## s.i.TECH

## **CCTV - Mini Fiber Optic Video Transmitter**



**Model 2509** 

 Transmitter Input Impedance:
 75 ohms, BNC bulkhead jack

 Input Voltage:
 1 Vpp

 Receiver Adjustment Range:
 40:1

 Linearity:
 1 percent typical

 Output Load Impedance:
 75 ohms

 Output Voltage:
 2 Vpp into 75 ohm load

 Operating Wavelength:
 820 nanometers\* (1310 nm options)

 Optical Connectors:
 ST

 Power Requirements:
 12 volt from camera or external power supply (S.I.Tech #2121)

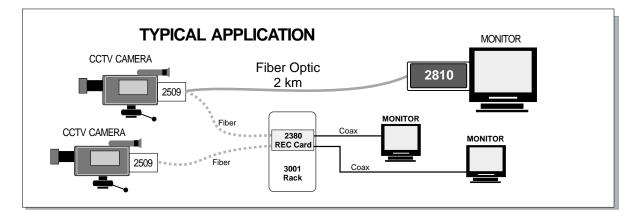
 Operating Temperature:
 0 °C to 50 °C

 Dimensions:
 1.50" X 1.13" X 0.88"

 Weight:
 0.1 LB (45 grams)

\*1310 nanometers is an option for long distance mm or sm fiber

Specifications subject to change without notice.



For application engineering assistance: 630-761-3640 FAX: 630-761-3644 S.I.Tech, P.O.Box 609, Geneva, Illinois 60134 U.S.A. Web site: http://www.sitech-bitdriver.com.

Model 2509 is a miniature fiber optic transmitter that attaches directly to a CCTV camera. Power can come from the camera or an optional power supply. (Model 2121)

The Mini 2509 is compatible with 2809/2810 and also with CCTV transmitter/receiver cards in series 1000 and 3001 rack.

## Operating Distance for Fiber Optic Cable

Fiber Size	Attenuation	Maximum
(Microns)	dB/Km	Feet/Meters
62.5	3.5	6600/2000
50	3.0	6600/2000
10 SM	1.0	33000/10000

SM - Single mode (1300 or 1550 nm option) Optical power budget: 10dB typical