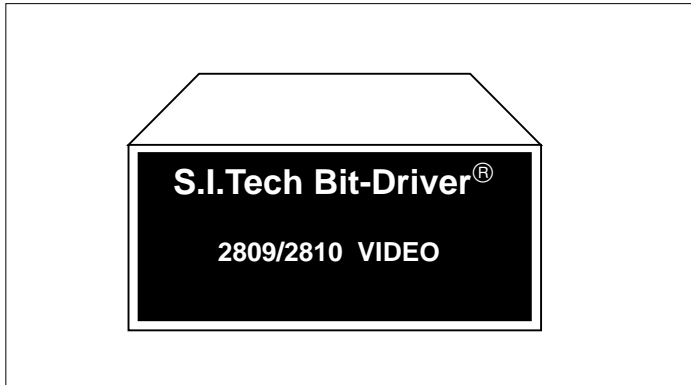


Model 2809-TR/2810-REC



CCTV - Fiber Optic Video System



Operation Mode: CCTV video - color or black and white

System Bandwidth: 10 Hz to 15 MHz

Transmitter Input Impedance: 75 ohms, BNC bulkhead jack

Input Voltage: 1 Volt rms

Receiver Adjustment Range: 40:1

Linearity: 1 percent typical

Output Load Impedance: 75 ohms

Operating Wavelength*: 820 nanometers (1300 nm options)

Optical Connectors: ST or SMA receptacle

Operating Temperature: 0 °C to 50 °C

Plastic Enclosure: 6" X 6.5" X 2.75"
(15.2 X 16.5 X 7 cm)

Weight: 2lbs. (1 kg)

Input Power: 110 VAC 50/60 Hz

220 Volt Version: Model 2809V TR/2810V REC

Card Version: 2379/2380 (3000 Rack)

***1300 nanometers is an option for 5 km or longer system**

Operating Distance for Fiber Optic Cable

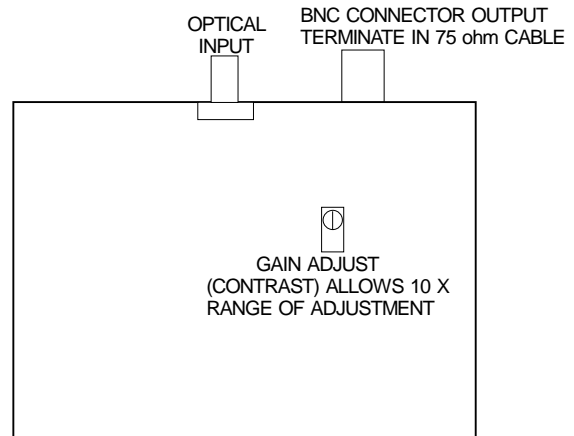
Fiber Size (Microns)	Attenuation dB/Km	Maximum Feet/Meters**
100	5.0	1600/500
62.5	4.0	0/0
50	3.0	0/0
10 SM	1.0	0/0

SM - Single mode (1300 or 1550 nm option)

** Short lengths of some fiber types can overload the receiver. Longer distance can be used if less bandwidth or higher noise is acceptable.

Typical power budget 10dB.

S.I.Tech 2810 and 2380 Fiber Optic Receiver Adjustments



Note: Adjust gain in receiver preamp for desired output (clips at 2 Vpp with 75 ohm load 4 Vpp open circuit)

How to Order

Model Numbers

2809	1 Ch. Transmitter, Multimode, 110VAC, ST
2809-2	2 Ch. Transmitter, Multimode, 110VAC, ST
2809-3	3 Ch. Transmitter, Multimode, 110VAC, ST
2809-4	4 Ch. Transmitter, Multimode, 110VAC, ST
2809-SM	1 Ch. Transmitter, Single Mode, 110VAC, ST
2809-2-SM	2 Ch. Transmitter, Single Mode, 110VAC, ST
2809-3-SM	3 Ch. Transmitter, Single Mode, 110VAC, ST
2809-4-SM	4 Ch. Transmitter, Single Mode, 110VAC, ST
2809-V	1 Ch. Transmitter, Multimode, 220VAC, ST
2810	1 Ch. Receiver, Multimode, 110VAC, ST
2810-SM	1 Ch. Receiver, Single Mode, 110VAC, ST
2810-V	1 Ch. Receiver, Multimode, 220VAC, ST

All units are in the same size enclosure. Typically 4 channel units are used for R,G,B, & Sync applications.

Specifications subject to change without notice.

