DMG1200

IP/ASI Transport Stream Gateway

OVERVIEW

The DMG 1200 family is a series of high-density transport stream gateways for IP and ASI applications. Featuring up to four gigabit Ethernet interfaces and sixteen ASI ports, the DMG 1200 family is ideal for solving the interconnection problems operators face in today's evolving video delivery environment.

APPLICATIONS

- **Dense IP to ASI / ASI to IP Conversion**
  Up to 16 Channels per 1RU

- **IP Network Filtering/Bridging**
  Retransmission of up to 32 streams on a seperate physical network, on different multicast groups

- **Multicast to Unicast Conversion**
  Re-encasuplation of an MPEG transport stream from unicast to multicast or multicast to unicast.

KEY FEATURES

- Reliably connect legacy ASI devices to IP networks

- Up to two independent platforms in 1RU, each featuring:

  - √ Two Gigabit Ethernet ports for MPEG TS I/O

  - √ Four bi-directional ASI I/O ports

  - √ Four directional ASI ports (either inputs or outputs)

- Hot-swappable, redundant, load-sharing power supplies

- Easy-to-use web interface

- Full control, status, and alarm monitoring via SNMP

SPECIFICATIONS

ASI INPUTS AND OUTPUTS

Connector:	Up to 8x BNCs per Platform (Up to two platforms in 1RU)
Impedance:	75Ω
Packet format:	188 bytes per packet
TS Bitrate:	500 Kbps to 213 Mbps
Output TS Type:	SPTS or MPTS (follows input)

IP INPUTS AND OUTPUTS

Connector Type:	2x RJ45 10/100/1000 per Platform (Up to two platforms in 1RU)
Input Formats:	UDP or RTP
Output Format:	UDP
IP Encapsulation:	1 to 7 TS packets per IP packet
Addressing:	Unicast and Multicast
IGMP compatibility:	Version 1, 2 & 3
Per TS Bitrate:	500 Kbps to 213 Mbps
Output TS Type:	SPTS or MPTS (follows input)

MANAGEMENT

Connector:	RJ-45 10/100 - Auto Negotiating
Protocols:	HTTP and SNMP
User Interfaces:	Full control via web GUI Basic setup/status via front panel
Automation Interfaces:	Full status and control via SNMP SNMP traps on alarms Web services access to main GUI

DIMENSIONS/POWER

Height:	1 RU, 1.75" (5cm)
Width:	17.4" (44.2 cm)
Depth:	23" (58 cm)
Power:	100-240 VAC 50/60 Hz -48 VDC supply available
Supply Type:	Dual, hot-swappable, redundant load sharing power supplies

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