

MMA10G-TRS4K-2A-HDMI

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



CONNECT. COLLABORATE. SHARE RESOURCES. MANAGE.

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
- IPMX certified with support for JPEG-XS, AES67, PTP, and more
- 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



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

be routed to the local HDMI output port or transported via IP to remote destinations).

IPMX – Bringing ProAV and Broadcast Closer Together

The MMA10G-TRS4K-2A-HDMI is a gateway that conforms to the emerging AV-over-IP open standard IPMX and, as such, complies with the suite of



standards detailed in SMPTE ST 2110 and supports features such as JPEG-XS, AES67, and PTP. EvertzAV's line of IPMX certified gateways provide synchronized, real-time broadcast-quality AV over IP while ensuring the ProAV interoperability requirements of today **and** tomorrow are met.

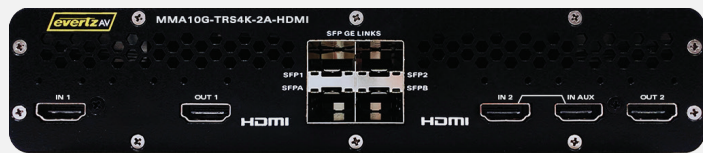
Fully integrated with EvertzAV's MAGNUM-AV Controller

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.

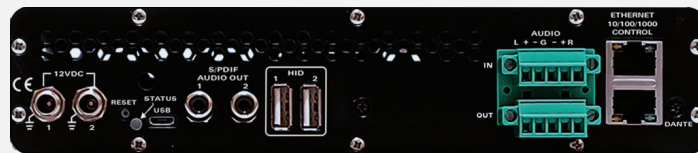
Remote Monitoring

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



av.evertz.com

Contents Subject to Change
Rev. 03

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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 IPMX certified 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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