

VersiVision - Fiber Optic Video

FVTM880x - Transmitter
FVRM880x - Receiver



Product Features

- 8-Bit Digitally Encoded Video Transmission
- NTSC, PAL or SECAM Video Compatible
- RS-232, RS-422, RS-485 Data Protocols
- Transmit up to 30km without Optical Attenuation
- Wide Optical Dynamic Range
- No EMI, RFI, Cross Talk or Video Distortion
- No Electrical or Optical Adjustments Required
- LED Indicators for Instant System Monitoring
- Standalone or Rack Mount with the FVC14 Chassis



Product Description

The VERSITRON **VersiVision** Series video transmitter and receiver multiplexers support eight channels of 8-bit digitally encoded broadcast quality video + 1-channel of return data over one multi-mode or single-mode optical fiber. The devices are directly compatible with NTSC, PAL, and SECAM camera systems. These units are typically used in applications with fixed cameras. Plug and Play design ensures adjustment-free installation and operation, and optical adjustments are never required. LED indicators are provided to instantly monitor the system operating status. A typical installation utilizes a *transmitter* unit at the camera end of the link, connected via a single fiber optic cable, to a *receiver* unit at the monitoring end of the link. Devices are available for either standalone or rack-mount installation in the FVC14 14-Slot chassis.

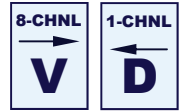
Product Models

Model	Function	Connector	Fiber Cable	Wavelength	Max Distance
FVTM8803	Transmitter	ST Simplex	MM	850/1310nm	3 Km
FVRM8803	Receiver	ST Simplex	MM	850/1310nm	3 Km
FVTM8805	Transmitter	ST Simplex	SM	1310/1550nm	30 Km
FVRM8805	Receiver	ST Simplex	SM	1310/1550nm	30 Km

ST-SC adapters are available for applications using SC fiber connectors.

VersiVision - Fiber Optic Video

FVTM880x - Transmitter
FVRM880x - Receiver



Technical Specifications

VIDEO

Video Input:	1 Volt pk-pk (75 Ohms)
Input/Output Channels:	8
Bandwidth:	5 Hz - 8 MHz
Bit Resolution:	8 - Bit
Differential Gain:	< 2%
Differential Phase:	< 0.6°
Tilt:	< 1%
S/N Ratio:	> 67dB (Weighted)

WAVELENGTH

Multi-Mode:	850/1310nm
Single-Mode:	1310/1550nm

OPTICAL EMITTER

Laser Diode	
Number of Fibers:	1

DATA

Data Interface:	RS-232, RS-422, RS-485
Data Channels:	(1) Return Direction Only
Data Rate:	100 Kbps
Bit Error Rate:	10 ⁻⁹

CONNECTORS

Optical:	ST
Video:	BNC
Data:	Screw Terminal Strip

GENERAL

Power Supply:	12VDC @ 500mA
Dimensions:	8.23 x 7.92 x 2.17 Inches
Finish:	Paint
MTBF:	> 100,000 Hours
Operating Temperature:	-30° C to +50° C
Storage Temperature:	-40° C to +85° C
Relative Humidity:	0% to 95% (non-condensing)

