

MMA10G-TRS4K-2A-HDMI

Standalone 4K/60 Dual HDMI Gateway w/ Dante™ Audio



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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
- Integrated Dante™ support for up to 32x32 simultaneous Dante audio streams
- Customizable EDID tables
- Ultra low latency transport over 10GE links
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol
- Web-based configuration



Standalone 4K Gateway

Using 10Gbps Ethernet, the MMA10G-TRS4K-2A-HDMI encapsulates video, audio, USB HID, and Ethernet control data at the same time. The MMA10G-TRS4K-2A-HDMI supports up to two HDMI 2.0a (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. The MMA10G-TRS4K-2A-HDMI 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.

Integrated 32x32 Dante Audio Module

In addition to its HDMI, analog, and S/PDIF audio capabilities, the MMA10G-TRS4K-2A-HDMI supports Dante audio, facilitating up to 32x32 simultaneous Dante audio streams. This allows for local HDMI-embedded or remote IP-ingested audio streams to be routed as Dante audio or vice versa (i.e. Dante audio streams to be routed to the local HDMI output port or transported via IP to remote destinations).

Fully integrated with EvertzAV's MAGNUM-AV Controller

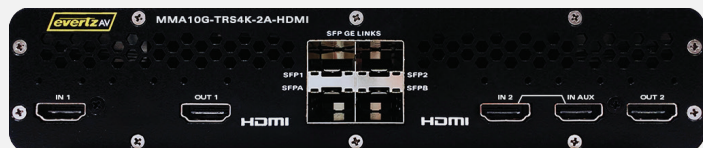
The MMA10G-TRS4K-2A-HDMI is a managed element of the MMA-10G network which is controlled by MAGNUM-AV. MAGNUM-AV simplifies management and control over the system and allows for simple user control using EvertzAV's virtual control panels and touch friendly graphical user interfaces (VUE) or via third-party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

Remote Monitoring

The MMA10G-TRS4K-2A-HDMI 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



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Contents Subject to Change
Rev. 02

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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)
Dante Audio	Supports 32x32 simultaneous Dante audiostreams
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/HID	2 HID device ports (type A) 1 HID host port (micro type B)
Control Port (Out-of-Band)	10/100/1000 BASE -T RJ45 Ethernet Port (IEEE 802.3)
Transport Port	2x SFP+ cages (see available accessories)
10G Redundancy	Yes
Output Scaling	Yes
HDMI Audio	LPCM (up to 8 channels) Passthrough 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
OSD Support	No
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	TBD
Operating Temperature	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)
Dimensions (H x W x D)	1.81in x 8.25in x 6.56in (45.97mm x 209.55mm x 166.62mm)
Weight	39.40 oz (1117 g)

Ordering Information

MMA10G-TRS4K-2A-HDMI	Standalone 4K/60 dual HDMI gateway with Dante Audio: dual HDMI input or output, analog audio, Ethernet, and USB HID
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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, 10Kkm
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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