MTX3-88-HSA

8x8 4K60 4:4:4 HDMI+Audio Scaler Based Matrix/Switcher

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



MTX3−88−HSA is a high−quality scaler−based matrix with eight HDMI inputs independently routable to eight HDMI outputs. The video scaling processor provides a fast and clean (<1sec) switching time. Each HDMI output supports down or up scaling to account for any sink / source capability difference. The integrated audio matrix, with four analog audio input and four analog audio output ports support routing of any digital or analog audio source to sink including ARC (Audio Return Channel) sources

FEATURES

Flexible and Safe Matrix Routing - Clean and fast switching between inputs, with smooth and safe transition between presented content on displays, for convenient presentation experience of end–users

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

HDMI Signal Switching - HDCP 2.3 compliant, supporting deep color, ARC, up to 7.1 uncompressed audio channels, and 3D, as specified in HDMI 2.0b

Multiview support - Each HDMI output can display content from two inputs in several layouts including picture−in−picture and side−by−side

Splash screens support - Up to 16 pre−loaded images can be selected to any HDMI output. This provides a simple implementation of useful features like room welcome screens, emergency announcement screens and more

OSD - User defined information may be defined and displayed in OSD format on any output

IP Gateway support - CEC control messages to sinks or sources as well as GPIO control messages may be defined and generated using the IP control gateway mechanism

I–EDIDPro™ Kramer Intelligent EDID Processing™ - Individual EDID management per input for flexibly capturing and storing EDID from output–connected displays or custom files. Intelligent EDID handling and processing ensures plug & play operation for HDMI source and display systems

Independent Audio Breakaway and Routing - The digital audio signals passing through to the selectable outputs, and ARC (Audio Return Channel) signals from the output–connected displays, are extracted, converted to analog audio signals, and input to the built–in audio matrix. Flexible matrix routing enables insertion of any audio input signal, either the breakaway input signals or from the matrix input ports, to any AV matrix output port or audio matrix analog balanced ports. This allows 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 devices (such as TVs with speakers)

Simple Control - The unit is controlled over secured IP integrated web GUI or alternatively by any controller supporting Kramer's P3K API commands

- Supports legacy controllers using RS−232 protocol with P2K API commands
- Simple and intuitive integrated LED buttons panel allow operating the device manually

Easy and Elegant Installation - 19" enclosure for rack mounting in a 1U rack space with included rack ears and universal 100–240V AC power supply

Low power mode - Supports saving up to 50% of the unit's power consumption

Secured Web-UI Operation - User credentials authentication for secured web−UI access and operation

TECHNICAL SPECIFICATIONS

Inputs	8 HDMI On female HDMI connectors
	4 Stereo analog balanced audio inputs on terminal−block connectors
Outputs	8 HDMI On female HDMI connectors
	4 Stereo analog balanced audio inputs on terminal−block connectors
Ports	1 RS-232: On a 3−pin terminal block connector
	1 Ethernet On an RJ−45 female connector for device control and management
Video	Max. Output Resolution 4K@60Hz (4:4:4)
	Max Data Rate 18Gbps bandwidth (6Gbps per graphic channel)
	Content Protection HDCP 2.3
	Max Switching Time Standard Mode: 1 sec
	Compliance Deep Color, 3D, ARC, up to 7.1 uncompressed audio channels as specified in HDMI 2.0b
Audio	Routable Signals Input/output ports, breakaway forward/ARC signals
Control	Front Panel 8x8 select buttons + 12 control buttons with integrated LED for device operation
	Front Panel 3 x Status LEDs
Power	Source: 100–240V AC, 50/60Hz
	Consumption: 66VA
Enclosure	Size 19", 1U
	Type Aluminum
	Cooling FAN ventilation
	Max. Noise 46dBA
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%, RH non−condensing
General	Net Dimensions (W, D, H) 43.6cm x 18.3cm x 4.4cm (17.18" x 7.20" x 1.72")
	Shipping Dimensions (W, D, H) 52.5cm x 33cm x 10.7cm (20.7” x 13” x 4.2”)
	Net Weight 2.5kg (5.5lbs) approx
	Shipping Weight 3.4kg (7.4lbs) approx
Accessories	Included Rack ears, power cord
Product Dimensions	43.64cm x 18.30cm x 4.36cm (17.18" x 7.20" x 1.72") W, D, H
Product Weight	2.5kg (5.5lbs) approx
Shipping Dimensions	53.00cm x 33.00cm x 10.70cm (20.87" x 12.99" x 4.21") W, D, H

Shipping Weight	3.4kg (7.4lbs) approx

