

# MMA10G-TRS4K-2D

Standalone 4K/60 Dual HDMI Gateway w/ Dolby® and DTS® Decode



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Evertz' MMA-10G is a network-based AV distribution solution constructed using Evertz' award winning SDVN (Software Defined Video Network) architecture. MMA-10G utilizes a highly reliable 10GE infrastructure for routing video and audio and offers unprecedented scalability and reliability.



## Key Features

- Two HDMI 2.0a inputs and outputs (software defined)
- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling
- Dolby® and DTS® complex audio decoding capabilities
- Ultra low latency transport over 10GE links
- Customizable EDID tables
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol
- Web-based configuration



## Complex Consumer Audio Decoder

The MMA10G-TRS4K-2D can take up to two inbound complex consumer Dolby/DTS audio streams, decode them to discrete audio channels, and then down-mix to stereo pairs. Subsequently, the down-mixed audio and/or original complex audio can be transported over the IP network or output locally via the MMA10G-TRS4K-2D's analog audio or S/PDIF audio outputs. Supported audio codecs include Dolby Digital®/AC-3, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS®, DTS-ES, DTS-HD High Res, DTS-HD Master Audio, and DTS:X.

## Fully Integrated with Evertz' MAGNUM-AV Controller

MMA10G-TRS4K-2D is a managed element of the MMA-10G network which is controlled by MAGNUM-AV. MAGNUM-AV simplifies management and control over the system and allows for simple user control using EvertzAV's virtual control panels and touch friendly graphical user interfaces (VUE) or via third-party control systems.

## Standalone 4K Gateway

The MMA10G-TRS4K-2D standalone 10GE gateway accepts up to two HDMI inputs or provides up to two HDMI outputs (software defined), in addition to audio and USB HID. The MMA10G-TRS4K-2D is a standalone device which is compact and quiet and can be installed in various in-room locations, including behind monitors, under/inside desks and lecterns, and floor boxes.

## Live AV Transport

Using 10Gbps Ethernet the MMA10G-TRS4K-2D encapsulates video, audio, USB HID, and Ethernet control data at the same time. The MMA10G-TRS4K-2D supports up to two HDMI 2.0a 4K (up to 4096x2160p @ 60 Hz, 4:4:4 color sampling) inputs or outputs (software defined) and transports them with ultra low latency over its 10GE links.

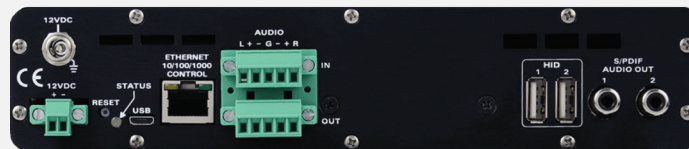
## Remote Monitoring

The MMA10G-TRS4K-2D can be remotely monitored via the SNMP protocol using Evertz' award winning VistaLINK Pro NMS software suite. VistaLINK allows a single user from a single workstation complete visibility into the operation of the MMA-10G ecosystem. Users can prevent issues from becoming outages quickly and easily using Evertz' VistaLINK Pro.

Front



Rear



av.evertz.com

Contents Subject to Change  
Rev. 01

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# MMA10G-TRS4K-2D

Standalone 4K/60 Dual HDMI Gateway w/ Dolby® and DTS® Decode



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## Specifications

Video Inputs	2 HDMI 2.0a (software defined) 1 HDMI 2.0a Auxiliary to HDMI Input 2
Video Outputs	2 HDMI 2.0a (software defined)
Supported Resolutions	Up to 4096x2160p @ 60 Hz (4:4:4 color sampling)
Audio Inputs	1 stereo balanced analog (terminal header)
Audio Input Impedance	High impedance
Audio Input Level	Line level (+4dBu)
Audio Outputs	1 stereo balanced analog (terminal header) 2 S/PDIF
Audio Output Impedance	600 Ω
Audio Output Level	Line level (+4dBu)
USB	2 HID device ports (type A) 1 HID host port (micro type B)
Ethernet Transport	10/100/1000 BASE-T RJ45 Ethernet Port (IEEE 802.3)
Ethernet Connector	RJ45
10GE Outputs	2 SFP+ (see available accessories)
10G Redundancy	Yes
Output Scaling	Yes
HDMI Audio	LPCM (up to 8 channels) Passthrough and decode support for Dolby Digital®/AC-3, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS®, DTS-ES, DTS-HD High Res, DTS-HD Master Audio, DTS:X
SNMP Support	Yes
In-Band Control	Yes
Control System	MAGNUM-AV
Web-Based Configuration	Yes
Security Compliance	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings
DC Input Voltage	12VDC via supplied power adapter
Power Supply	100-240V / 47-63Hz AC input; 12VDC / 5A output
Power Consumption	30W
Operating Temperature	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)
Dimensions (H x W x D)	1.81 in x 8.25in x 6.56in (45.97mm x 209.55mm x 166.62mm)
Weight	32 oz (907.19 g)

## Ordering Information

MMA10G-TRS4K-2D	Standalone 4K/60 HDMI gateway; dual HDMI input or output, audio w/ Dolby and DTS decode, HID USB, and Ethernet
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## Available Accessories

MMA10G-SFP-TR85	SFP+, 10GE, 850nm, MMF, 50/125, LC/LC
MMA10G-SFP2-TR13	SFP+, 10GE, 1310nm, SMF, 9/125, LC/LC, 10Km
MMA10G-SFP-SFP-MM3	3m SFP+ to SFP+ fiber patch cable, 10GE, AOC, 850nm
3405PS-6HO	Six output primary and redundant auto-ranging power supply, 100V - 240V AC at 50/60Hz

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