

# ***SPECIALTY PRODUCTS***



## **Fiber-Optics Transmission Solutions**

# High Performance Plus Flexibility In A Variety

## RGB/DVI

- HIGH RESOLUTION
- AUTO RANGING
- 6GB TOTAL BANDWIDTH
- MULTIMODE OR SINGLE MODE
- 1 FIBER - RGB / DVI
- RACK MOUNTED OR STAND-ALONE VERSIONS
- OPTIONAL - STEREO AUDIO, DATA, KEYBOARD & MOUSE
- SPECTRA SMART DIAGNOSTICS - OPTIONAL



## S VIDEO

- FULL 10 BIT PROCESSING
- 1 TO 4 CHANNELS ON 1 FIBER
- MULTIMODE OR SINGLE MODE
- DIGIFLEX SERIES
- RACK MOUNTED OR STAND-ALONE VERSIONS
- AVAILABLE WITH MULTIPLE CHANNELS OF 24 BIT AUDIO AND DATA
- CAN BE COMBINED WITH COMPOSITE VIDEO
- BI-DIRECTIONAL S VIDEO AVAILABLE
- SPECTRA SMART DIAGNOSTICS - OPTIONAL



## ETHERNET

- 10/100 BASE T, AUTO NEGOTIATION
- IEEE 802.3 COMPLIANT
- USER SELECTABLE MDI/MDI-X
- SINGLE FIBER REQUIRED
- RACK MOUNTED OR STAND-ALONE VERSIONS
- MULTIMODE OR SINGLE MODE
- WIDE OPERATING TEMPERATURE
- SPECTRA SMART DIAGNOSTICS - OPTIONAL



## MULTI CHANNEL VIDEO

- UP TO 128 CHANNELS OF VIDEO
- UNCOMPRESSED, NTSC OR PAL FORMATS
- SINGLE MODE ONLY USING CWDM TECHNIQUES
- 1 FIBER
- 8 OR 10 BIT VIDEO PROCESSING
- CAN BE COMBINED WITH AUDIO OR DATA
- HIGH DENSITY
- RACK MOUNTED ONLY
- SPECTRA SMART DIAGNOSTICS - OPTIONAL



## MULTIDROP DATA

- FIELD CONFIGURED - SELF HEALING RING OR LINEAR MULTIDROP
- MULTIMODE OR SINGLE MODE
- RACK MOUNTED OR STAND-ALONE VERSIONS
- MULTI PROTOCOL DATA
- WIDE OPERATING TEMPERATURE RANGE
- BUILD-IN DIAGNOSTICS, SELF DIAGNOSTICS
- SPECTRA SMART DIAGNOSTICS INCLUDED



## ALSO AVAILABLE

- T1 / E1
- USB 2.0 FIBER EXTENDER
- FIREWIRE IEEE 1394
- DUAL DVI , HDMI
- SPDIF / AES
- COMPONENT VIDEO
- FIBER OPTIC BYPASS SWITCH
- AUTO SENSING VIDEO SWITCH
- MULTIPLE "UP THE COAX" SIGNALS ON 1 FIBER
- TRANSCEIVER FOR IN-DOME MOUNTING
- AIPHONE AND DUKANE INTERFACE



# Markets Served

SCADA  
MINING  
MEDICAL  
ROBOTICS  
NUCLEAR FACILITIES  
TELECONFERENCING  
HOMELAND SECURITY  
MILITARY AND GOVERNMENT  
PETROLEUM AND CHEMICALS  
SECURITY AND SURVEILLANCE  
INDUSTRIAL AND MANUFACTURING  
INTELLIGENT TRANSPORTATION SYSTEMS

## Meridian Advantage

### 10 REASONS TO CHOOSE MERIDIAN

1. HUGE SELECTION OF EQUIPMENT
2. CUSTOM PRODUCTS USING OFF-THE-SHELF MODULES
3. QUICK DELIVERY
4. OUTSTANDING CUSTOMER SERVICE
5. COMPETITIVE PRICING
6. EASY AND FRIENDLY TO DO BUSINESS WITH
7. HIGH PRODUCT RELIABILITY
8. EXCELLENT WARRANTY
9. GUARANTEED CUSTOMER SATISFACTION
10. IF YOU DON'T SEE WHAT YOU WANT, ASK US

• OEM and customized project inquiries are welcomed

### DIAGNOSTIC SYSTEMS

#### *SpectraView™*

- AVAILABLE IN DigiSlim™ SERIES
- STANDARD FEATURE - NO ADDITIONAL COST
- DIAGNOSTIC LEDs
- ON SCREEN DISPLAY - LOSS OF OPTICAL SIGNAL, LOSS OF VIDEO, WH DATA AND CONTACT CLOSURE ACTIVITY INDICATORS

#### *SpectraSmart™*

- REAL TIME SYSTEM MONITORING AND DIAGNOSTICS
- MONITORING LAN AND WAN SYSTEMS
- EASY TO USE GUI
- VISUAL AND AUDIBLE ALARMS
- ALARM LOGGING
- INDICATES PROBABLE CAUSE OF FAULT AND SUGGEST CORRECTIVE ACTION
- WINDOWS® COMPATIBLE
- COMMUNICATES VIA RS-232, USB OR ETHERNET
- AVAILABLE OPTION ON MOST MODELS



Proudly made in the  
U.S.A.



YOUR PARTNER IN FIBER-OPTIC COMMUNICATIONS

700 Elmont Road Elmont, NY 11003 • Phone: 516 285-1000 • Fax: 516 285-6300 • [www.meridian-tech.com](http://www.meridian-tech.com)