



MTX3-42-HU

4x2 4K60 USB-C/HDMI Matrix

| HDMI | Ethernet - RJ-45 | 4K/60 UHD (4:4:4)
| 4K HDR | HDCP 2.2 Compatible



MTX3-42-HU is a high-performance matrix/auto-switcher with two USB-C and two HDMI/USB inputs and two HDMI outputs. It can independently route 4K60 4:4:4 AV signals and USB 3.2 data between connected devices. A USB 3.2 hub allows connecting USB peripherals such as room cameras and USB collaboration devices and sharing them between the hosts. The MTX3-42-HU unit is ideal for creating, captivating and immersive hybrid meeting experiences

FEATURES

Hybrid-meeting Collaborative Switching - Controllable coupled-signal switching of both AV and USB host inputs, for concurrent connection with AV output and space USB devices. Allows collaborative hybrid meetings where multiple meeting participants can switch and share their content with both room and online meeting participants

BYOD Ease and Convenience - Connect any DP-Alt-Mode-capable USB-C device as one of the AV presentation source, while providing the connected device with USB 3.2/USB 2.0 and Ethernet connection, and (if PD-2.0-capable) up to 100 watts of power, via two USB-C cable connections

HDMI Signal Switching - HDCP 2.3 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

USB 3.2 Switching - USB 3.2 signal switching enables high data-rate connection between an active USB host and space USB devices, such as 4K camera, high-quality audio devices and HID (Human Interface Devices) mouse or keyboard devices

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

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

Auto Switcher Ease of Use - Automatically plays signal of the plugged source on the connected display, according to user-configured preferences, such as last-connected input

Display On/Off Operation - Meeting presentation is simplified by manually or automatically turning on/off CEC-enabled or serially-controlled displays when the presentation source is plugged in / unplugged

Simple Control - Offers remote IP-controller connection, browser operation webpages, local panel buttons, and remotely connected contact-closure buttons, for easy and flexible user port selection, signal routing, and switcher control

Built-in Intelligent Control Gateway - Supports remote IP-driven intelligent control of connected AV, USB and sensor devices via CEC, RS-232, IR or I/O. Eliminating the need for an external control gateway, this feature reduces installation complexity and costs, enabling easy integration with control systems, such as Kramer Control

Secured Network Connection - Standard IT-grade 802.1x authentication for secured IT LAN connectivity

Comprehensive Management - Local panel indication LEDs to facilitate effortless local maintenance and troubleshooting, and remote IP-driven firmware upgrade and management via user-friendly embedded web pages and optional whole site management systems together ensure lasting and field proven deployment

Easy and Elegant Installation - MegaTOOLS™ fan-less enclosure for surface or dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter, for easy switcher deployment



TECHNICAL SPECIFICATIONS

Inputs	2 DP Alt Mode & PD 3.0 USB-C: On a USB type-C female connector
	2 HDMI: On an HDMI female connector
Outputs	2 HDMI: On an HDMI female connector
	1 Balanced Stereo Audio Line: On 5-pin terminal block connector
	1 IR: On a 3.5mm mini jack for IR extension
Ports	2 USB 3.2 Host: On a USB-C female connector
	2 USB 3.2 Host: On a USB-B female connector
	3 USB 3.2 Device: On USB type-A female connectors
	1 Ethernet: On an RJ-45 female connector for LAN connection
	1 RS-232: On a 3-pin terminal block
Video	2 GPIO: On a 2-pin terminal block
	Max Data Rate: 18Gbps bandwidth (6Gbps per graphic channel)
	Max Resolution: 4K@60Hz (4:4:4) resolution
	Content Protection: HDCP 2.3
	HDMI Support: Deep Color, 3D, HDR as specified in HDMI 2.0b
USB Features	USB 3.2 Data Rate: Up to 10Gbps
	Integrated USB Hubs: 1
	Standards Compliance: USB 3.2 GEN 2, 2.0 and 1.1
Analog Audio	Max Output Signal Level: 14.5dBu
	Impedance: 500 Ω
	Bandwidth: 20Hz — 20kHz
	Crosstalk: -114dB
	THD + N: 0.005% @1kHz at nominal level
	S/N Ratio: 85dB, 20Hz — 20kHz
Power	Coupling: DC
	Power Adapter (included): Source: 20V DC, 12A
	Max. Power: No external power delivery: 5.8W
	Maximum deliverable power to external devices: 178W
	Max. Heat Dissipation With no external power delivery: 19BTU/hr (5.5W)
	With maximum external power delivery: 47BTU/hr (14W)
	USB Device Charging USB-C port 1: 100W

	USB-C port 2: 60W
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 Compliance (Standards Compliance)	Safety CE, UL Environmental RoHs, WEEE
Enclosure	Size Mega Tool Type Aluminum Cooling Convection, fan-less ventilation
General	Net Dimensions (W, D, H) 19cm x 11.60cm x 2.7cm (7.48" x 4.57" x 1.06") Shipping Dimensions (W, D, H) 35.1cm x 21.2cm x 7.2cm (13.8" x 8.34" x 2.83") Net Weight 0.892kg (1.96bs) approx Shipping Weight 1.446kg (3.18lbs) approx
Accessories	included Power Cord
Product Dimensions	19.00cm x 11.60cm x 2.70cm (7.48" x 4.57" x 1.06") W, D, H
Product Weight	0.5kg (1.1lbs) approx
Shipping Dimensions	35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H
Shipping Weight	1.5kg (3.2lbs) approx

