

4 CHANNEL DIGITAL VIDEO MULTIPLEXER

VT/VR-7004

For Transmitting Multiple Video Channels

The VT/VR-7004 system consists of the VT-7004 transmitter and VR-7004 receiver. Both units utilize digital encoded modulation to transmit 4 individual high quality video signals in accordance with NTSC, PAL or SECAM specifications.

Both multimode and single-mode versions are available and installation is totally adjustment free. In addition, integral indicators are provided on both units to continuously indicate the presence of video signals as well as the presence of operating power making system troubleshooting simple.

Technical Specifications

Video Bandwidth (minimum)	7 MHz (+0,-3dB)
Number of Channels	4
Input/Output Impedance	75 ohms
Input/Output Level	1 volt pp
Signal/Noise Ratio*	67dB minimum
Differential Gain*	2% maximum
Differential Phase*	2° maximum
Inter-channel Crosstalk	less than 75dB
Operating Wavelength	1310 or 1550nm
Optical Loss Budget	0-12dB (multimode) 0-12dB (single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Signal Connector	BNC
Operating Temperature	-20° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217D)	>120,000 hours
Power Requirements**	12 VDC @1.2 Amps
Physical Size (mm)	7.0" (178) x 5" (127) x 1" (25.4)

*Measured with 1Km of 8/10u single-mode fiber.

Note that all specifications are subject to change without prior notice.

Important Features

- **Pure Digital Modulation**
- **Near Broadcast Specs.**
- **Signal/Power Indicators**
- **Multimode or Single-mode versions**

Ordering Information

Transmitter, VT-7004-X
Receiver, VR-7004-X

"X" = Wavelength/Fiber
-3 = 1310nm Multimode
-7 = 1310nm Single-mode
-9 = 1550nm Single-mode

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Fiber Optic Transmission Systems

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