MULTIDYNE
INNOVATIONS IN BROADCAST TELEVISION

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Press Release

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DV-1394

Firewire Fiber Optic Transport

The DV-1394 is a fiber optic transmission system for compressed Serial Digital Video. With recent improvements in consumer and professional grade video equipment, there has been an increase in the use of these type products for broadcast and near-broadcast applications. The wide spread use of Firewire has created demand for a long-haul transport solution. The DV-1394 system provides high quality transmission of compressed video over long distance conforming to the Firewire IEEE 1394A/B protocol. Using a IEEE 1394 PHY and an optical transceiver, the DV1394 is capable of sending IEEE 1394 Firewire signals across a fiber optic cable from 500 meters to 50 KM. Multimode and Singlemode system are available. The device requires no drivers or special setup. The system is transparent to the Firewire peripherals.

The system is compliant with the IEE1394A-2000 and IEEE1394B draft specifications. Full duplex data is supported at 100, 200 and 400 Mbps. The system supports Multimode and Singlemode fiber optic cable with MT-TJ connectors. Fiber optic cable and adapters for ST, FC and SC connectors are available. The unit includes two 6 pin IEEE1394 Copper Ports with Plug and Play support and one IEEE1394B Long Haul Optical Port. The system can be used as a standard two-port IEEE1394 repeater. The real power of the system is the Long Haul Optical Port. The standard Multimode system supports a minimum distance of 500 meters. The standard Singlemode system supports a minimum distance of 15 KM. Systems are available for single fiber transport using WDM technology.

Applications include video production, video editing, news production, ENG, video and computer networking, transport links for STLs, studio to studio, studio to CATV head- end and distance learning.

The system is available with 850nm wavelength LEDs for Multimode and 1300nm and 1550nm wavelength Lasers for Singlemode applications. The system transports a full duplex signal over one or two optical fibers. Systems are available with 500, 1000 and 2000 foot optical cable.

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