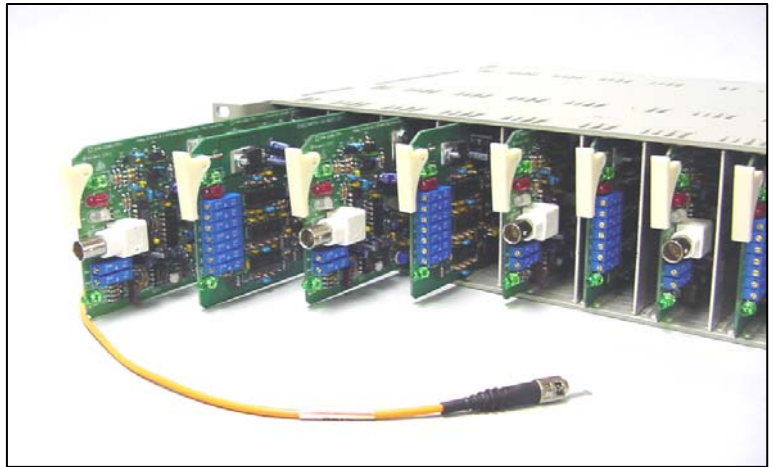


# DTV-225 & DTV-235

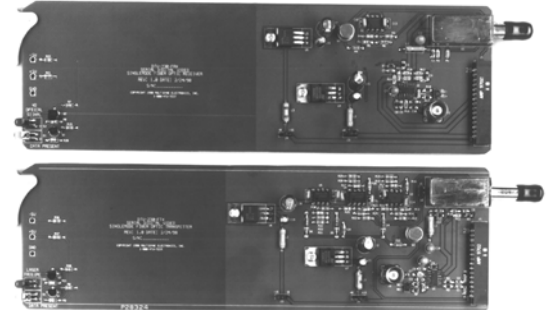
## 540 Mbps SDI Fiber Optic Transport, Modular



- Ideal for Serial Digital Interface (SDI) applications at speeds from 19.4 to 540Mbps.
- Supports SMPTE 259M (SDI), DVB-ASI (270Mb/s), 4:2:2 Component, SMPTE 305, SMPTE 310(19.4Mbps) SMPTE 344(540Mbps) & M2S.
- Support embedded data and audio. Audio and data must be embedded externally.
- Available for Multimode (DTV-225) and Singlemode (DTV-235) applications.
- **Jitter less than 130psec peak-peak at 270 Mbps.**
- Modular card configurations.
- Fan out and relocking modules available.
- **Mix SDI Fan-out, SDI Re-clocking and SDI Fiber Optic Transport in the UTIL-200-FIBER Utility Tray.**
- **Coarse Wave-division Multiplexing (CWDM)** systems are available for up to **16 wavelengths** over **ONE optical fiber.**
- Designed and manufactured in the U. S. A.

### DTV-235-FTX Serial Digital Video Singlemode Fiber Optic Transmitter and DA

- One coaxial input, one Fiber Optic output.
- Economical solution for the transport of digital signals from **19.4 to 540 Mbps** up to **100KM** over Singlemode fiber optic cables.
- Available in 1300nm and 1550nm wavelengths.
- Laser failure and data present LED indicators with open collector alarm output.
- Supports SMPTE 259M, SMPTE 305M, SMPTE310M, SMPTE 344M, M2S and DVB-ASI



**Specifications:** **Input:** Type: 1 BNC. Impedance: 75 Ohms. Return Loss: >18dB up to 270MHz. **Fiber Output:** Type: ST or FC. **Wavelength:** 1310 or 1550nm Singlemode. **Power:** -8 to 0 dBm or **CWDM Laser.**

#### Ordering Information:

DTV-235-FTX-50-FC	19.4Mbps or 143 - 540Mbps Serial Digital Video Fiber Optic Transmitter, 1310nm, -8dBm, Single-mode Laser -8 dBm with FC connector, <b>Modular for UTIL-200-FIBER and UTIL-200-DVM Trays.</b> Supports SMPTE 259M and SMPTE 310M. (-ST, -FC or -SC for connector type)
DTV-235-FTX-52-FC	19.4Mbps or 143 - 540Mbps Serial Digital Video Fiber Optic Transmitter, 1300nm Single-mode Laser -3 dBm, FC conn., Modular for UTIL-200-FIBER and UTIL-200-DVM Trays.
DTV-235-FTX-53-FC	19.4Mbps or 143 - 540Mbps Serial Digital Video Fiber Optic Transmitter, 1300nm Single-mode Laser 0 dBm, FC conn., Modular for UTIL-200-FIBER and UTIL-200-DVM Trays.
DTV-235-FTX-6-FC	19.4Mbps or 143 - 540Mbps Serial Digital Video Fiber Optic Transmitter, 1550nm Single-mode Laser 0 dBm, FC conn., Modular for UTIL-200-FIBER and UTIL-200-DVM Trays.
DTV-235-FTX-7-SC-XXXX	19.4Mbps or 143 - 540Mbps Serial Digital Video Fiber Optic Transmitter with CWDM 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm Single-mode Laser 0 dBm with SC connector. Supports up to 8 wavelengths or channels per fiber optic cable. Modular for UTIL-200-FIBER and UTIL-200-DVM Trays. (Enter wavelength for xxxx) (May requires CWDM Mux & Demux Accessories)



In the USA and Canada call **1-(800)-4TV-TEST**  
 191 Forest Avenue, Locust Valley, NY 11560-2132 USA  
 1-(800)-488-8378, (516)-671-7278, FAX (516)-671-3362

**E-Mail: [sales@multidyne.com](mailto:sales@multidyne.com)**  
**Web Site: [www.multidyne.com](http://www.multidyne.com)**

## DTV-235-FRX Serial Digital Video Fiber Optic Receiver and DA

- One Fiber Optic input and two coaxial outputs.
- Optical signal and data presence LED indicators with open collector alarm output.
- Used with the DTV-235-FTX.

