



Lumistar LS-68-M-P1 Multi-Stream Portable Lunchbox Telemetry Processing Simulation, Recording & Playback System



- Bit Synchronization
- Frame Synchronization
- Decommuation
- Real Time Telemetry Display
- Bit Error Rate Readers
- Data Recording & Playback
- Telemetry over IP (TMOIP)
- PCM Data Simulation
- IRIG Time Code Reader
- IRIG Time Code Generator
- PTP Network Time
- RF Transmitter Option
- Small Size / Weight / Power

**A Complete Baseband Telemetry Processing
Ground Station in a Lunchbox Case!**

LS-68-M-P1 Series Features:

- AC or Rechargeable Battery Operable w/Hot Swap
- Ground, Mobile, Airborne/Shipboard & Remote Ops
- Flexible/Extensible Firmware-Based Personalities
- Utilizes Lumistar's Cutting Edge LS-28-DRSM Technology
 - TM Processing About the Size of a Hard Drive!
- Up to Three Decoms or Simulators
- Dual Bit Synchronizers
- Supports Decryption
- Incorporates Lumistar's Legacy Real-Time TM Display Software (LDPS)
 - IADS Real Time Display Software Compatible
 - Build Your Own Software Displays using our ICD
- TTL and Differential High Speed 422 Outputs Simultaneously for Clock/Data
- Data Recording and Playback Option
 - 32 GB per data channel (three channels)
 - 9 hours at 8 Mbps
- Bit Error Rate Readers (up to 5)
- LDPC in accordance with IRIG 106 (Optional)
- PCM Simulation Capability (up to 2)
 - Similar to Lumistar's legacy LS-11 or LS-70 capability
- Low Power RF Transmitter Option (+5 dBm)
 - Multimode modulation, multiple band options (from lower L to C band)
- User Defined I/O Discrete Outputs
 - Allows Creation of Dozens of Optional "User Defined" Signals
 - Consult Factory
- No OS
 - Control / Status over Ethernet, USB and RS-232
 - User Friendly Lumistar App Provided
- IRIG Time Code Reader and Generator Capability
 - Used for Stamp of Ethernet Packets/Decom Data/Recorded Data
- Small Size and Weight
 - 16.5" x 13.0" x 6.8"
 - IP-67 Rated "Pistol" Case
 - ATA Specification 300, Military Standard C-4150J
 - Approx. 14 pounds
 - BUOYANCY: Waterproof (lid closed) / Floats in Salt Water
- AC or Optional Battery Operation
 - Up to 10 hour battery life w/ hot swap AC<>DC
 - 60 watts power dissipation (typical, w/o transmitter option)
- Available in Modular and 1U Rack Mounted Configurations