



KEY FEATURES

- 8-Bit Uncompressed Video Transmission
- NTSC, PAL or SECAM Camera System Compatible
- 24-Bit Digitally Encoded Forward Audio Transmission
- Transmit up to 30km without Optical Attenuation
- Simultaneous Video and Data Transmission
- WDM for Highest Quality Video Transmission
- No Electrical or Optical Adjustments Required
- Standalone or Rack Mount

DESCRIPTION

The VERSITRON *VersiVision* Series video and audio transmitter and receiver support 8-bit digitally encoded broadcast quality video and 24-bit digitally encoded forward audio over one multimode or singlemode optical fiber. The modules are directly compatible with NTSC, PAL, and SECAM camera systems. These units are typically used in applications where the cameras are fixed *and* can also transmit forward audio 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. Devices are available for either standalone or rack-mount installation.

Model	Function	Connector	Fiber Cable	Wavelength	Max Distance
FDVT1013	Transmitter	ST Simplex	MM	850/1310nm	3 Km
FDVR1013	Receiver	ST Simplex	MM	850/1310nm	3 Km
FDVT1014	Transmitter	SC Simplex	MM	850/1310nm	3 Km
FDVR1014	Receiver	SC Simplex	MM	850/1310nm	3 Km
FDVT1015	Transmitter	SC Simplex	SM	1310/1550nm	30 Km
FDVR1015	Receiver	SC Simplex	SM	1310/1550nm	30 Km

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JAN2006 FDVx101x
1-CHNL VIDEO/AUDIO



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>AUDIO</p> <p>Audio Impedance: 600 Ohms</p> <p>Input/Output Level: 0dBm (typical)</p> <p>Frequency Response: 10Hz-20KHz</p> <p>Bit Resolution: 24-bit</p> <p>S/N Ratio: 88dB</p>		<p>CONNECTORS</p> <p>Optical SC, ST (FC Optional)</p> <p>Video BNC</p> <p>Audio RJ-45</p>	
<p>WAVELENGTH</p> <p>Multimode 850/1310nm</p> <p>Singlemode 1310/1550nm</p>		<p>GENERAL</p> <p>Power Supply: DC12V @ 1.5 A</p> <p>Size: 7.68 x 7.52 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

