D, H
	UK: 8.60cm x 4.70cm x 8.60cm (3.39" x 1.85" x 3.39") W, D, H
	US: 6.98cm x 4.70cm x 11.43cm (2.75" x 1.85" x 4.50") W, D, H
	EU, UK: 8.00cm x 4.70cm x 8.00cm (3.15" x 1.85" x 3.15") W, D, H
Product Weight	EU: 0.1kg (0.2lbs) approx
	UK: 0.1kg (0.2lbs) approx
	US: 0.1kg (0.2lbs) approx
	EU, UK: 0.1kg (0.2lbs) approx
Shipping Dimension	EU: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94") W, D, H

	UK: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94") W, D, H
	US: 11.50cm x 4.70cm x 7.00cm (4.53" x 1.85" x 2.76") W, D, H
	EU, UK: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94") W, D, H
Shipping Weight	EU: 0.4kg (0.8lbs) approx
	UK: 0.4kg (0.8lbs) approx
	US: 0.4kg (0.8lbs) approx
	EU, UK: 0.4kg (0.8lbs) approx

