

MMA10G-IPGM-6 Modular Bi-Directional SDI Gateway



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

- Six 3Gbps capable SDI (DIN) inputs
- Six 3Gbps capable SDI (DIN) outputs
- SMPTE 2048-2, 296M, 274M, and 259M resolution support
- High-quality output scaling and frame sync
- Support for embedding and de-embedding SDI audio
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol
- Web-based configuration



audio from the MMA-10G switch core. The MMA10G-IPGM-6 is fully compatible with all other gateways and pooled resources used in EvertzAV's MMA-10G ecosystem.

3Gbps SDI Interface

The MMA10G-IPGM-6 supports multiple resolutions within the SMPTE 2048-2, 296M, 274M, and 259M standards. Support for de-embedding and embedding audio is also possible using the MMA10G-IPGM-6.

High-Quality Scaling and Frame Sync

EvertzAV's MMA10G-IPGM-6 offers the ability to scale the inbound video from the 10GE link to match the resolution required for the SDI output. The MMA10G-IPGM-6 employs Evertz' latest in scaling technology with high quality algorithms providing the best picture quality possible. The MMA10G-IPGM-6 also supports frame sync capabilities that can be locked to genlock.

Modular SDI Gateway

The MMA10G-IPGM-6 provides a bulk SDI gateway for both capturing and providing SDI video signals. The MMA10G-IPGM-6 offers up to six 3Gbps capable SDI inputs and six 3Gbps capable SDI outputs using two 10GE ports. What makes the IPGM-6 unique is its built-in scaling capability, allowing the IPGM-6 to convert any resolution input or output to the correct SMPTE raster size required.

Remote Monitoring

The MMA10G-IPGM-6 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.

Reliable AV Transport

Using 10Gbps Ethernet the MMA10G-IPGM-6 simultaneously encapsulates and de-encapsulates SDI video with embedded

MMA10G-IPGM-6



av.evertz.com

Contents Subject to Change
Rev. 04

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MMA10G-IPGM-6

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Specifications

Video Inputs	6 SDI (DIN)
Video Outputs	6 SDI (DIN)
Supported Resolutions	<p>SMPTE 259M:</p> <ul style="list-style-type: none"> 525i, 626i <p>SMPTE 296M, Y'CbCr 4:2:2, 10-bit:</p> <ul style="list-style-type: none"> 720p24, 720p24/1.001, 720p25, 720p30, 720p30/1.001, 720p50, 720p60, 720p60/1.001 <p>SMPTE 274M, Y'CbCr 4:2:2, 10-bit:</p> <ul style="list-style-type: none"> 1080i50, 1080i60, 1080i60/1.001 1080sF24, 1080sF24/1.001, 1080sF25, 1080sF30, 1080sF30/1.001 1080p24, 1080p24/1.001, 1080p25, 1080p30, 1080p30/1.001 1080p50, 1080p60, 1080p60/1.001 <p>SMPTE 2048-2, Y'CbCr 4:2:2, 10-bit:</p> <ul style="list-style-type: none"> 2K1080i50, 2K1080i60, 2K1080i60/1.001 2K1080p24, 2K1080p24/1.001, 2K1080p25, 2K1080p30*, 2K1080p30/1.001* 2K1080p50, 2K1080p60, 2K1080p60/1.001 <p>*Supports only two groups of audio due to narrow Horizontal Ancillary (HANC) data space.</p>
10GE Ports	2 SFP+ (see available accessories)
Output Scaling	Yes
SDI Audio	Yes
SNMP Support	Yes
Control System	MAGNUM-AV
In-Band Control	Yes
Security Compliance	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings
Modular Design	7800 series device, installed in 7800FR
Slots	2
DC Input Voltage	12VDC provided by frame
Power Consumption	40W
Operating Temperature	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)

Ordering Information

MMA10G-IPGM-6	Modular bi-directional SDI gateway with high quality scaling functionality
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Available Accessories

7800FR-QT	Modular quiet frame, 3RU, 15 slots, dual PS
7801FR	Modular frame, 1RU, 4 slots, dual PS
7800FC	Modular frame controller for 3RU (required for control)
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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