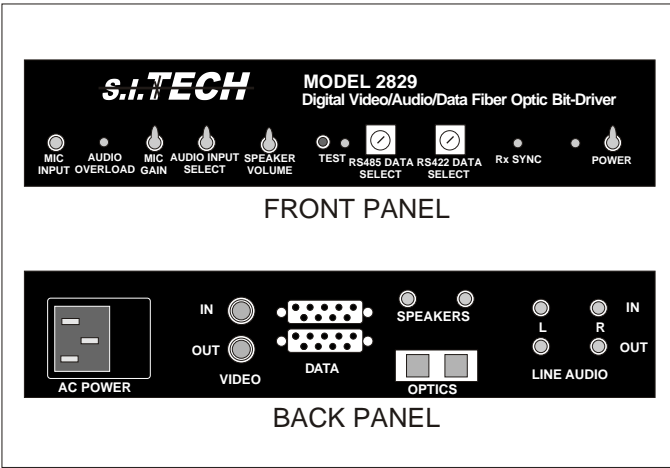


# Digital Video/Audio/Data Fiber Optic Bit-Driver



**Features:**

- Digitized 8-bit high resolution video
- Mono or stereo audio - digitized audio (24 KHz sampling)
- Digital data links, TTL, RS232, RS422, RS485
- Data rate - TTL: <150KHz, RS232: 0 - 115.2Kbps, RS422, RS485: 1200 - 115.2Kbps
- Options: NTSC, PAL video standards  
Video formats: Composite(CVBS), S-Video, Component(YPrPb)
- Full color or black & white
- Plug and play
- Status indicators PWR, Audio Overload, Receiver Sync, Test
- Long distance capability - see table
- Video: SNR > 40dB
- Audio: Mic or line input, line and speaker output
- Bidirectional video, audio and data
- Can be bidirectional on one fiber
- Multimode or Single mode optics

**Operation Mode:** CCTV Video/Audio/Data

**Video Format:** NTSC or PAL

**Transmitter Input Impedance:** 75 ohms bulkhead jack  
Composite: BNC  
S-Video: Mini-DIN  
Component: RCA Style

**Input Voltage:** 0.5 to 1.6 Vpk-pk

**Linearity:** 1% Typical

**Output Load Impedance:** 75 ohms

**Operating Wavelength:** 820 nanometers (1300 nm option)

**Optical Connectors:** SC receptacle

**Operating Temperature:** 0 °C to 50 °C

**Metal Enclosure:** 7.25" X 7" X 2.0"  
(18.4 X 17.8 X 5.1 cm)

**Weight:** 3lbs. (1.4 kg)

**Input Power:** 110VAC, 220VAC 50/60 Hz, 10-32VDC

**220 Volt Version:** Model 2829V

**Operating Distance for Fiber Optic Cable**

Fiber Size (Micron)	Attenuation dB/Km		Bandwidth MHz/Km		Distance Meters*		Distance Feet*	
	825 nm	1310 nm	825 nm	1310 nm	825 nm	1310 nm	825 nm	1310 nm
50	3.0	1.0	600	1000	1000	2000	3300	6600
62.5	4.0	1.0	200	600	400	1200	1300	4000
10 SM	Unspecified	0.4	Unspecified	Unspecified	----	20000	----	66000

SM - Single mode (1300nm) option

\* At high data rate, both attenuation and bandwidth of the fiber are considered to determine distance limit.

*Specifications subject to change without notice.*

**TYPICAL APPLICATION**

