

# MMA10G-RS4K-4/MMA10G-RS4K-4U

## Standalone 4K/60 Quad Image Processor/Receiver



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



- Supports four HDMI 2.0a inputs or four network transport inputs and two configurable HDMI 2.0a quad output
- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling
- Select from up to four input videos and independently arrange and output on two separate 4K60 videos (with optional alpha blending)
- 16 predefined layout presets as well as manual layout mode
- Ultra low latency transport over 10GE links
- Customizable EDID tables
- Web-based configuration
- 5 USB 2.0 ports available on MMA10G-RS4K-4U

scale and arrange the layout of the video sources, and then output to a 4K60 raster (with optional alpha blending on the video source windows if desired). Video sources can be chosen using either the four local HDMI 2.0a 4K inputs (up to 4096x2160p @ 60 Hz, 4:4:4 color sampling) or via four network transport sources. 16 predefined preset display layouts are available to choose from or you can customize your own layout using manual mode.

### Advanced HDMI 2.0a Interfaces

The MMA10G-RS4K-4 has four advanced HDMI 2.0a inputs and two HDMI 2.0a outputs. The MMA10G-RS4K-4's quad display functionality is applicable to each HDMI output independently. Customizable EDID tables and scaling on the output paths insure the smoothest handoff between sources and sinks.

### Standalone 4K Quad Image Processor/Receiver

The MMA10G-RS4K-4 standalone quad image processor/receiver encompasses four HDMI inputs and two HDMI outputs, in addition to its audio, USB HID, and (with the MMA10G-RS4K-4U version) USB 2.0 ports and a USB Host port. The MMA10G-RS4K-4 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.

### Unique Quad Display Functionality

The MMA10G-RS4K-4 is a versatile gateway that encapsulates video, audio, USB HID, Ethernet control data, and for the -4U version, USB 2.0 data at the same time. The MMA10G-RS4K-4's quad display functionality allows you to select up to four video sources, individually

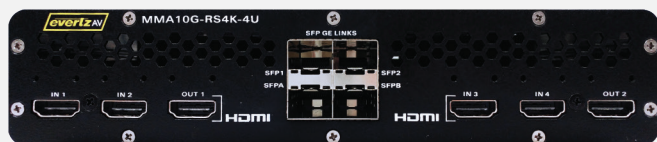
### Fully integrated with Evertz' MAGNUM-AV Controller

The MMA10G-RS4K-4 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.

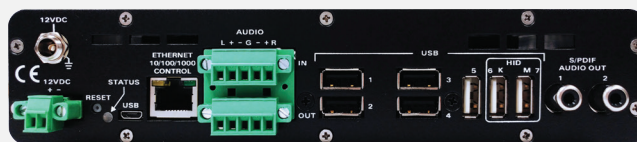
### Remote Monitoring

The MMA10G-RS4K-4 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



MMA10G-RS4K-4U Shown



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Contents Subject to Change  
Rev. 02

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# MMA10G-RS4K-4/MMA10G-RS4K-4U

## Standalone 4K/60 Quad Image Processor/Receiver



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### Specifications

	MMA10G-RS4K-4	MMA10G-RS4K-4U
Video Inputs	4 HDMI 2.0a	4 HDMI 2.0a
Video Outputs	2 HDMI 2.0a	2 HDMI 2.0a
Supported Resolutions	Up to 4096x2160p @ 60 Hz (4:4:4 color sampling)	Up to 4096x2160p @ 60 Hz (4:4:4 color sampling)
Audio Inputs	1 stereo balanced analog (terminal header)	1 stereo balanced analog (terminal header)
Audio Input Impedance	High impedance	High impedance
Audio Input Level	Line level (+4dBu)	Line level (+4dBu)
Audio Outputs	1 stereo balanced analog (terminal header) 2 S/PDIF	1 stereo balanced analog (terminal header) 2 S/PDIF
Audio Output Impedance	600 $\Omega$	600 $\Omega$
Audio Output Level	Line level (+4dBu)	Line level (+4dBu)
USB	2 HID device ports (type A) 1 HID host port (micro type B)	2 HID device ports (type A) 1 HID/USB host port (micro type B) 5 USB 2.0 ports (type A)
Ethernet Transport	10/100/1000 BASE-T RJ45 Ethernet Port (IEEE 802.3)	10/100/1000 BASE-T RJ45 Ethernet Port (IEEE 802.3)
Ethernet Connector	RJ45	RJ45
10GE Inputs/Outputs	4 SFP+/2 SFP+ (see available accessories)	4 SFP+/2 SFP+ (see available accessories)
10G Redundancy	Yes	Yes
Output Scaling	Yes	Yes
Output Alpha Blending Support	Yes	Yes
HDMI Audio	LPCM (up to 8 channels) Passthrough support for Dolby Digital <sup>®</sup> /AC-3, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS <sup>®</sup> , DTS-ES, DTS-HD High Res, DTS-HD Master Audio, DTS:X	LPCM (up to 8 channels) Passthrough support for Dolby Digital <sup>®</sup> /AC-3, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS <sup>®</sup> , DTS-ES, DTS-HD High Res, DTS-HD Master Audio, DTS:X
SNMP Support	Yes	Yes
In-Band Control	Yes	Yes
Control System	MAGNUM-AV	MAGNUM-AV
Web-Based Configuration	Yes	Yes
Security Compliance	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG)	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG)
DC Input Voltage	12VDC via supplied power adapter	12VDC via supplied power adapter
Power Supply	110-220V / 50-60Hz AC input; 12VDC / 11.5A output	110-220V / 50-60Hz AC input; 12VDC / 11.5A output
Power Consumption	80W	80W
Operating Temperature	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)	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)	1.81in x 8.25in x 6.56in (45.97mm x 209.55mm x 166.62mm)
Weight	42.26 oz (1198g)	42.26 oz (1198g)

### Ordering Information

MMA10G-RS4K-4	Standalone 4K/60 quad display processor/receiver: either 4 HDMI inputs or 4 transport inputs, 2 HDMI outputs, audio, Ethernet, and HID USB
MMA10G-RS4K-4U	Standalone 4K/60 quad display processor/receiver: either 4 HDMI inputs or 4 transport inputs, 2 HDMI outputs, audio, Ethernet, HID USB, and USB 2.0 Host and Device

### 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

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