**Specifications:** **Fiber Input:** Type: ST or FC. **Wavelength:** 1100 to 1610nm. **Sensitivity:** -28 dBm. **Output:** Type: 2 BNC. Return loss: >18dB up to 270MHz.

### Ordering Information:

DTV-235-FRX-FC	19.4Mbps or 143 - 540Mbps Serial Digital Video Fiber Optic Receiver, 1100 to 1600nm, -25dBm sensitivity, Single-mode with FC connector, <b>Modular for UTIL-200-FIBER and UTIL-200-DVM Trays.</b> Supports SMPTE 259M and SMPTE 310M. (-ST, -FC or -SC for connector type)
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## DTV-225-FTX Serial Digital Video Multimode Fiber Optic Transmitter and DA

- One coaxial input, one Fiber Optic output.
- Economical solution for the transport of digital signals up to **360 Mbps** over Multimode fiber optic cables.
- Up to a **10 dBm optical budget** at a wavelength of 1330nm.
- Supports SMPTE 259M, SMPTE 305M, SMPTE310M and DVB-ASI.

**Specifications:** **Input:** Type: 1 BNC. Impedance: 75 Ohms. Return Loss: >18dB up to 270MHz. **Fiber Output:** Type: ST. **Wavelength:** 1310 Multimode, **Power:** -14 dBm typical.

### Ordering Information:

DTV-225-FTX-ST	19.4Mbps or 143 - 270 Mbps Serial Digital Video Fiber Optic Transmitter, 1310nm, -14dBm, Multi-mode LED with ST connector, <b>Modular for the UTIL-200-FIBER and UTIL-200-DVM Trays.</b> Supports SMPTE 259M and SMPTE 310M.
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## DTV-225-FRX Serial Digital Video Multimode Fiber Optic Receiver and DA

- One Fiber Optic input and two coaxial outputs.
- Used with the DTV-225-FTX.

**Specifications:** **Fiber Input:** Type: ST or FC. **Wavelength:** 1310nm. **Sensitivity:** -24 dBm typical. **Output:** Type: 2 BNC. Return loss: >18dB up to 270MHz.

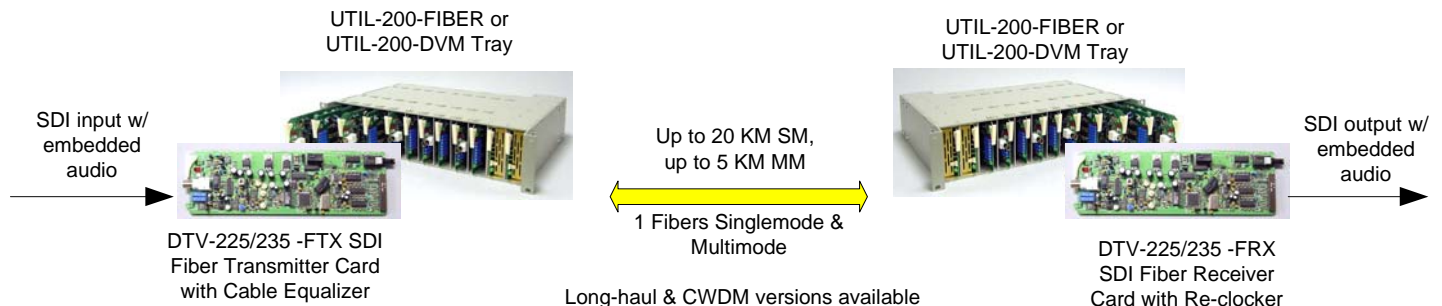
### Ordering Information:

DTV-225-FRX-ST	19.4Mbps or 143 - 270 Mbps Serial Digital Video Fiber Optic Receiver, -24dBm sensitivity, Multi-mode with ST connector, <b>Modular for the UTIL-200-FIBER and UTIL-200-DVM Trays.</b> Supports SMPTE 259M and SMPTE 310M.
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### Tray and Power Supply Ordering Information:

UTIL-200-FIBER-2RU-AC	Analog, Digital and Fiber, 10 Slot, 2RU, Modular Utility Tray, with one 85-265 VAC Power Supply & Line Cord. <b>(Supports the DTV200 series only)</b>
PS-200-AC	Modular 85-265 VAC Power Supply & Line Cord for 200 series trays
UTIL-200-FIBER-2RU-48VDC	Analog, Digital and Fiber, 10 Slot, 2 RU, Modular Utility Tray, with one 36-60 VDC Power Supply. <b>(Supports the DTV200 series only)</b>
PS-200-48VDC	Modular 36-60 VDC Power Supply for 200 series trays
UTIL-200-DVM-2RU-AC	Analog, Digital and Fiber, 10 Slot, 2RU, Modular Utility Tray, with one 85-265 VAC Power Supply & Line Cord. <b>(Supports the DTV200 and DVM2200 series only)</b>
PS-200-DVM-AC	Modular 85-265 VAC Power Supply & Line Cord for 200 series trays
UTIL-200-DVM-2RU-48VDC	Analog, Digital and Fiber, 10 Slot, 2 RU, Modular Utility Tray, with one 36-60 VDC Power Supply. <b>(Supports the DTV200 and DVM2200 series only) (Delivery 10 Weeks)</b>
PS-200-DVM-48VDC	Modular 36-60 VDC Power Supply for 200 series trays (Delivery 10 Weeks)

### Application Diagram for DTV225/235 SDI Fiber Optic Transport System



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