■ *Connectivity for Business-Critical Continuity*

Digital Video Fiber Transport

"Stratos Inside" OEM Solutions

SFP Modules

- SMPTE 424M/292M/259M compatible
- SMPTE 297M compliant
- Based on industry-standard SFP
- Dual TX, dual RX, and transceivers in same video electrician interface
- DFB and CWDM options available for transmitter
- Transceiver using MSA electrical pin out available
- Error-free pathological pattern operation
- Digital Diagnostics Monitoring Interface
- Die-cast metal housing
- Hot pluggable
- Single +3.3V power supply

SFF Modules

- Low profile - fits mezzanine card applications
- Error-free pathological pattern operation
- Wave solderable/aqueous washable
- Single +3.3V power supply
- Class 1 laser safety compliant

2x7 Version

- SMPTE 292M/259M compatible
- SMPTE 297M compliant
- SMPTE 424M compatible *coming soon*
- Dual TX and RX available
- Digital Diagnostics Monitoring Interface

2x5 Version

- SMPTE 292M/259M compatible
- SMPTE 297M compliant
- Based on industry-standard SFF footprint
- Transceiver & Simplex versions available

Stratos is committed to delivering fiber optic video products that are in full compliance with RoHS requirements. The video product line is presently in various stages of transition. Customers will find products are generally "RoHS-5" or "RoHS-6" compliant. Specific compliance information is available upon request.

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Stratos Optical
Connectivity Solutions

EMERSON
Network Power

End-User Solutions

Coax to Fiber Video Media Converters (VMC or MVMC)

- Separate SD or HD models adapts 75Ω coax to fiber for video transport
  - SD-SDI: up to 540 Mbps
  - HD-SDI: up to 1.486 Mbps
- Transmitters have SMPTE cable equalizer
- VMC (Video Media Converter, BNC Coax to ST fiber)
  - Receivers have re-clocker and cable driver
  - Rugged over-molded die cast construction
- MVMC (Miniature VMC, BNC Coax to LC Fiber)
  - Receivers have a cable driver
  - Rugged die cast construction
  - Options: High optical launch power and user chosen CWDM transmitter wavelengths

Video Media Converters (VMC)

Miniature Video Media Converters (MVMC)

Video Media Distribution Amplifier Node (VMDA-6)

- 75 Ω SMPTE 259/292M electrical input/output
- SMPTE 297M compatible based on SD/HD traffic
- 3 User-Selectable modes
  - 1-Fiber in: 1-Fiber out & 6-Coax out
  - 1-Coax in: 1-Fiber out & 6-Coax out
  - 1-Coax in: 1-Fiber out & 1-Fiber in: 6-Coax out
- Powered by wall plug with mini-XLR connector
- Intuitive LED indications/signal flow arrows

AES Digital Audio Embedder/De-Embedder (VMAES)

- Embed or de-embed 4 AES digital audio into/from HD video
- Extend distance via singlemode fiber:
  10 km (6 mi) and 50+km (30+mi) options
- Coax and fiber HD video inputs/outputs
- Coax and DB-25 AES audio inputs/outputs
- 1/4 inch headphone monitoring output
- ST or multi-fiber HxMA expanded beam connector outputs
- Local touch pad and remote Ethernet control

Video Media Converter Racks (VMCR)

- Easy-to-use housing platform for managing power, diagnostics and cabling on coax and fiber side of video transport networks
- Various 18 or 16 channel versions
  - VMCR-18-R, slide rack, front coax & rear fiber connect
  - VMCR-18-T, enclosed table top, front coax & rear fiber connect
  - VMCR-16-R, fixed rack, rear coax & rear fiber connect
- Built-in Digital Diagnostic Monitoring Interface allows remote ID and monitoring via a standard 10/100 Ethernet-compliant web-enabled port
- Populated with any mix of Stratos VMC's or Mini-VMC's, or with SD or HD protocols
- Multiplexing or straight lane configurations available

Customized Pre-Packaged Multiplex Kits for CWDM Video Transport over Single Fiber

- Up to 16 separate HD/SD video channels over single fiber
- Bidirectional configurations available
- Channel count and wavelength assignment customized to your application
- Web-based diagnostic monitoring port
- Universal dual voltage 110/240 V power supply
- All in a 1 RU space, based on VMCR racks

Battery Powered 4-Channel Video Media Converter Pack (VMCP)

- Up to 4 fiber channels in user configurable directions
- 4 ST or 4-Channel HxMA expanded beam connector input/output options
- QR-Gold Anton Bauer™ battery mount
- 20 hours typical run time with 160 watt-hour rated battery
- Visible VMC status LED's when closed

DViLiteBlock, DVI-D Digital Video Fiber Extenders (DVI-LBA)

- Extend distance up to 1,000 m. (3280 ft.) on 50 micron fiber
- Resolutions up to 1920 x 1200 (WUXGA) @ 60 Hz refresh rate
- USB mini-plug to type-A cable for power
- Single fiber multi-mode cable in either 50 or 62.5 micron
- SC fiber connector

Harsh Environment Expanded Beam Connectors

Hx1080™, HMA and HMC

- Rugged hermaphroditic construction
- Designed for multi-mate repeatability
- High performance easy-clean interface
- Optical insertion loss typically < -1.0 dB
- Non-contact optics
- Adapter-free deployment
- Field-repairable, flexible install options

Hx1080™

- SMPTE compatible
- Hybrid
  - 2 singlemode fiber
  - 2 low-voltage signal and
  - 2 auxiliary electrical conductor interface

HMA Series

- Multimode: 1-4 channel
- Singlemode: 1-4 channel

HMC Miniature Series

- Multimode: 1-4 channel
- Singlemode: 1-4 channel
- Industry's smallest expanded beam connector