



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 Ground Loop
- No Electrical or Optical Adjustments Required
- LED Indicators for Instant System Monitoring
- Standalone or Rack Mount

DESCRIPTION

The VERSITRON *VersiVision* Series multiplexers simultaneously transmit sixteen channels of 8-bit digitally encoded broadcast quality video over one multimode or singlemode optical fiber. The units are directly compatible with NTSC, PAL and SECAM CCTV camera systems. These multiplexers are typically used in applications that have fixed cameras. 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 16-channel *transmitter* unit at the camera end of the link, connected via a single fiber optic cable, to a 16-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
FVTMH003	Transmitter	ST Simplex	MM	1310/1550nm	3 Km
FVRMH003	Receiver	ST Simplex	MM	1310/1550nm	3 Km
FVTMH004	Transmitter	SC Simplex	MM	1310/1550nm	3 Km
FVRMH004	Receiver	SC Simplex	MM	1310/1550nm	3 Km
FVTMH005	Transmitter	SC Simplex	SM	1310/1550nm	30 Km
FVRMH005	Receiver	SC Simplex	SM	1310/1550nm	30 Km



SPECIFICATIONS

<p>VIDEO</p> <p>Video Input: 1 volt pk-pk (75 ohms)</p> <p>Input/Output Channels: 16</p> <p>Bandwidth: 5 Hz - 8 MHz</p> <p>Bit Resolution: 8-bit</p> <p>Differential Gain: < 2%</p> <p>Differential Phase: < 0.6°</p> <p>Tilt: < 1%</p> <p>S/N Ratio: 67dB (Weighed)</p>		<p>CONNECTORS</p> <p>Optical: SC, ST (FC Optional)</p> <p>Video: BNC</p>	
<p>WAVELENGTH</p> <p>Multimode: 1310/1550nm</p> <p>Singlemode: 1310/1550nm</p>		<p>GENERAL</p> <p>Power Supply: AC 110 / 220V</p> <p>Size: 18.98 x 9.76 x 2.68 Inches</p> <p>Construction: Aluminum</p> <p>Finish: Paint</p> <p>MTBF: > 100,000 hours</p> <p>Operating Temp: -30° C to +50° C</p> <p>Storage Temp: -40° C to +85° C</p> <p>Relative Humidity: 0% to 95% (no condensing)</p>	
<p>OPTICAL EMITTER</p> <p>Laser Diode</p> <p>Number of Fibers: 1</p>			

TYPICAL INSTALLATION

