

VersiVision - 10-Bit Fiber Optic Video

FVTM800xT - Transmitter
FVRM800xT - Receiver

• 8-Channels Digitally Encoded Video

Product Features

- 10-Bit Digitally Encoded Video Transmission
- NTSC, PAL or SECAM Video Compatible
- 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 10-bit digitally encoded broadcast quality video 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.

Product Models

Model	Function	Connector	Fiber Cable	Wavelength	Max Distance
FVTM8003T	Transmitter	ST Simplex	MM	1310nm	3 Km
FVRM8003T	Receiver	ST Simplex	MM	1310nm	3 Km
FVTM8004T	Transmitter	SC Simplex	MM	1310nm	3 Km
FVRM8004T	Receiver	SC Simplex	MM	1310nm	3 Km
FVTM8005T	Transmitter	SC Simplex	SM	1310nm	30 Km
FVRM8005T	Receiver	SC Simplex	SM	1310nm	30 Km
FVTM8006T	Transmitter	FC Simplex	SM	1310nm	30 Km
FVRM8006T	Receiver	FC Simplex	SM	1310nm	30 Km

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Technical Specifications

VIDEO

Video Input: 1 Volt pk-pk (75 Ohms)
Input/Output Channels: 8
Bandwidth: 6.5 MHz
Bit Resolution: 10 - Bit
Differential Gain: < 1%
Differential Phase: < 0.6°
Tilt: < 1%
S/N Ratio: > 67dB (Weighed)
Sampling Rate: 15.36 MHz

WAVELENGTH

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

OPTICAL EMITTER

Laser Diode
Number of Fibers: 1

CONNECTORS

Optical: SC, ST (FC Optional)
Video: BNC

GENERAL

Power Supply: 100-240VAC
Dimensions: 8.23 x 7.95 x 7.16 Inches
Construction: Aluminum
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)

Typical Installation

