DAM-2000 & DAM-2200
6 Channels of 24 Bit Audio Fiber Optic Multiplexer

- Exceeds **RS-250C Short-haul** and **Broadcast** specifications.

- **24 Bit Audio** flat from **20 to 20K Hz, S/N** greater than **90 dB** and **THD** less than **0.05%.**

- Audio and Optical front panel status indicators with dry alarm relay contacts.

- **Coarse Wave-division Multiplexing (CWDM)** systems are available for up to **8 wavelengths** over *ONE* **optical fiber**.

- **Optical budget** of up to **28 dB** for Single-mode.

- Supports **6 audio channels** and **3 RS-232 data channels** over **one optical fiber.**

- Universal AC operation for **85-265 VAC** and Telco DC operation for **48 VDC**.

- Available in **portable, rack-mount** and **modular configurations** with all optical wavelengths, **LED Multimode** and **Laser Single-mode.**

- **Now support analog video, analog audio, serial digital video and digital audio in the same tray.** The UTIL-200-DVM Tray supports the DVM-2200 Video, 6 Audio and 3 Data Transport Cards, the DTV-220/230 SDI Transport Cards, the DTV-201/210F SDI Fan-out and Reclocking Cards, the DAM-2200 6 Audio and 3 Data Transport Cards and the AES-2200 6 AES/EBU and 3 Data Transport Cards.

- Applications include links from **studio to transmitter (STL)**, **studio to studio**, **studio to CATV head-end**, **common carrier**, **RBOC Telco circuits**, distance learning, **Intelligent Transportation Systems** & back-haul feeds from special events.

MULTIDYNE
Video and Fiber Optic Systems

In the USA and Canada call **1-(800)-4TV-TEST**
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E-Mail: info@multidyne.com
Web Site: http://www.multidyne.com

SPECIFICATIONS

Audio Performance:

Signal to noise ....> 90 dB
Frequency response to **20 Hz to 20 KHz**...................................< +/- 0.1 dB
Distortion..< 0.05 %
Audio output level, adjustable ....Unity, +/- 6 dBm
Maximum input & output level, 600 Ohm termination ....+18 dBm
Audio output impedance, balanced..50 Ohms
Audio input impedance, balanced (selectable) ....600 Ohms or High
Data channels ....3 RS-232C at 9600 Baud
Delay, throughput..1.24 micro sec.
Power dissipation...< 15 Watts, per unit
AC operation ....110 or 220 VAC (optional 48VDC)
Operating temperature ....0 to +50 °C
Portable and Wall-mount:...7" L x 5 ¾" W x 1 ¾" H
Triple Rack-mount Kit for 3 modules (Part number -RMT):.............7" L x 19" W x 1 ¾" H

Specifications subject to change without notice.

ORDERING INFORMATION:

Stand-alone and Rack-mount:

DAM-2000-FTX-2, 24 Bit Audio and Data Fiber Optic Transmitter, 1300 nm Multimode with ST connector, stand-alone.
DAM-2000-FTX-50, 24 Bit Audio & Data Fiber Optic Transmitter, 1300 nm Single-mode with FC connector, stand-alone.
DAM-2000-FTX-6, 24 Bit Audio and Data Fiber Optic Transmitter, 1550 nm Single-mode with FC connector, stand-alone.
DAM-2000-FTX-7-xxxx, with DWDM 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm Single-mode Laser –8 dBm with FC connector
DAM-2000-FRX-2, 24 Bit Audio and Data Fiber Optic Receiver, Sensitivity –24 dBm, Multimode with ST connector, stand-alone.
DAM-2000-FRX-50, 24 Bit Audio and Data Fiber Optic Receiver, Sensitivity –28 dBm, Single-mode with FC connector, stand-alone.

Modular:

DAM-2200-FTX-2, 24 Bit Audio & Data Fiber Optic Transmitter, 1300 nm Multimode w/ ST connector, modular for UTIL-200-DAM Tray.
DAM-2200-FTX-50, 24 Bit Audio & Data Fiber Optic Transmitter, 1300nm Single-mode w/ FC connector, modular for UTIL-200-DAM Tray.
DAM-2200-FTX-6, 24 Bit Audio & Data Fiber Optic Transmitter, 1550nm Single-mode with FC connector, modular for UTIL-200-DAM Tray.
DAM-2200-FTX-7-xxxx, with DWDM 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm Single-mode Laser –8 dBm with FC connector.
DAM-2200-FRX-2, 24 Bit Audio & Data Fiber Optic Receiver, Sens. –24 dBm, Multimode with ST connector, modular for UTIL-200-DAM Tray.
DAM-2200-FRX-50, 24 Bit Audio & Data Fiber Optic Receiver, Sens. –28 dBm, Singlemode w/ FC connector, modular for UTIL-200-DAM Tray.

Options:

UTIL-200-DVM-2RU-AC, Analog, Digital & Fiber, 10 Slot, 2RU, Modular Utility Tray, w/ one 85-265 VAC Power Supply & Line Cord
PS-200-DVM-AC, Modular 85-265 VAC Power Supply & Line Cord for 200 series trays
UTIL-200-DVM-2RU-48VDC, Analog, Digital and Fiber, 10 Slot, 2 RU, Modular Utility Tray, with one 36-60 VDC Power Supply
PS-200-DVM-48VDC, Modular 36-60 VDC Power Supply for 200 series trays
-WDM-95, Wave Division Multiplexer, (ask about CWDM options)
-RMT, Triple Rack-mount Kit.
-BANK, Blank Panel.