



DAM-2000 and DAM-2200

6 Channel, 24 Bit, Audio Fiber Optic Multiplexer

- Supports **6 audio channels** and **3 Simplex RS-232 data channels** over **one optical fiber**.
- Exceeds **RS-250C Short-haul** and **Broadcast Video** specifications.
- **24 Bit Audio** flat from **20 to 20K Hz**, **S/N** greater than **90 dB** and **THD** less than **0.05%**.
- **Front panel audio gain controls**.
- Audio and Optical front panel status indicators with dry alarm relay contacts.
- Modular configurations with all optical wavelengths, **LED Multimode** and **Laser Single-mode**.
- **Coarse Wave-division Multiplexing (CWDM)** systems are available for up to **8 wavelengths** over **ONE** optical fiber.
- Available in **Stand-alone, Rack-mountable (DAM-2000)** and **Modular (DAM-2200)** configurations.
- **Optical budget** of up to **30 dB** for Single-mode.
- Universal AC operation for **85-265 VAC** and Telco DC operation for **48 VDC**.
- **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.



In the USA and Canada call **1-(800)-4TV-TEST**
 191 Forest Avenue, Locust Valley, NY 11560-2132 USA
 1-(800)-488-8378, (516)-671-7278, FAX (516)-671-3362
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
Power dissipation	< 15 Watts, per unit
AC operation	85 to 265 VAC (optional 48VDC)
Operating temperature	0 to +50 °C

Specifications subject to change without notice.

ORDERING INFORMATION:

DAM-2000-FTX-2, 6 Audio and Data Fiber Optic Transmitter, 1300 nm Multimode with ST connector, Stand-alone.
DAM-2000-FRX-2, 6 Audio and Data Fiber Optic Receiver, Multimode, Stand-alone.
DAM-2000-FTX-50, 6 Audio and Data Fiber Optic Transmitter, 1300 nm Single-mode with FC connector, Stand-alone.
DAM-2000-FTX-6, 6 Audio and Data Fiber Optic Transmitter, 1550 nm Single-mode with FC connector, Stand-alone.
DAM-2000-FTX-7-xxxx, 6 Audio and Data Fiber Optic Transmitter, CWDM 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm Single-mode Laser -8 dBm, FC connector, Stand-alone.
DAM-2000-FRX-50, 6 Audio and Data Fiber Optic Receiver, Singlemode, Stand-alone.
DAM-2200-FTX-2, 12 Bit Video, Audio and Data Fiber Optic Transmitter, 1300 nm Multimode with ST connector, modular for UTIL-200-DVM Tray.
DAM-2200-FRX-2, 6 Audio and Data Fiber Optic Receiver, Multimode, modular for UTIL-200-DVM Tray.
DAM-2200-FTX-50, 6 Audio and Data Fiber Optic Transmitter, 1300 nm Single-mode with FC connector, modular for UTIL-200-DVM Tray.
DAM-2200-FTX-6, 6 Audio and Data Fiber Optic Transmitter, 1550 nm Single-mode with FC connector, modular for UTIL-200-DVM Tray.
DAM-2200-FTX-7-xxxx, 6 Audio and Data Fiber Optic Transmitter, CWDM 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm Single-mode Laser -8 dBm, FC connector, modular for UTIL-200-DVM Tray.
DAM-2200-FRX-50, 6 Audio and Data Fiber Optic Receiver, Singlemode, modular for UTIL-200-DVM Tray.
UTIL-200-DVM-2RU-AC, Analog, Digital and Fiber, 10 Slot, 2RU, Modular Utility Tray, with 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

OPTIONS:

-WDM-95, Wave Division Multiplexer, (ask about DWDM options)
-RMT, Triple Rack-mount Kit for DAM-2000.
-BLANK, Panel Blanks for -RMT

Designed and manufactured in the U. S. A.



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