

Bi-directional Video, Audio & Data Fiber Optic Multiplexer RECEIVER AND TRANSMITTER



Technical Information

Video Performance:

Signal to noise: > 72 dB
 Video channel isolation with Red Field : > 90 dB
 Differential gain: < +/- 0.2 %
 Differential phase: < +/- 0.2 °
 Chrominance to luminance gain: < +/- 0.5 % / delay.: < +/- 5 nsec.
 Frequency response to 6 MHz: < +/- 0.05 dB / 3 dB
 Bandwidth: 8 MHz
 Luminance non-linearity.: < 0.2%
 Ringing: < +/- 0.5 % & Tilt: < +/- 0.2 %
 Video output & input impedance: 75 Ohms
 Delay, throughput: 1.24 micro sec.

Audio Performance:

Signal to noise: > 90 dB
 Frequency response to 20 Hz to 20 KHz: < +/- 0.1 dB
 Distortion: < 0.05 %
 Audio output level, adjustable: Unity, +/- 6 dBm
 Maximum input & output level, 600 Ohm termination: +18 dBm
 Audio output impedance, balanced: 50 Ohms
 Audio input impedance, balanced (selectable): 600 Ohms or High
 Data channels (at 9600 Baud) : 2 RS-232C, RS422, RS485, TTL Power
 dissipation: < 15 Watts, per unit
 AC operation: 220 VAC

Product Information

- Supports 1 video, 8 audio and 2 data channels with 1 tally dry contact closure Bi-directionally over ONE optical fiber.
- Exceeds RS-250C Short-haul and Broadcast Video specifications.
- 12 Bit Video with a Signal to Noise ratio greater than 72 dB and a
- Signal to Quantizing Noise ratio of 71 dB.
- Video Bandwidth of 8 MHz for support of NTSC, PAL, SECAM and video with duplexed audio
- carriers at 4.5 MHz, 5.8 MHz and 6.4 MHz
- Differential Gain and Phase of less than 0.2% and 0.2°, respectively.
- Differential video and audio inputs for superior Common-mode Hum and Noise rejection of greater
- than 60 dB.
- Video channel isolation greater than 90 dB using a Red Field test signal.
- Front panel video output gain.
- 24 Bit Audio flat from 20 to 20K Hz, S/N greater than 90 dB and THD less than 0.05%.
- Video and Optical front panel status indicators with dry alarm relay contacts.
- Optical budget of up to 24 dB for Single-mode.
- Applications include links from studio to transmitter (STL), studio to studio, studio to CATV head-end, common carrier, teleconferencing, RBOC Telco circuits, distance learning, Intelligent. Transportation Systems & back-haul feeds from special events.

Disclaimer: Changes in the data may have been made by the manufacturer without notice.