



KEY FEATURES

- 8-Bit Uncompressed Video Transmission
- Supports RS-232, RS-422, and RS-485 Data Protocols
- WDM Technology for Higher Reliability
- Compatible with NTSC, PAL or SECAM CCTV
- No EMI, RFI, Cross Talk, and Ground Loop
- No Electrical or Optical Adjustments Required
- LED Indicators for Instant System Monitoring
- Stand-Alone or Chassis Module
- Transmit up to 30 Km without Optical Attenuation
- Simultaneous Transmission of Video and Data

DESCRIPTION

The VERSITRON *VersiVision* Series video and data transmitter and receiver support 8-bit digitally encoded broadcast quality video and bi-directional data over one multi-mode or single-mode optical fiber. The units are directly compatible with NTSC, PAL, and SECAM camera systems and support RS-232, RS-422, and RS-485 data protocols. This units are typically used in applications where the camera has P/T/Z capabilities and can also transmit forward data back to the monitoring location. 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.

Model	Function	Connector	Fiber Cable	Wavelength	Max Distance
FDVT1A03	Transmitter	ST Simplex	MM	850/1310nm	3 Km
FDVR1A03	Receiver	ST Simplex	MM	850/1310nm	3 Km
FDVT1A04	Transmitter	SC Simplex	MM	850/1310nm	3 Km
FDVR1A04	Receiver	SC Simplex	MM	850/1310nm	3 Km
FDVT1A05	Transmitter	SC Simplex	SM	1310/1550nm	30 Km
FDVR1A05	Receiver	SC Simplex	SM	1310/1550nm	30 Km

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MAR2006 FDVR1A0x
1-CHNL DIG VIDEO
W/ BI-DI DATA



SPECIFICATIONS

<p>VIDEO</p> <p>Video Input: 1 volt pk-pk (75 ohms)</p> <p>Input/Output Channels: 1</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-232, RS-422, RS-485</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 Terminal Block</p>	
<p>WAVELENGTH</p> <p>Multimode 850/1310nm</p> <p>Singlemode 1310/1550nm</p>		<p>GENERAL</p> <p>Power Supply: 5VDC @ 300mA</p> <p>Size: 4.57 x 5.31 x 1.42 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% (non condensing)</p>	

TYPICAL INSTALLATION

