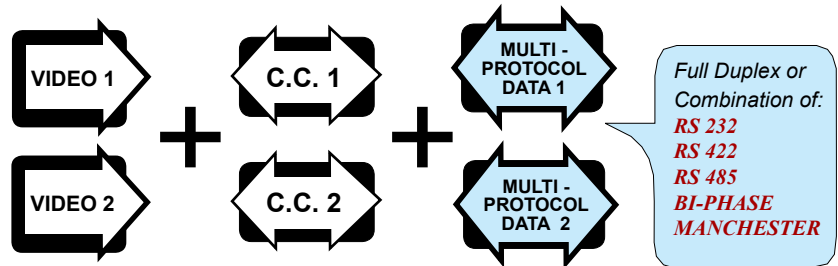


Digital Two Channel 10-Bit Video Multiplexer  
with Two Full Duplex Multi-Protocol Data  
Channels plus Two Bi-Directional  
Contact Closures



### FEATURES:

- 10 Bit Video Digital Encoding
- Real Time Video & Data Transmission
- 2 Bi-Directional Contact Closure Channels
- 7 MHz Video Bandwidth
- Meets RS-250C Short Haul Transmission Specifications
- NTSC, PAL, SECAM Compatible
- 2 switch-selectable, multi-protocol data channels. Compatible with RS-232, RS-422, RS-485, Manchester, bi-phase
- Wide Optical Dynamic Range: Eliminates Need For Optical Attenuators
- Laser Based Systems for Multimode and Singlemode
- Surface Mount Technology (SMT) for High Reliability and Repeatability
- SpectraSmart™ Network Management Compatible
- Local LED Status Indicators to Monitor Critical System Diagnostics for Performance Parameters
- ST, FC Optical Connector
- Hot Swappable Cards
- Laser Back - Biased Photo Detector Circuitry for Stable Optical Output Over Full Temperature Range.
- 75 Ohm BNC Video Connector (Gold Center Pin)
- Meets EIA RS-170, RS-343A Formats
- DB 9 Type Connectors for Data
- DB 9 (HD) connector for Contacts

### DESCRIPTION:

The DT/DR-2W2G2C/2G2C series products incorporate digital encoding technology. This fiber optic module transmits two real-time, simplex 10-bit video & two full-duplex channels of switch-selectable multi-protocol data (RS-232, RS-422 and RS-485 (2 or 4-wire)) plus 2 Bi-Directional channels of contact closure over one optical fiber. These data formats are also compatible with bi-phase & Manchester encoding schemes. Both Multimode and Singlemode fiber versions are available. Meridian's digital product line incorporates plug-in personality signal cards to easily configure a wide variety of module types. The functionality of the DT/DR-2W2G2C/2G2C series products is enhanced by their compatibility with Meridian's PC based SpectraSmart Network Management & Diagnostic Software system. SpectraSmart supervises the operating parameters of the transmission system such as the status on video levels, sync, digital carrier detect, voltages, temperatures, optical levels etc. See SpectraSmart brochure for further details.

### CONFIGURATIONS:

The DT/DR-2W2G2C/2G2C product family is available as rack mount cards and modules that can be installed in either Meridian's desk chassis or in 19" racking frames. This system can be configured in either star (module to rack) or trunking (rack to rack) configurations. These systems can be made a standalone system by using the SR-1000/s, 2 slot desk / wall mount chassis (87 VAC- 264VAC)

### MARKETS:

- ✓ Intelligent Transportation Systems (ITS)
- ✓ Security and Surveillance
- ✓ Access Control

