



Lumistar LS-68-M Series Multi-Stream Modular Telemetry Processing, Simulation and Recording System



Available Options:

- Bit Synchronization (up to 2)
- Frame Synchronization (up to 3)
- Decommutation (up to 3)
- Real Time Telemetry Displays
- Bit Error Rate Detection
- Data Recording
- Telemetry over IP (TMoIP)
- PCM Data Simulation (1 or 2)
- IRIG Time Code Reader/Gen
- PTP Network Time Reader
- RF Transmitter Option (LS-18 Series)
- Small Size / Weight / Power

**A Complete Baseband Telemetry Processing
Ground Station in the Palm of Your Hands!**

LS-68-M Series Features:

- Ground, Mobile, Airborne/Shipboard & Remote Ops
- Flexible/Extensible Firmware-Based Personalities
 - Fully Field Upgradeable
- Utilizes Lumistar's Cutting Edge Modular "LS-28-DRSM" Technology
 - Telemetry Processing About the Size of a Hard Drive!
- Up to Three Decoms up to 60 Mbps (*choose 1, 2 or 3 in a single unit*)
- Two Bit Synchronizers (*Optional*)
- PCM Simulation Capability (*Optional*)
 - Enhanced User Programmable PCM and PRN Simulation
 - Real-time Network or Flexible Playback PCM
 - Maximum 2 PCM Simulators per unit
- Supports Decryption Ops
- Incorporates Lumistar's Latest Generation Real-Time TM Display Software (LDPS_10x)
 - Supports IADS Real Time Display Software out of the box
 - Build Your Own Software Displays using our ICD
- TTL and Differential High Speed 422 I/O
- Data Recording (*Optional*)
 - 64 GB per data channel (three channels each, internally stored)
 - approx. 16 hours per channel at 10 Mbps
- CH10 real time recording or TMOIP publishing capability
 - Recorded data can be played back TTL/RS-422/TMOIP
- Bit Error Rate Readers (3)
- O-Scope Displays for Bit Synchronizer Input Visualization
- Viterbi Decoding available for Bit Sync Input Channels (*Optional*)
- No Commercial Internal OS
 - Control / Status over Ethernet, USB and RS-232
 - User Friendly Lumistar App Provided or Use Your Own
 - Compatible with IADS
- IRIG Time Code Reader and Generator Capability
 - Used for Stamp of Ethernet Packets/Framed Decom Data/Recorded Data
- IEEE-1588 Precision Time Protocol (PTP) Reader (*Optional*)
- Modular Unit Form Factor
 - 4.0" x 6.0" x 1.13"
 - Approx. 1.1 pounds
- DC Power
 - +9 to +42 VDC
 - 25 watts power dissipation (*Typical*)

Available in "Lunchbox" and 1U-12" Depth Rack Mounted Configurations