



kramer

MC3-2R-2H

4K60 HDBT/HDMI 2xIN + 2xOUT Scaling Card

| Ethernet - RJ-45 | HDBaseT | 4K/60 UHD (4:4:4)



MC3-2R-2H is a high-performance two-port HDBaseT 3.0 input and two-port HDMI output card which is part of the compatible modular matrices multi-signal cards family. MC3-2R-2H 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

High Resolution Audio-Visual Experience - Modular matrix card supports high 4K60 4:4:4 HDMI signal distribution from and towards any input and output port of the modular matrix

Valuable Fast Switching Experience - Fast and clean presentation signal switching, ensures smooth transitions of displayed content, as distributed from multiple matrix input-connected sources

High-Performance Scaling Presentation - Built-in ProcAmp high-resolution scaling technology for optimal glitch-free output image display

High Performance Standard Extender - Professional HDBaseT extender for providing long-reach signals over twisted-pair copper infrastructures

Future-proof, Standard Extender - Matrix card is a standard HDBaseT extender, backwards compatible with other standard HDBT extenders. It extends uncompressed HDBaseT signal, auto-adapting to the capabilities of its connected extender. This enables it to be connected to any market-available HDBaseT-compliant extension product

HDMI Signal Extension - HDCP 2.2 and EDID signals are passed through from the source to the display. Supports HDR10, deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0

Multi-channel Audio Transmission - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems

Ethernet Extension - Ethernet interface data flows in both directions, allowing extension of up to 1 Gbps Ethernet connectivity for LAN communication and device control

Flexible USB 2.0 Extension - An active USB host is connected to the extender at either the transmitter or receiver sides. USB 2.0 signals are extended between the extender transmitter and receiver sides, enabling connection of the active USB host to both local and remote USB HID (Human Interface Devices) devices such as mouse or keyboard devices

Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control

Bidirectional Infrared Extension - IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line

Easy Installation - Supports PoE (Power over Ethernet) providing over HDBT cable, in parallel to signals extension, to a remote PoE acceptor such as a PoE wall-plate, when matrix is connected to PoE power supply module



kramer

TECHNICAL SPECIFICATIONS

| | |
|-------------------|--|
| Inputs | 2 HDBaseT On RJ-45 connectors |
| Outputs | 2 HDMI On HDMI connectors |
| Extension Line | Reach Up to 100m (330ft) Note: when using Kramer HDBaseT cables Standards Compliance HDBaseT 3.0 |
| 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 Max Switching Time between Inputs 1.5 seconds Output Transition on Switching Smooth cut-thru Video Latency 1–2 frames HDMI Compliance 4K, HDR10 as specified in HDMI 2.0b Content Protection HDCP 2.2 |
| Extended USB | Data Rate Up to 480Mbps Throughput Up to 12Mbps Device Type HID Standards Compliance 1.1 and 2.0 USB |
| Extended Ethernet | Max Data Rate 1 Gbps |
| Extended RS-232 | Baud Rate 9600 to 115200 |

