

Specifications

Video			
Digital encoding	10-bit standard 8-bit (4-ch mux/demux modules)	BER	>10 ⁻⁹
Format	NTSC, PAL, SECAM	Connector	3-Pin screw terminal block (1 data/audio channel) DB25F (multiple channels)
Voltage/impedance	1 Vp-p, 75 ohm	Contact Mapping	
Bandwidth	5 Hz to 6.8 MHz	Contact rating	30 V AC/DC @ 300 mA
Differential gain	<0.6%	Connector	3-Pin screw terminal block (1 data/audio channels) DB25F (multiple channels)
Differential phase	<0.3 deg	Diagnostic Indicators	
SNR	>60 dB (8 bit), >67 dB (10 bit)	Green	Power
Connector	75 ohm BNC (Gold Center Pin)	Bi-color	Tx carrier/Laser overcurrent
Audio		Bi-color	Rx carrier present/error
Digital encoding	24 bit	Bi-color	Video present/overload (one per channel on mux/demux)
I/O impedance	600 ohms, balanced 47 kohms, unbalanced (Field selectable)	Green	Video Sync present (one per channel)
I/O level	-8 to +8 dBm	Green	Data present (one per channel)
Frequency response	10 Hz to 20 kHz	Bi-color	Audio present/overmodulation (one per channel)
THD	<0.01%, 1 kHz @ max. modulation	Green	Contact Closure present (one per channel)
SNR	>90 dB (weighted)	Enviromental	
Connector	3-Pin screw terminal block (1 data/audio channel) DB25F (Multiple channels)	Operating temperature range	-40°C to +75°C
Data		Storage temperature range	-55°C to +85°C
Format	RS-232D, RS-422A, RS-485 (2 or 4 wire) Manchester bi-phase, TTL (Field selectable)	Relative humidity	0 to 95% noncondensing
Data rate	DC to 150 Kb/s		

For product-specific information, see appropriate data sheets. Specifications and features subject to change without notice.

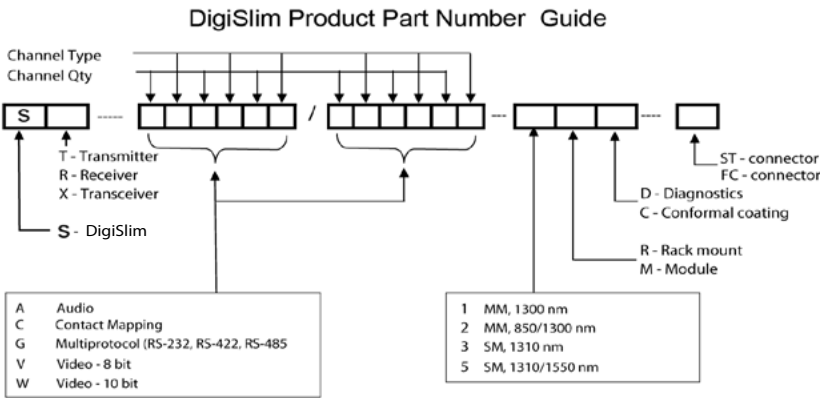
Intuitive Part Number System

The DigiSlim product line has an intuitive part numbering system to allow the user to easily configure the exact part number he needs. No need to use a numeric system that has no relationship to the actual part required. Examples of this include:

ST-1W1G/1G-2 — Digital transmitter with one 10-bit video channel and one, multiprotocol data channel on multimode fiber

SXA-1G2A/1G2A-5 — Digital transmitter (side "A") with one bi-directional multiprotocol data channel and two bi-directional audio channels

For more information or for additional configurations contact your local Meridian Sales Representative or Meridian directly.



DigiSlim™



High Performance Fiber-Optic Transmission Systems



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DigiSlim™ Gives You the Performance Edge

DigiSlim™ Video/Audio/Data Transmission Systems

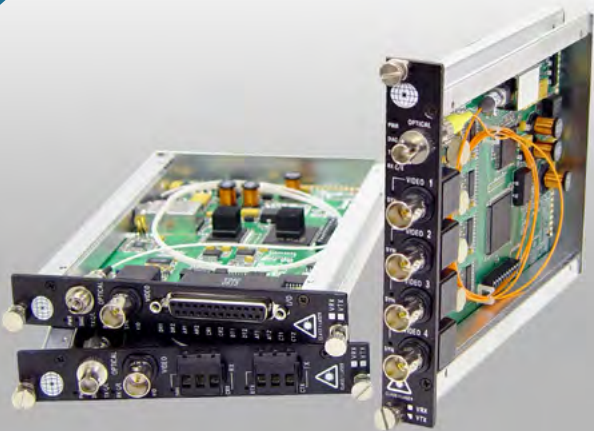
Meridian's single-slot DigiSlim™ line of fiber-optic transmission equipment provides you the customer with a wide combination of standard and unique Video/Audio/Data transmission products. From a single-channel 10-bit digitally-encoded video channel to a full complement of video and multi-channel bi-directional Audio, Data and Contact Mapping, this DigiSlim product family is by far the most versatile in the industry today.

Quality at an Economical Price with SpectraView™ On-Screen Diagnostics System at No Additional Cost

Features

Available in popular configurations, stand alone or rack mounted
Meets RS-250C Short Haul transmission specifications, with NTSC, PAL, and SECAM compatibility
Real-time 10 Bit uncompressed video
Transmission of video, audio, data, and contact mapping signals
24-bit audio processing
Multiprotocol data channels - field configurable
RS-232, RS-422, RS-485, bi-phase, Manchester data formats
Local LED status indicators to monitor critical performance parameters
Hot-swappable cards eliminate need to power down system for maintenance or upgrades
SpectraView™ On-Screen Diagnostics
SpectaSmart™ PC based Network Management System (optional)
Compatible with all Meridian's Chassis

...For data sheets of popular configurations, visit www.meridian-tech.com



Meridian's DigiSlim™ product family delivers high performance plus channel versatility and flexibility.

Selection

Choose the desired signals for transmission

Specifications

Accurate and verifiable

Speed

Short lead times and fast delivery

Service and Support

Expert technical support both before and after the sale. Free application and design assistance

Satisfaction

Total company commitment to client satisfaction

DigiSlim™

Available Configurations

- 1 Channel Video
- 2 Channel Video
- 4 Channel Video
- Video + Return Multiprotocol Data
- Video + Return Multiprotocol Data + Forward Audio
- Video + Bi-Directional Multiprotocol Data
- Video + Bi-Directional RS-422 Data For Direct Mounting In Pelco Spectra III Dome
- Video + Bi-Directional Contact Closure
- Video + Audio
- Video + 2 Audio
- Video + Bi-Directional Audio
- Video + Bi-Directional Multiprotocol Data + 2 Bidirectional Audio + 2 Bi-directional Contact Closures
- Video + 2 Bi-Directional Multiprotocol Data
- Video + 2 Bi-Directional Multiprotocol Data + Bi-Directional Contact Closure
- 1 or 2 Data (One direction)
- 1 or 2 Bi-Directional Multiprotocol Data
- 2 Audio (One direction)
- 2 Bi-Directional Audio

Applications

Homeland Security
Security and Surveillance
Intelligent Transportation Systems
Access Control
Professional Audio/Video
Broadcast Studios
Campus Lecture Networks
Intelligent Courtrooms
SCADA Networks
Video Conferencing
Medical Imaging

All manufacturing done on Meridian's premises by automated robotic assembly equipment