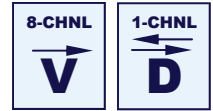


VersiVision - Fiber Optic Video

FVTM8A0xA - Transmitter
FVRM8A0xA - Receiver



Product Features

- 8-Bit Uncompressed Video Transmission
- RS-485 Data (RS-232 or RS-422 Optional)
- NTSC, PAL or SECAM Video Compatible
- Transmit up to 30km without Optical Attenuation
- WDM Technology for Higher Reliability
- No EMI, RFI, Cross Talk or Video Distortion
- No Electrical or Optical Adjustments Required
- LED Indicators for Instant System Monitoring
- Stand-Alone or Rack-Mount in FVC18 Chassis
- Hot-Pluggable into the FVC18 Chassis



Product Description

The VERSITRON **VersiVision** Series video transmitters and receivers support 8-channels of 8-bit digitally encoded broadcast quality video + 1-channel of bi-directional data over one multi-mode or single-mode optical fiber. The devices are directly compatible with NTSC, PAL, and SECAM camera systems. 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 stand-alone or rack-mount installation with the FVC18 18-Slot Chassis.

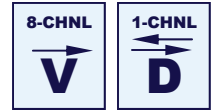
Product Models

Model	Function	Connector	Fiber Cable	Wavelength	Max Distance
FVTM8A03A	Transmitter	ST Simplex	MM	850/1310nm	2 Km
FVRM8A03A	Receiver	ST Simplex	MM	850/1310nm	2 Km
FVTM8A05A	Transmitter	ST Simplex	SM	1310/1550nm	30 Km
FVRM8A05A	Receiver	ST Simplex	SM	1310/1550nm	30 Km

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

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Technical Specifications

VIDEO

Video Input: 2 Volt pk-pk (75 Ohms)
Input/Output Channels: 8
Bandwidth: 5 Hz - 8 MHz
Bit Resolution: 8 - Bit
Differential Gain: < ±1%
Differential Phase: < ±1°
Tilt: < 1%
S/N Ratio: 60dB (Weighted)

WAVELENGTH

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

OPTICAL EMITTER

Laser Diode
Number of Fibers: 1

DATA

Data Interface: RS-485*
Data Rate: Up to 300 Kbps
Data Channels: (1) Bi-Directional
Bit Rate Error: 10⁻⁹
*RS-232 or RS-422 Optional

CONNECTORS

Optical: ST
Video: BNC
Data: Screw Terminal Strip

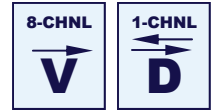
GENERAL

Power Supply: 5VDC, 2A
Dimensions: 5.98 x 5.12 x 1.95 Inches
MTBF: > 100,000 Hours
Operating Temperature: -35° C to +65° C
Storage Temperature: -45° C to +85° C
Relative Humidity: 0% to 95% (non-condensing)



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Wiring Diagram

