



KEY FEATURES

- 8-Bit Digitally Encoded Video Transmission
- NTSC, PAL or SECAM Camera System Compatible
- Transmit up to 30km without Optical Attenuation
- Wide Optical Dynamic Range
- No EMI, RFI, Cross Talk and Video Distortion
- No Electrical or Optical Adjustments Required
- LED Indicators for Instant System Monitoring
- Standalone or Rack Mount

DESCRIPTION

The VERSITRON *VersiVision* Series multiplexers simultaneously transmit eight channels of 8-bit digitally encoded broadcast quality video over one multimode or singlemode optical fiber. The units are directly compatible with NTSC, PAL or SECAM CCTV camera systems. These multiplexer units are typically used in applications where the cameras are fixed. Plug and Play design ensures the ease of installation and operation and electronic and optical adjustments are never required. The units incorporate LED indicators for monitoring the power and video operating status. A typical installation utilizes a 8-channel *transmitter* unit at the camera end of the link, connected via a single fiber optic cable, to a 8-channel *receiver* unit at the monitoring end of the link. Devices are available for either standalone or rack-mount installation.

Model	Function	Connector	Fiber Cable	Wavelength	Max Distance
FVTM8003	Transmitter	ST Simplex	MM	850nm	3 Km
FVRM8003	Receiver	ST Simplex	MM	850nm	3 Km
FVTM8004	Transmitter	SC Simplex	MM	850nm	3 Km
FVRM8004	Receiver	SC Simplex	MM	850nm	3 Km
FVTM8005	Transmitter	SC Simplex	SM	1310nm	30 Km
FVRM8005	Receiver	SC Simplex	SM	1310nm	30 Km

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MAR2006 FVxM800x
8-CHNL VIDEO MUX



SPECIFICATIONS

VIDEO		CONNECTORS	
Video Input:	1 volt pk-pk (75 ohms)	Optical:	SC, ST (FC Optional)
Input/Output Channels:	8	Video:	BNC
Bandwidth:	5 Hz - 8 MHz	GENERAL	
Bit Resolution:	8-bit	Power Supply:	AC 110 / 220V
Differential Gain:	< 2%	Size:	18.98 x 9.76 x 1.77 Inches
Differential Phase:	< 0.6°	Construction:	Aluminum
Tilt:	< 1%	Finish:	Paint
S/N Ratio:	67dB (Weighed)	MTBF:	> 100,000 hours
WAVELENGTH		Operating Temp:	-30° C to +50° C
Multimode:	850nm	Storage Temp:	-40° C to +85° C
Singlemode:	1310nm	Relative Humidity:	0% to 95% (non condensing)
OPTICAL EMITTER			
Laser Diode			
Number of Fibers:	1		

TYPICAL INSTALLATION

