



## MC3-2R-2T

4K60 4:4:4 2X2 HDBaseT Scaling Switcher  
Card

| Fiber Optic



MC3-2R-2T is part of Kramer's high-end modular matrixes family of solutions. It is a high-performance two-port HDBaseT 3 input and two-port HBaseT 3 output card which is part of the compatible modular matrixes multi-signal cards family. One or more MC3-2R-2T 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 HDBaseT 3 input ports, 2 HDBaseT 3 output ports delivering 4K60 4:4:4 (18 Gbps), CEC and HDCP 2.3
- Support up/down scaling, fast switching and clean transition, switching time is less than 1.2s
- Sophisticated management of EDID and HDCP
- HDBaseT input port audio de-embedding to any routed audio sink
- HDBaseT output port audio embedding from any routed audio source
- Advanced and flexible RS-232, IR and CEC modes: RS-232, IR & CEC pass through RS-232, IR & CEC Gateway independent per input/output port
- UBS 2.0 over HDBaseT functionality with USB host switching and devices access over any HDBaseT link
- Support online FW upgrade by the webpage
- The card is hot swappable
- CEC Off/On commands are sent automatically upon loss/detection of a signal
- Compatible pairing with HDBT 3.0 transmitters and receivers (such as EXT3-xx extenders) for 4K60Hz (4:4:4) AV signal extension
- Backwards-compatible pairing with HDBT 1.0/2.0 4K30 (4:4:4) or compressed 4K60 (4:4:4) transmitters and receivers (such as TP-580T/R & TP-583T/R extenders) for native 4K30Hz (4:4:4) AV signal extension



## TECHNICAL SPECIFICATIONS

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Inputs	2 HDBaseT 3: On RJ-45 connectors
Outputs	2 HDBaseT 3: On RJ-45 connectors
Video	<p>Max Data Rate: 18Gbps (6G per channel)</p> <p>Max Resolution: 4096x2160@60Hz (4:4:4) 24bpp</p> <p>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</p> <p>Output Transition on Switching &lt; 1sec, switch thru black</p> <p>Video Latency: 1–2 frames</p> <p>HDMI Compliance: 4K, HDR10 as specified in HDMI 2.0b</p> <p>Content Protection: HDCP 2.3</p>
HDBaseT Extension reach	40 meters
Switching Time	<1.2 seconds, not flickering or loss
General	<p>Product Dimension W, D, H 25.50cm x 13.00cm x 2.00cm (10.04" x 5.12" x 0.79")</p> <p>Product Weight 0.4kg (0.9lbs) approx</p> <p>Shipping Dimensions: W, D, H 29.50cm x 16.50cm x 5.30cm (11.61" x 6.50" x 2.09")</p> <p>Shipping Weight 0.5kg (1.1lbs) approx</p>
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 (0.9lbs) 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 (1.4lbs) approx