

FEATURES

- ▷ 24 Bit Audio
- ▷ Flat from 20-20k Hz
- ▷ s/n > 90db
- ▷ 9600 Baud Data(RS232/422/485*)
- ▷ Single fiber operation
- ▷ ST, SC, FC or LC
- ▷ Throw-down or rack
- ▷ Three year warranty

APPLICATIONS

- ▷ Studio Links
- ▷ STL Links
- ▷ Advertising signage
- ▷ Sporting and concert video displays
- ▷ Intelligent transportation systems
- ▷ CATV head ends
- ▷ Telco circuits
- ▷ Back-haul feeds

High Quality 24-Bit Analog Audio and Data. Bi-Directional Single or Multimode. Small footprint. No Compromising.



DAM-2500 Front Panel



DAM-2500 Rear Panel

The DAM-2500 series of analog audio, data and tally multiplexers for broadcast applications have played instrumental roles in signal distribution over fiber for nearly 20 years. With industry leading performance that is backed up by our 3 year warranty, each module set provides a different arsenal of signals so that you can get only the features that best fit your needs without paying for things that you don't need.

There's no compromising on audio quality. Each channel is sampled at 24-bit and has a flat response from 20-20KHz and s/n rating in excess of 90db. Choose either our convenient "diving board" terminal strip breakouts or XLR adapter cables for audio and data pin access.

For the data transport, there is 9600 baud support of

duplex and/or simplex RS232, 422 and 485. Note that 485 supports single point-to-point only.

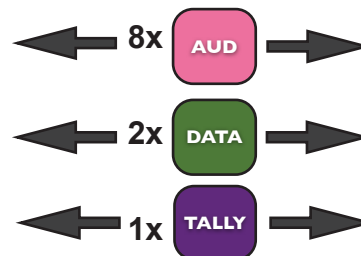
Each module set will operate on just a single fiber on singlemode or multimode fiber and with the optical connector of your choice (ST, SC, FC or LC). If required, these systems can be fitted with CWDM lasers to facilitate the optical multiplexing of multiple systems onto one fiber.

Units can be used as single "throw-down" modules or rack mounted three per 1 RU with our convenient rack kits

The DAM-2500 Series. Serious transport for all of your analog audio signals.

Designed and manufactured in New York.

BLOCK DIAGRAM



ORDERING INFORMATION

Part #	Description
DAM-2500-FMX-35S-ST	Two-way Fiber Optic Transceiver: 8 Audio, 2 Data (RS232/422), 1310nm/1550nm, 1 fiber, ST connector
DAM-2500-FMX-53S-ST	Two-way Fiber Optic Transceiver: 8 Audio, 2 Data (RS232/422), 1550nm/1310nm, 1 fiber, ST connector

TECHNICAL SPECIFICATIONS

Analog Audio

S/N	>90db
Frequency Response	< +/-0.1db (20Hz - 20kHz)
Distortion	< 0.05%
Max I/O Level	+18 dBu
Impedance In Balanced	600 Ohms or High
Impedance Out (bal)	50 Ohms

Serial Data

232,422,485*	DC-9600 Baud
232 In V	+/- 25V max, 2V min
232 Out V	+/- 5V @ 3Kohm
422,485* In V	-7V to 12V, 0.2V diff min
GPI/GPO	Normally Open, Form 1 SPST

Electro-Optical

Operating Wavelengths	850 and 1271-1591nm
TX Laser output power	0 to +7dBm, Class 1
Receiver Sensitivity	up to -28 dBm
Fiber Compatibility	single or multimode
Optical Connector	ST, LC, FC, SC
Distance limit	10 km w/singlemode

Mechanical, Environmental

Dimensions (LxWxH)	5.5" x 6.75 x 1.75"
Weight	2 lbs.
Temperature Range	-0° to +50°C
Humidity Range	0 to 95% RH Noncondensing
Power Input	DIN (+5 and +/- 12 VDC)
Power rating, nominal	50w max@14 VDC
Power draw	<15w

*RS-485 supported only for point-to point applications

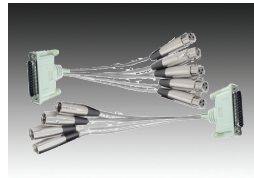
DAM ACCESSORIES:



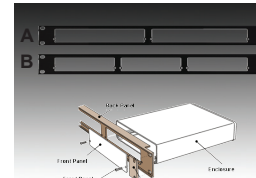
DVM PS
Triple-voltage power supply



DVMAUDIO
"Diving Boards" Audio and Data screw terminal break-out adapter



XLR-DVM Cables
Breakout DB44 to XLR connectors



RM Rack-Mount Kits
For rack-mounting 1/3 and 1/2-wide modules in stationary environments (trucks, control rooms, etc.)



MC Assemblies
Tactical fiber optic cable assemblies, various connectors, lengths
(TAC1, TAC4, TAC6, TAC12 available)