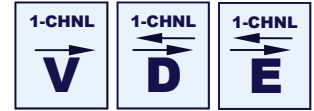


VersiVision - Fiber Optic Video

FDVT1A0x-0E - Transmitter
FDVR1A0x-0E - Receiver



Product Features

- 8-Bit Uncompressed Video Transmission
- NTSC, PAL or SECAM Video Compatible
- RS-232, RS-422, or RS-485 Data Protocols
- 10/100Base Ethernet
- 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
- Standalone or Rack Mount in FVC14 Chassis



Product Description

The VERSITRON **VersiVision** Series video transmitters and receivers support 1-channel of 8-bit digitally encoded broadcast quality video + 1-channel of bi-directional data + 1-channel of 10/100 Ethernet 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 standalone or rack-mount installation with the FVC14 14-Slot Chassis.

Product Models

Model	Function	Connector	Fiber Cable	Wavelength	Max Distance
FDVT1A03-0E	Transmitter	ST Simplex	MM	850/1310nm	3 Km
FDVR1A03-0E	Receiver	ST Simplex	MM	850/1310nm	3 Km
FDVT1A05-0E	Transmitter	ST Simplex	SM	1310/1550nm	30 Km
FDVR1A05-0E	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: 1 Volt pk-pk (75 Ohms)
Input/Output Channels: 1
Bandwidth: 5 Hz - 8MHz
Bit Resolution: 8 - Bit
Differential Gain: < 2%
Differential Phase: < 0.6°
Tilt: < 1%
S/N Ratio: 67dB (Weighed)

DATA

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

ETHERNET

Data Rate: 10/100Mbps
Number of Channels: 1

WAVELENGTH

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

GENERAL

Power Supply: 12VDC @ 1.5A
Dimensions: 7.87 x 8.03 x 1.16 Inches
MTBF: > 100,000 Hours
Operating Temperature: -35° C to +75° C
Storage Temperature: -50° C to +85° C
Relative Humidity: 0% to 95% (non-condensing)

OPTICAL EMITTER

Laser Diode
Number of Fibers: 1

CONNECTORS

Optical: ST
Video: BNC
Data Contact: Screw Terminal Strip
Ethernet: Shielded RJ-45

