



KEY FEATURES

- 8-Bit Digitally Encoded Video Transmission
- NTSC, PAL or SECAM Camera System Compatible
- Transmit up to 30km without Optical Attenuation
- Simultaneous Video and Data Transmission
- WDM for Highest Quality Video Transmission
- 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 and return data over one multimode or singlemode optical fiber. The units are directly compatible with NTSC, PAL and SECAM CCTV camera systems and support RS-232, RS-422 and RS-485 data protocols. These multiplexers are typically used in applications where the cameras have P/T/Z capabilities. Plug and Play design ensures the ease of installation and operation, and electronic and optical adjustments are never required. LED indicators are provided for instantly monitoring system 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
FVTMHH03	Transmitter	ST Simplex	MM	1310/1550nm	3 Km
FVRMHH03	Receiver	ST Simplex	MM	1310/1550nm	3 Km
FVTMHH04	Transmitter	SC Simplex	MM	1310/1550nm	3 Km
FVRMHH04	Receiver	SC Simplex	MM	1310/1550nm	3 Km
FVTMHH05	Transmitter	SC Simplex	SM	1310/1550nm	30 Km
FVRMHH05	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>OPTICAL EMITTER</p> <p>Laser Diode</p> <p>Number of Fibers: 1</p>	
<p>DATA</p> <p>Data Interface: RS-485, RS-422, RS-232</p> <p>Data Rate: 100Kbps</p> <p>Bit Error Rate: 10⁻⁹</p>		<p>CONNECTORS</p> <p>Optical: SC, ST (FC Optional)</p> <p>Video: BNC</p> <p>Data: DB9F</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>	

TYPICAL INSTALLATION

