MC3-2H-2H

4K60 2X2 HDMI Scaling Card

| Fiber Optic

MC3−2H−2H is part of Kramer's high−end modular matrixes family of solutions. It is a high−performance two−port HDMI input and two−port HDMI output card which is part of the compatible modular matrices multi−signal cards family. One or more MC3−2H−2H units can flexibly occupy any of the matrix card slots. Its input signals are independently switched by the modular matrix to any of the matrix output ports, and any matrix input signals are independently switched to its scaling output ports

FEATURES

- 2 HDMI input ports, 2 HDMI output ports with HDMI 2.0b (4K60 4:4:4), CEC and HDCP 2.3
- Support scaling, fast switching and clean transition, switching time is less than 1.2s
- HDMI output ARC audio flexible routing support
- Support online FW upgrade by the webpage
- Support CEC gateway independent per input/output port
- The card is hot swappable
- Sophisticated management of EDID and HDCP
- HDMI input audio DE−embedding and ARC audio flexible routing
- +5V auto turn off, and 5V/0.5A, ≤2.5W power providing per HDMI port
- Video output up/down scaling supporting all HDMI video resolutions
- HDMI video bypass mode
- HDMI output audio embedding from any routed audio source

TECHNICAL SPECIFICATIONS

Inputs	2 HDMI: On HDMI connectors
Outputs	2 HDMI: On HDMI connectors
Video	Max Data Rate: 18Gbps (6G per channel)
	Max Resolution: 4096x2160@60Hz (4:4:4) 24bpp
	Resolutions: 480i@30Hz, 480p@60/72/75/85Hz, 576p@50Hz, 600p@60/72/75/85Hz, 768p@50/60/70/75/85Hz, 800p@60Hz, 864p@75Hz, 900p@60Hz, 640x480p@60/72/75/85Hz, 720x480i@30Hz, 720x480p@60Hz, 720x576p@50Hz, 800x600p@60/72/75/85Hz, 848x480p@60Hz, 852x480p@60Hz, 1024x768p@60/70/75/85Hz, 1152x864p@75Hz, 1280x768p@60Hz, 1280x800p@60Hz, 1280x960@60Hz, 1280x1024p@60/75Hz, 1360x768p@60Hz, 1366x768p@50/60Hz, 1400x1050p@60Hz, 1440x900p@60Hz, 1600x900p@60Hz, 1600x1200p@60Hz, 1680x1050p@60Hz, 1920x1080i@50/60Hz, 1920x1080p@24/30/50/60Hz, 3840x2160p@24/30/60Hz RB, 4096x2160p@24/30/60Hz, 3840x2160p@24/30/60Hz
	Output Transition on Switching < 1sec, switch thru black
	Video Latency: 1–2 frames
	HDMI Compliance: 4K, HDR10 as specified in HDMI 2.0b
	Content Protection: HDCP 2.3
Switching Time	<1.2 seconds, not flickering or loss
General	Product Dimension 25.50cm x 13.00cm x 2.00cm (10.04" x 5.12" x 0.79")
	Product Weight 0.4kg (0.9lbs) approx
	Shipping Dimensions: W, D, H 29.50cm x 16.50cm x 5.30cm (11.61" x 6.50" x 2.09")
	Shipping Weight 0.5kg (1.1lbs) approx
Product Dimensions	25.50cm x 13.00cm x 2.00cm (10.04" x 5.12" x 0.79") W, D, H
Product Weight	0.4kg (0.8lbs) approx
Shipping Dimensions	29.20cm x 16.50cm x 6.00cm (11.50" x 6.50" x 2.36") W, D, H
Shipping Weight	0.6kg (1.2lbs) approx