MultiDyne Video & Fiber Optic

FIBER OPTIC TRANSPORT

DVM-1000

1 Ch 9 Bit Video, 2 Ch 24 Bit Audio & 3 Ch Data, Fiber Optic Multiplexer

COMPATIBLE WITH: -RMT,-BLANK.

MADE IN U.S.A.

SUMMARY

-Supports 1 video, 2 audio and 3 RS-232 simplex data channels

-All digital processing.

-Video bandwidth 8 MHz with 64dB S/N;Signal to Quantizing Noise ratio of 64 dB, audio 20Hz to 20KHz with 90dB S/N.

-Video gain and 1000 ft cable equalization adjustments for input & output.

-Singlemode or multimode configurations.

-Differential Gain and Phase of 2% and 1°, respectively.

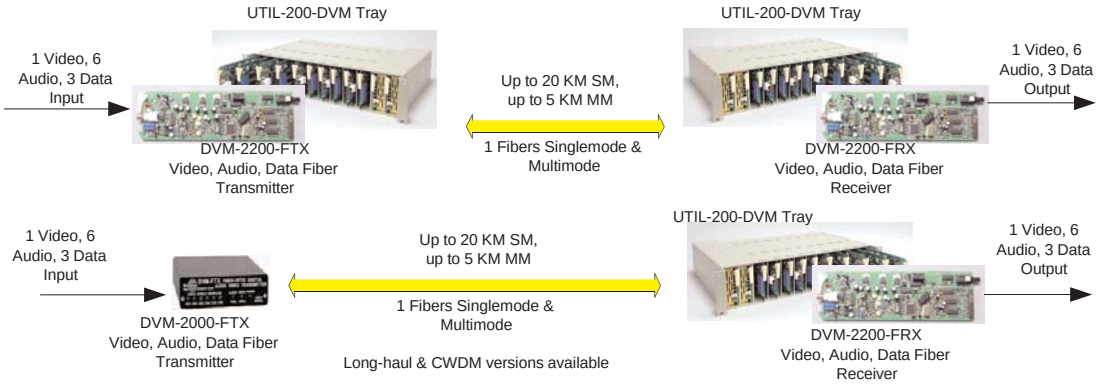
-Video, Audio and Optical front panel status indicators with dry alarm relay contacts.

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

-Support analog video, analog audio, serial digital video and digital audio in the same tray.

The DVM-2000 series is designed for applications that demand high quality video (9 bit), audio (24 bit) and data transmission over fiber. 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. This series supports NTSC, PAL, SECAM as well as video with diplexed audio carriers at 4.5MHz, 5.8 MHz and 6.4 MHz (Option for 10 MHz). The design features differential video and audio inputs that greatly reduce hum and noise.
The DVM-2000 is a compact unit designed for stand alone, wall mount or rack-mount applications, while the DVM-2200 modular card plugs into one of our UTIL-200-DVM series card trays for high density rack mounting. The UTIL-200-DVM card tray can also accommodate cards for other formats such as SDI, analog/AES digital audio and reclocking for maximum flexibility. Advanced CWDM technology is available which enables up to 8 units to be put on one strand of fiber.

APPLICATIONS



CONTACT

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1-(800) 488-8378
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MultiDyne

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Locust Valley, NY 11560-2132
E-Mail:sales@multidyne.com
Web Site: www.multidyne.com

SPECIFICATIONS

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Video Performance:

Signal to noise .....> 64 dB
Differential gain.....< +/- 2 %
Differential phase.....< +/- 1 ¤
Chrominance to luminance gain.....< +/- 2%
Chrominance to luminance delay.....< +/- 30 nsec.
Frequency response to 6 MHz.....< +/- 1 dB
3 dB Bandwidth.....8 MHz
Luminance non-linearity.....< 2 %
Ringing .....< +/- 2 %
Tilt.....< +/- 0.5 %
Video output & input impedance .....75 Ohms
Delay, throughput.....1.24 micro sec.
Data channels.....3 RS-232C@ 9600 Baud

