MTX3-44-HSA

4x4 4K60 4:4:4 HDMI+Audio Seamless Matrix Switcher

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



MTX3−44−HSA is a high−quality scaler−based matrix with four HDMI inputs independently routable to four HDMI outputs. The video scaling processor provides a seamless switching experience. Each HDMI output supports down− or up−scaling to account for sink / source capability differences. The integrated audio matrix – with two analog audio inputs and two analog audio outputs – supports routing of any digital or analog audio source to sink including ARC (Audio Return Channel) sources

FEATURES

Flexible and Safe Matrix Routing - Seamless, ultra−fast switching transitions, for unsurpassed end−user presentation experience

HDMI Signal Switching - HDCP 2.3 and HDMI 2.0b compliant

OSD - Displays a convenient OSD (On−Screen−Display) INFO screen, showing the unit's IP settings, firmware version, video information, etc

IP Gateway support - CEC control messages to sinks or sources 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

Audio Embedding and De-embedding - The unit includes 2 analog balanced stereo inputs and 2 analog balanced stereo outputs for flexible integration with professional audio systems, such as amplifiers, audio processors, and powered speakers

Auto-Output Shutdown - When no input signal is detected for an output, after a time period, the system automatically send a CEC command and shuts down the output display. When the input signal returns, the display is turned on once again

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

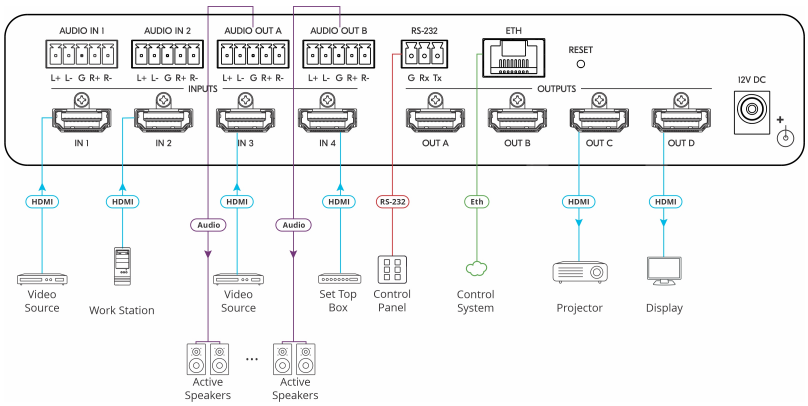
- Simple and intuitive front−panel backlit buttons allow operating the device manually

Compact size and easy to install - 1/2 19" enclosure for rack mounting in a half−1U rack space with included rack ears

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

TECHNICAL SPECIFICATIONS

Inputs	4 HDMI: On female HDMI connectors
Input	2 Stereo analog balanced audio inputs On terminal–block connectors
	2 Stereo analog balanced audio outputs On terminal–block connectors
Outputs	4 HDMI: On female HDMI connectors
Ports	1 RS–232: On a 3–pin terminal block connector for device control
	1 Ethernet: On an RJ–45 female connector for device control and management
Video	Max. Resolutions: 4K@60Hz (4:4:4)
	Max Data Rate 18Gbps bandwidth (6Gbps per graphic channel)
	Max video processing bandwidth: 50 Gbps
	Compliance HDMI 2.0b; HDCP 2.3
	Max Switching Time: Seamless (<1 second msec transitions)
Audio	Audio-Follow-Video Routing: Embedding/de−embedding support on Inputs 1 & 2 / Outputs A & B
Control	Front Panel Buttons with integrated LEDs for routing and device control
Power	Source: 12 VDC
	Max. Consumption: 30W
	Heat Dissipation 99.69 BTU/hr
Enclosure	Size half−19", 1U
	Type Aluminum
	Cooling FAN ventilation
	Max. Noise <40dBA
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): 21.46cm x 16.3cm x 4.36cm (8.4" x 6.4" x 1.7")
	Shipping Dimensions (W, D, H) 39.4cm x 29.6cm x 9.1cm (15.5” x 11.6” x 3.5”)
	Net Weight 1.29kg (2.8lbs) approx
	Shipping Weight 1.84kg (4lbs) approx
Product Dimensions	21.46cm x 16.30cm x 4.36cm (8.45" x 6.42" x 1.72") W, D, H
Product Weight	1.3kg (2.8lbs) approx
Shipping Dimensions	39.40cm x 29.60cm x 9.10cm (15.51" x 11.65" x 3.58") W, D, H
Shipping Weight	1.8kg (4.1lbs) approx


AUDIO IN 1
AUDIO IN 2
AUDIO OUT A
AUDIO OUT B
RS-232
ETH
RESET
L+ L- G R+ R-
G Rx Tx
INPUTS
OUTPUTS
12V DC
IN 1
IN 2
IN 3
IN 4
OUT A
OUT B
OUT C
OUT D
HDMI
Audio
RS-232
Eth
Video Source
Work Station
Video Source
Set Top Box
Control Panel
Control System
Projector
Display
Active Speakers
Active Speakers