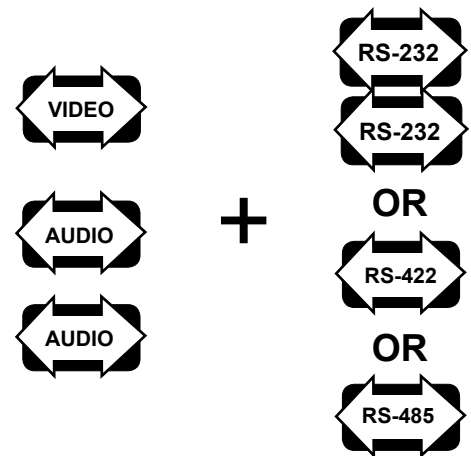


## Digitally-Encoded Bi-directional Video, Audio (2 channels) and Multi-Protocol data (1 channel)



### FEATURES:

- 10-Bit Video Digital Encoding
- Real Time Video / Audio / Data
- Multi-protocol Data and 24-Bit Audio
- 7 MHz Video Bandwidth
- Meets RS-250C Short Haul Transmission Specifications
- NTSC, PAL, SECAM Compatible
- 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 & Audio
- DC to 125 Kb/s Data Rate

### DESCRIPTION:

The DX-1W2A1G series products incorporate digital encoding technology. This fiber optic module transmits & receives the following bi-directional (full duplex) signals: one real-time, high performance 10-bit digitally encoded Video channel, one multi-protocol data channel and two 24-Bit Audio channels over one fiber. The data channels are user-configurable and can select between the following channels: 2 RS-232 or 1 RS-422 or 1 of each RS-232 & RS-422 or 1 RS-485 (2 or 4-wire). 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 DX-1W2A1G series products are 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 DX-1W2A1G product family is available as rack mount cards and modules that can be installed in Meridian's card chassis, desk chassis and 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 (87VAC-264VAC)

### MARKETS:

- √ Video conferencing
- √ Intelligent transportation systems (ITS)
- √ Security and surveillance
- √ Access Control