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..... +18 dBm
Audio output impedance, balanced ..... 50 Ohms
Audio input impedance, balanced (selectable) ..... 600 Ohms or High
Power dissipation ..... < 15 Watts, per unit
AC operation ..... 110 or 220VAC (opt
Operating temperature ..... 0 to +50 ¤C
Storage temperature..... -40 to +95 ¤C
Portable and Wall-mount:..... 7" L x 5 ¾" W x 1 ¾"
Triple Rack-mount Kit for 3 modules:……7" L x 19" W x 1 ¾"

ORDERING INFORMATION

	Fiber Optics, Professional Multiplexers, 9 Bit Video, 24 Bit Audio and Data, Stand-alone, Multimode: (SIN 58-6)
DVM-1000-FTX-2	9 bit Video, 2 Channels of 24 bit Audio and 3 Channels of RS232 Data, Fiber Optic Transmitter with 1310nm Multimode LED -14 dBm with ST connector. (May require -DVMAUDIO20, -DVMXLR20, -RMT, -BLANK and -WALL)
DVM-1000-FRX-2	9 bit Video, 2 Channels of 24 bit Audio and 3 Channels of RS232 Data, Fiber Optic Receiver, Multimode PIN with ST connectors, Sensitivity -24 dBm. (May require –DVMAUDIO20, -DVMXLR20, -RMT, -BLANK and -WALL)
	Fiber Optics, Professional Multiplexers, 9 Bit Video, 24 Bit Audio and Data, Stand-alone, Singlemode: (SIN 58-6)
DVM-1000-FTX-50	9 bit Video, 2 Channels of 24 bit Audio and 3 Channels of RS232 Data, Fiber Optic Transmitter with 1310nm Single-mode Laser -8 dBm with FC connector (May require -DVMAUDIO20, -DVMXLR20, -RMT, -BLANK and -WALL)
DVM-1000-FTX-52	9 bit Video, 2 Channels of 24 bit Audio and 3 Channels of RS232 Data, Fiber Optic Transmitter with 1310nm Single-mode Laser -3 dBm with FC connecto (May require -DVMAUDIO20, -DVMXLR20, -RMT, -BLANK and -WALL)
DVM-1000-FTX-53	9 bit Video, 2 Channels of 24 bit Audio and 3 Channels of RS232 Data, Fiber Optic Transmitter with 1310nm Single-mode Laser +0 dBm with FC connecto (May require -DVMAUDIO20, -DVMXLR20, -RMT, -BLANK and -WALL)
DVM-1000-FTX-6	9 bit Video, 2 Channels of 24 bit Audio and 3 Channels of RS232 Data, Fiber Optic Transmitter with 1550nm Single-mode Laser +0 dBm with FC connecto (May require -DVMAUDIO20, -DVMXLR20, -RMT, -BLANK and -WALL)
DVM-1000-FTX-7-xxxx	9 bit Video, 2 Channels of 24 bit Audio and 3 Channels of RS232 Data, Fiber Optic Transmitter with CWDM 1270, 1290, 1310, 1330, 1350, 1370, 1390, 14 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm Single-mode Laser –0 dBm with SC connector. Supports up to 8 wavelengths or chann per fiber optic cable. (Enter wavelength for xxxx) (May require -DVMAUDIO20, -DVMXLR20, -RMT, -BLANK and -WALL) (May requires CWDM Mux & Dem Accessories)
DVM-1000-FRX-50	9 bit Video, 2 Channels of 24 bit Audio and 3 Channels of RS232 Data, Fiber Optic Receiver, Singlemode PIN with FC connectors, Sensitivity -28 dBm. (M require -DVMAUDIO20, -DVMXLR20, -RMT, -BLANK and -WALL)
	Accessories (SIN 58-6)
-RMT	Triple Rack-mount Kit (1 kit)
-BLANK	Blank panel for rack-mounting kit
-WALL	Wall-mount Kit (1 set)
-DVMAUDIO20	Audio screw terminal break-out adapter for DVM1000
-DVMXLR20	XLR Audio Adapter Cable for DVM1000
-NOAUDIO	No Audio Option, price adjustment for units without the 2 audio channels (subtract $200 per transmitter or receiver)

NOTES...

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