

# MMA10G-VIP

## Advanced Multi-Image Display Processor

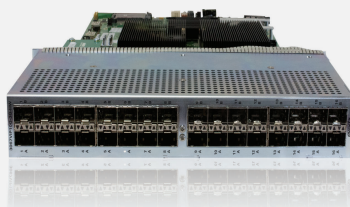


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Evertz' MMA-10G is a network-based AV distribution solution constructed using Evertz' award winning SDVN (Software Defined Video Network) architecture. MMA-10G utilizes a highly reliable 10GE infrastructure for routing video and audio and offers unprecedented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



The MMA10G-VIP offers multiview functionality with 4 to 32 inputs and 1 to 8 outputs (based on ordering options) all via 10G streaming physical interfaces. The MMA10G-VIP displays inputs at any size, aspect ratio, and position. The MMA10G-VIP device accepts uncompressed video over 10G multiple links as sources; and outputs mosaic uncompressed and JPEG2000 (optional) encoded signals over IP.



web server interface. Layout creation can be performed in a live control environment using MAGNUM's built-in web tools.

### High Video Quality

The MMA10G-VIP provides the best quality input reproduction employing the latest in video processing technology developed by EvertzAV. It supports output display resolutions of up to WUXGA (1920x1200) and full screen views of any input on an output (optional licenses allow for resolution support of up to 4K/60).

### Designed for Performance

The MMA10G-VIP is a hot-swappable device which can be populated in an Evertz EMX6-FR, EMX3-FR, or EMX1-FR frame with an option for redundant power supplies. The MMA10G-VIP integrates into a very flexible infrastructure to harness the many advantages provided by high bandwidth 10GE connectivity. The VIP provides support for dynamic under monitor displays and tallies from routers and switchers.

### Intuitive Control and Configuration

The MMA10G-VIP is VistaLINK enabled, offering remote monitoring, control, and configuration capabilities via SNMP (Simple Network Management Protocol). The MMA10G-VIP is easily configurable via a

MMA10G-VIP



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Rev. 02

North America AV Sales  
[avsales@evertz.com](mailto:avsales@evertz.com)  
+1 905-335-3700

International AV Sales  
[avsales-int@evertz.com](mailto:avsales-int@evertz.com)  
+1 905-335-3700

# MMA10G-VIP

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### Specifications

Input Format	Uncompressed 3G/HD/SD over 10GE (optional: JPEG2000 over 10GE)
Output Format	Uncompressed 3G/HD/SD over 10GE (optional: JPEG2000 over 10GE)
Maximum Input Resolutions	1080p @ 60 Hz (MMA10G-VIP32X2+2K60 and MMA10G-VIP16X2+2K60) 2160p @ 30 Hz (MMA10G-VIP32X2+4K30 and MMA10G-VIP16X2+4K30) 2160p @ 60 Hz (MMA10G-VIP32X2+4K60 and MMA10G-VIP16X2+4K60)
10GE Ports	32 SFP+ cages: 16 main, 16 redundant (see available accessories)
Slots	2 slots of EMR frame
DC Input Voltage	+12VDC
Power Consumption	135 W
Operating Temperature	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)

### Ordering Information

MMA10G-VIP-16x2+2K60	Advanced multi-image display processor w/ 10GE interface: up to 16 inputs can be displayed on 2 outputs (max output resolution 2K/60)
MMA10G-VIP-16x2+4K30	Advanced multi-image display processor w/ 10GE interface: up to 8 inputs can be displayed on 2 outputs (max output resolution 4K/30)
MMA10G-VIP-16x2+4K60	Advanced multi-image display processor w/ 10GE interface: up to 4 inputs can be displayed on 1 output (max output resolution 4K/60)
MMA10G-VIP-32x2+2K60	Advanced multi-image display processor w/ 10GE interface: up to 32 inputs can be displayed on 2 outputs (max output resolution 2K/60)
MMA10G-VIP-32x2+4K30	Advanced multi-image display processor w/ 10GE interface: up to 16 inputs can be displayed on 2 outputs (max output resolution 4K/30)
MMA10G-VIP-32x2+4K60	Advanced multi-image display processor w/ 10GE interface: up to 8 inputs can be displayed on 2 outputs (max output resolution 4K/60)

### Ordering Options

+FK2OUT	Adds two additional display outputs to a VIP Applicable to the MMA10G-VIP16x2+2K60, MMA10G-VIP32x2+2K60, and MMA10G-VIP32x2+4K30 only
+FK2OUT+FK2OUT	Adds four additional display outputs to a VIP Applicable to the MMA10G-VIP32x2+2K60 only
+FK2OUT+FK2OUT+FK2OUT	Adds six additional display outputs to a VIP Applicable to the MMA10G-VIP32x2+2K60 only
+J2KE	Mirrored J2K output Applicable to the MMA10G-VIP16x2+2K60 and MMA10G-VIP32x2+2K60 only
+FK2OUT+J2KE	Adds two additional display outputs to a VIP plus J2K-mirrored copies of outputs 1 and 2. Applicable to the MMA10G-VIP16x2+2K60 and MMA10G-VIP32x2+2K60 only
+FK2OUT +FK2OUT+J2KE	Adds four additional display outputs to a VIP plus J2K-mirrored copies of outputs 1 and 2. Applicable to the MMA10G-VIP32x2+2K60 only
+FK2OUT+FK2OUT+FK2OUT+J2KE	Adds six additional display outputs to a VIP plus J2K-mirrored copies of outputs 1 and 2. Applicable to the MMA10G-VIP32x2+2K60 only

### Available Accessories

EMX1-FR	1RU frame (2 slots), requires FC
+PS	Redundant PS for EMX1-FR
EMX3-FR	3RU frame (5 slots), requires FC
+PS	Redundant PS for EMX3-FR
EMX6-FR	6RU frame (15 slots), requires FC
EMX6-PS	Redundant PS for EMX6-FR
EMX-FC	Frame controller for all EMX frames
MMA10G-SFP-1G	SFP+ 1GE
MMA10G-SFP-TR85	SFP+, 10GE, 850nm, MMF, 50/125, LC/LC
MMA10G-SFP-TR13	SFP+, 10GE, 1310nm, SMF, 9/125, LC/LC, 10Knm

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