

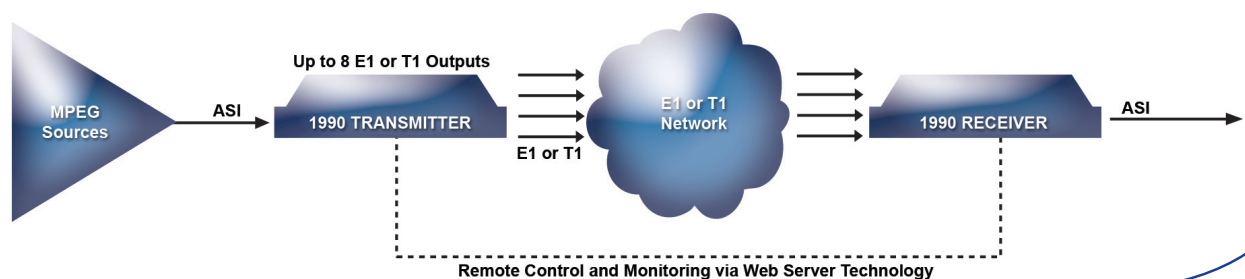
INVERSE MULTIPLEXER



Inverse Multiplexer - FEATURES and BENEFITS

- Reduce Operating costs when transport bandwidths and available telecom bandwidths are not compatible.
- Very fast Return on Investment (ROI) by conditioning a single DVB ASI stream ready for transmission over a number of E1/T1 links
- Tailor your bandwidth provisioning to meet your bandwidth requirements by utilizing up to eight separate E1 (2.048Mb/s) or T1 (1.544Mb/s) circuits
- Interactivity and Automatic Configuration are key features of the I-MUX system. The units all have a front panel keyboard interface and contact relays for external control and monitoring. This is truly a plug and play device with automatic configuration settings.
- The proven flexibility and reliability of this unit is underlined by the fact that it offers additional remote control / monitoring from the Web Server and totally automatically sensing configuration. Put simply, the unit allows the user to reduce their operating costs considerably by using only the bandwidth that is required.
- This system provides programme integrity by offering two levels of Reed-Solomon forward error correction.
- Contact A•R•G to find how we can help you to make the most of your broadcast transport network.

APPLICATION



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Versions Available

Error Correction	4 Byte RS FEC	16 Byte RS FEC
MPEG Payload per E1 link	1.97 Mb/s	1.85 Mb/s
Maximum MPEG Payload per E1 System (8 links)	15.76 Mb/s	14.8 Mb/s
MPEG Payload per T1 link	1.48 Mb/s	1.40 Mb/s
Maximum MPEG Payload per T1 System (8 links)	11.84 Mb/s	11.2 Mb/s

Technical Specifications

MPEG Interface

DVB ASI Compliant
ASI formats supported: 188, 204 PAD/RS

E1/T1 Circuit Interface

Complies with ITU-T G.703
Jitter compliance: ITU-T G.823
Impedance: 75 ohm unbalanced
120 ohm balanced

System

Maximum number of E1/T1 links: 8
Maximum delay variance between links : 64ms

System Error Correction

Reed-Solomon FEC, standard 4 Byte format
16 Byte as a factory fitted option

Management and Control

Front panel interface for local control
Monitoring is provided via connectors on the rear panel

Mechanical

Height: 43.6mm (1U)
Width: 482.6mm (19")
Depth: 383mm (15") incl. connectors
Weight: 5.6kg (12.3lbs) (depending on modules fitted)

Power Supply

Dual supply, single phase auto-ranging
Choice of: 100-240VAC (50-60Hz)
or: 48V DC (factory fitted option)

Environmental

Operating temperature: 0°C to 40°C
Storage temperature: -5°C to 70°C