

## STORE HOURS OF DATA IN A SMALL PACKAGE



STM-1/PDH RECORDER

PN: 701363

### MULTI-RATE CAPABILITY

- Designed for world wide use with auto ranging AC input power
- Small package for ease of transport
- File selectable playback

Designed for minimal size and power consumption, this recorder packs hours of data streams into a small package. This device consumes less than 50 Watts of power and is housed in an lightweight, aluminum enclosure. Hardware fits in half of a 1U space so that (2) units can be mounted, side by side, in a 1U 19" rack space.

With all controls located on the front panel, the operator has full control with the push of a few buttons using the menu driven display. The STM-1/PDH Recorder accepts a range of digital streams for STM-1 (155 Mbps) optical through E1 electrical, including all sub channel rates between and provides the same outputs for playback. The device records over 7 hours of STM-1 and much more at lower rates.

- Stand alone unit designed to save rack space (2 fit in 1U space)
- 7 Hours of continuous STM-1 optical and more lower rate electrical recording
- File naming capability
- Easy to read, adjustable 4 x 20 character LCD display
- All controls and indicators are located on the front panel
- All I/O on rear panel
- STM-1/OC-3 fiber optic interface with LC connectors
- Capable of single, multi mode or copper SFP transceiver

### OPTIONS

- Embedded Ethernet server for remote control and file transfer
- LVDS (RS644)/RS422 NRZ Clock/Data interface
- RS-232 command line via telnet
- Hot swap hard drives
- Single frame "snapshot" capability
- -48VDC power input
- Battery power pack



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<b>Optical Signal/Rate</b> STM-1/155.520 Mbps	<b>Connector</b> LC	<b>Device</b> MSA SFP Transceiver
<b>Electrical Signal/Rate</b> E4/139.264 Mbps T3/E3 - 44.736/34.368 Mbps E1/T1 - 2.048/1.544 Mbps	<b>Connector</b> SMB BNC Trompeter Concentric Twinax	<b>Device</b> Industry standard Industry standard CBBJR79
<b>Function</b> POWER LOS FRAME LASER User Readout	<b>Indicator</b> LED LED LED LED 4 x 20 Character LCD Display	<b>Detail</b> Indicates unit power is on Indicates Loss of Signal Indicates Frame Lock Indicates laser output is on Provides status and control settings.
<b>Function</b> NRZ I/O RS232 Command Line Ethernet File Transfer Hot Swap HDD Optical Frame Snapshot	<b>Connector</b> TBD 3mm stereo jack RJ45 n/a LC	<b>Detail</b> Select RS422,LVDS Special cable provided 10/10/1GE (2) 2.5" HDD Single frames

**Physical Characteristics**

Height: 1.70 (4.3cm)  
 Width: 8.50" (21.6cm)  
 Depth: 13.50" (30.5cm)  
 Weight: 5.0 lbs (11.0 kg)

Engineering development-hardware and firmware  
 Documentation packages-level2  
 Custom fabrication and packaging  
 Specialists in interface level conversion  
 Extensive line of interface equipment-mux/demux EI-STM64  
 Portable and battery operated hardware  
 COTS products, specialty cables

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