



Product Description

The MIAT/SIAT-M3T/M8T/S3T/S5T transmitters, used with the MIAR/SIAR-M8R/U4T-3 receivers, provide a high-quality system for transferring baseband video and stereo audio signals with complete EMI immunity via fiber optics. The transmitters accept one video and two unbalanced (600 ohm or 10 k ohm) audio inputs and combine them for transmission over a single optical fiber. The receivers accept the composite optical signal and convert it to a video and two unbalanced (600 ohm or 10 k ohm) audio outputs. This FM video/stereo audio fiber optic link offers near studio-quality performance in low-to-moderate optical loss applications. Single mode and multimode fiber models are available. Because of the FM technique employed, no user adjustments are required over the full optical loss range. While optimum performance is achieved with an RS-250 C video input and 1-Volt RMS audio inputs, the output level tracks the input level over the full optical loss range. Used with a good quality optical fiber (0.5 dB/km at 1310nm and 1000 MHz/km), the multimode version will function over more than 15 km of fiber, and the single mode version will function over more than 70 km.

