



DESCRIPTION

The Tiandy TC-FD1119T/R Series video, audio and data transmitter and receiver support broadcast quality transmission of 8-bit digitally encoded video, bi-directional transmission of data and 24-bit digitally encoded audio over one multimode and single-mode optical fiber. The modules are universally compatible with major camera systems and support RS-485, RS422 and RS232 data protocols. Plug and Play design ensures the ease of installation and electronic and optical adjustments are never required.

SPECIFICATIONS

VIDEO		OPTICAL EMITTER	
Video Input:	1 volt pk-pk (75 ohms)	Laser Diode	
Bandwidth:	5 Hz - 8 MHz	NUMBER OF FIBERS	
Bit Resolution:	8-bit	1	
Differential Gain:	< 2%	CONNECTORS	
Differential Phase:	< 0.6°	Optical:	ST (SC & FD Optional)
Tilt:	< 1%	Video:	BNC
S/N Ratio:	67dB (Weighed)	Data/Audio:	Shield RJ-45 Plug
DATA		GENERAL	
Data Interface:	RS-485, RS-422, RS-232	Power Supply:	DC12V @ 500mA
Data Rate:	100Kbps	Size:	195mm×191mm×36mm
Bit Error Rate:	10 ⁻⁹	Construction:	Aluminum
AUDIO		Finish:	Black Paint
Audio Impedance:	600 ohms	MTBF:	> 100,000 hours
Input/output Level:	0dBm(typical)	Operating Temp:	-30°C to +50°C
Frequency Response:	10Hz-20KHz	Storage Temp:	-40°C to +85°C
Bit Resolution:	24-bit	Relative Humidity:	0% to 95% (no condensing)
S/N Ratio:	88dB		
WAVELENGTH			
850/1310nm, Multimode			
1310/1550nm, Singlemode			

FEATURES

- 8-Bit Uncompressed Video Transmission
- NTSC, PAL or SECAM Video Standards
- 24-Bit Digitally Encoded Stereo Audio Transmission
- Transmit up to 30km without Optical Attenuation
- Simultaneous Transmission of Video, Data and Audio
- WDM Technology for Higher Reliability
- No Electrical or Optical Adjustments Required
- Standalone or Rack Mount