MTX2-42-T

4x2 4K60 USB-C/HDMI Matrix Transmitter

| HDMI | Ethernet - RJ-45 | HDBaseT | 4K/60 UHD (4:2:0)



MTX2-42-T is a high-performance integrated matrix transmitter with two USB-C and two HDMI/USB inputs independently routable to HDMI and HDBT outputs. With compatible receiver, the remote USB peripherals (such as a room camera) are extended for use of local USB host, for convenient hybrid meeting operation with both room and online participants

FEATURES

Hybrid Meetings - Designed to support switching of both AV inputs and USB host ports, for concurrent connection to AV outputs and room USB devices. The product facilitates collaborative hybrid meetings where participants can switch to share their content with both room and online meeting participants

Powerful Audio Handling - Integrated DSP for intelligent microphone talk-over, audio signal equalization, mixing, and delay processing, together with flexible audio insertion and extraction capabilities, ensure unsurpassed experience for the presenter and end-user

HDMI Signal Switching - HDCP 2.2 compliant, supporting deep color, x.v.Color™, CEC, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing, locking and pass-through algorithm ensures plug & play operation for HDMI source and display systems

BYOD Ease and Convenience - Connect any DP-Alt-Mode-capable USB-C device as an AV presentation source, while providing the connected device with USB and Ethernet connection, and up to 60 watts of power, via a single USB-C cable connection only

Simple Control - Remote IP-controller connection, browser operation webpage, local panel buttons, or remotely connected contact-closure buttons, for easy and fully flexible user ports selection, signals routing, and matrix control

Built-in Intelligent Control Gateway - Remote IP-driven intelligent control of connected AV and USB devices via RS-232 and CEC, eliminating the need for an external control gateway and reducing installation complexity and costs to enable easy integration with control systems such as Kramer Control

Audio De-embedding - The digital audio signal passing-through to the output is also available on the stereo balanced analog audio output. This enables playing the audio on a locally connected professional audio system (such as DSP) and speakers, in parallel to playing it on the speakers connected to the AV acceptor device (such as TVs with speakers)

USB 2.0 Extension - USB 2.0 signals are extended over the HDBT link to a paired receiver, enabling connection of the active USB host to both local and remote USB devices, such as a camera and audio devices, or HID (Human Interface Devices) mouse or keyboard devices

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

Comprehensive Management - Flexible service options – including local panel status LED indicators, remote IP-driven firmware upgrade and management via user-friendly embedded web pages, and remote IP or local serial service and management via API commands – ensure lasting, field-proven deployment

Easy and Elegant Installation - Compact fan-less enclosure for flexible under-table or podium mounting

TECHNICAL SPECIFICATIONS

INPUTS	2 HDMI: On female HDMI connectors 2 USB-C: On USB-C female connectors 1 Mic/Unbalanced Stereo Audio: On a 3-pin terminal block connector 1 AUX Unbalanced Stereo Audio: On a 3.5mm mini jack
OUTPUTS	1 HDMI: On a female HDMI connector 1 HDBaseT: On an RJ-45 connector 1 Balanced Stereo Audio: On a 5-pin terminal block connector
Ports	1 Ethernet: On an RJ-45 connector 1 Control RS-232: On a 3–pin terminal block connector 1 Data RS-232: On a 3–pin terminal block connector 1 Program USB: On a USB type A connector for firmware upgrade 3 USB (HUB): On USB type A connectors 2 USB (Host): On USB type B connectors Integrated USB Hubs: 2
Video	Max Data Rate USB-C and HDMI ports: 18Gbps HDBT port: 10.2Gbps HDMI Support: 4K60, CEC, xvYCC color Content Protection: HDCP 1.4 and 2.2
USB Features	Data Rate: USB 3.0 Ports: 5Gbps USB 2.0 over HDBT: Up to 127Mbps (out of max 480Mbps)
Extension Line	Up to 40m (130ft): At 4K@60Hz (4:2:0) Up to 70m (230ft) At full HD (1080p@60Hz) Compliance: HDBaseT 2.0
Extended RS-232	Baud Rate 300 to 115200
Analog Audio	Input Coupling: AC Output Coupling: DC Max Input Signal Level: 5.5Vp-p/8dBu Max Output Signal Level: 6Vp-p/8.7dBu Frequency Response: 20Hz to 20kHz ±0.1dB THD+N (A-weighted): 76dB Input Impedance: 14KΩ Output Impedance: 500Ω For Embedded Audio – Number of Supported Channels: Up to 8CH Supported Audio Formats: Dolby, DTS
Power	Source: 24V DC, 5A Consumption 24V DC, 4.9A
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
Enclosure	Size: Half 19" rack, 1U Type: Aluminum Cooling: Convection ventilation
STANDARDS	Safety CE

COMPLIANCE

	Environmental FCC, UCKA
Accessories	Included: 1 Power adapter, 1 power cord (EU and US), 4 rubber feet, 1 bracket set
Product Dimensions	21.46cm x 16.30cm x 4.36cm (8.45" x 6.42" x 1.72") W, D, H
Product Weight	1.0kg (2.2lbs) approx
Shipping Dimensions	34.40cm x 21.00cm x 7.00cm (13.54" x 8.27" x 2.76") W, D, H
Shipping Weight	1.6kg (3.6lbs) approx

