

## Serial Digital Video Fiber Optic Transport for DTV



### SUMMARY

- Designed to **ease the engineering and financial difficulties** associated with the **migration to DTV**.
- An economical solution for the **fiber optic and coaxial transport** of virtually any digital signal from **10 to 400Mbps**.
- Supported standards include **SMPTE 259M Serial Digital Interfaces (SDI), 4:2:2 Component, 360 Mbps, Sonet/SDH and ATM**.
- Units to support **Fiber Optic Transport, Fanout Distribution and Re-clocking** are available.
- **Jitter less than 130psec peak-peak at 270 Mbps**.
- The system is available **stand-alone or rack-mount** for **Multimode and Singlemode** applications.
- The units operate from **110 or 220 VAC** using a wall-mount supply or from **12 VDC** from a BP-90 battery.
- Applications include links from **studio to transmitter (STL), studio to studio, studio to CATV head-end, distance learning, field and sporting production and back-haul feeds**.
- Designed and manufactured in the U. S. A.

### ORDERING INFORMATION

#### FIBER OPTICS, 270 Mbps Serial Digital Transport for DTV:

**DTV-120-FTX-ST, 270 Mbps Serial Digital Video Fiber Optic Transmitter, 1310nm Multi-mode -14 dBm LED with ST connector, Stand-alone & Rack-mountable, wall-mount power supply included.**

**DTV-120-FRX-ST, 270 Mbps Serial Digital Video Fiber Optic Receiver Multi-mode with ST connector, sensitivity -24 dBm, Stand-alone & Rack-mountable, wall-mount power supply included.**

#### FIBER OPTICS, 400 Mbps Serial Digital Transport for DTV:

**DTV-130-FTX-50-ST or FC, 400 Mbps Serial Digital Video Fiber Optic Transmitter, 1300nm Single-mode Laser -11 dBm with ST connector, Stand-alone & Rack-mountable, wall-mount power supply included.**

DTV-130-FTX-51-ST or FC, as above with 1300nm Single-mode Laser -8 dBm with FC connector

DTV-130-FTX-52-ST or FC, as above with 1300nm Single-mode Laser -3 dBm with FC connector

DTV-130-FTX-53-ST or FC, as above with 1300nm Single-mode Laser +0 dBm with FC connector

DTV-130-FTX-54-ST or FC, as above with 1300nm Single-mode Laser +2 dBm with FC connector

DTV-130-FTX-6-ST or FC, as above with 1550nm Single-mode Laser 0 dBm with FC connector

**DTV-130-FRX-ST or FC, 400 Mbps Serial Digital Video Fiber Optic Receiver, 1100 to 1600nm Single-mode with FC connector, sensitivity -28 dBm, Stand-alone Rack-mountable, wall-mount power supply included.**

#### Synchronizaton, Re-clocking and Fan-out DAs

**DTV-110, 400 Mbps Automatic Standard Reclocking DA w/ cable EQ, Stand-alone & Rack-mountable, wall-mount power supply.**

#### Rack-mount Kits and Accessories

-RM6, 6 unit rack-mounting kit, mount 6 DTV-100/1500 in 1 rack unit

-BLANK, Blank panel for rack-mounting kit

WDM-95-MM, Wave Division Multiplexer, 850 and 1300nm Multi-mode

WDM-95-SM, Wave Division Multiplexer, 1300 nm and 1550 nm Single Mode

SPLIT50/50, Optical Splitter, 50/50 Gould