DATA TRANSPORT

(TMoIP, Ethernet Recording, Data Conversion and Distribution & Link Test)

Product Overview

ACROAMATICS
TELEMETRY SYSTEMS

- IRIG 218-20 Compliant
- Operation to 50Mbps
- IRIG106 Chapter 10 Output Capability
- IRIG106 Chapter 7 Decoding
- IRIG Time Tagging
- Bit Synchronizer for Digital Data Inputs
- Available with User Specific Packet Formats
- Low Latency: Programmable Latency Modes
- Frame Sync Modes for Byte Aligned Packets
- UDP/IP, TCP/IP & Multicast Operating Modes
- Link Test

Telemetry-over-IP Gateways

Model 2350/2351 Telemetry Gateway provides the necessary signal processing to pass telemetry data to or from an Ethernet network. User programmability permits the unit to function as a Telemetry-to-Ethernet converter (packetizer) or as an Ethernet-to-Telemetry converter (de-packetizer). Each channel is individually configurable as either a packetizer or de-packetizer. It is available in 2, 4 and 12 channel configurations. All units include an IRIG B time transport along with the data. Redundant power and fans are available with the unit. For applications requiring transport of PCM & Time, this is a single box solution in a compact 1U configuration that provides a higher MTBF and product availability than modular or PC based solutions.

Model 3500 Ethernet Data Recorder is a high data rate, large capacity streaming network recording system that utilizes mature and field-proven recording technology to deliver consistent, reliable recording/ playback of streaming IP telemetry data.

- Greater than 1GB/s Sustained Payload Recording Rate
- Standard Dual 10 Gigabit & Dual 1 Gigabit Ethernet Interfaces
- Separable Management & Data Network Interfaces
- Storage Capacities to 32TB
- AES Encryption (optional)
- IRIG Time

Data Conversion and Distribution

The **9200 Series Data Conversion and Distribution System** is a scalable product that can be user configured to convert and/ or distribute a large selection of data channels. The 9200 Series units are a cost-effective and flexible solution to a wide range of signal conversion and distribution applications. The 2U 19” rackmount unit can hold up to 16 pluggable modules, each with the ability to accept and terminate a variety of signal types (TTL, RS-232, Fiber, ECL, Analog, Time, Video) then convert signals to other industry standards.

- Hot-Swap Modules w/ 16 Module Slots
- Signal Distribution via Global & Daisy-chain Busses
- Redundant Power and Fans
- Fiber Transport Modules Available (Including CWDM)
- Remote Control & Monitoring Available
- Fixed Jumper Configured Modules
- Signal Conversion & Distribution: TTL, RS-232, Fiber, ECL, Analog, Time, Video

Telemetry Range Management Software offers complete control of all range assets (Telemetry Receivers, Best Source Selectors, TMoIP Transport Devices, Ethernet Recorders, Data Processors) in an intuitive user-friendly interface.

- 1 bps to 50 Mbps
- Jitter / Noise Performance Test & Plots
- IRIG Code Conversion, LDPC, Reed Solomon
- Pseudo-random & User Defined patterns
- Independent Transmit & Receive Sections
- Bit Error Measurements
- Link Delay & Acquisition Time Measurements
- TTL / RS-422 / Bipolar / ECL I/O

Data Link Test Sets

Model 650 Data Transmission Test Set fills the need for high performance data-link verification and qualification at an affordable price. The user is provided with independent transmit and receive functions to allow rapid fault isolation and data link characterization. **Model 652** Dual Channel Data Transmission Test Set provides the user with two totally independent channels. Each channel provides independent transmit and receive functions.

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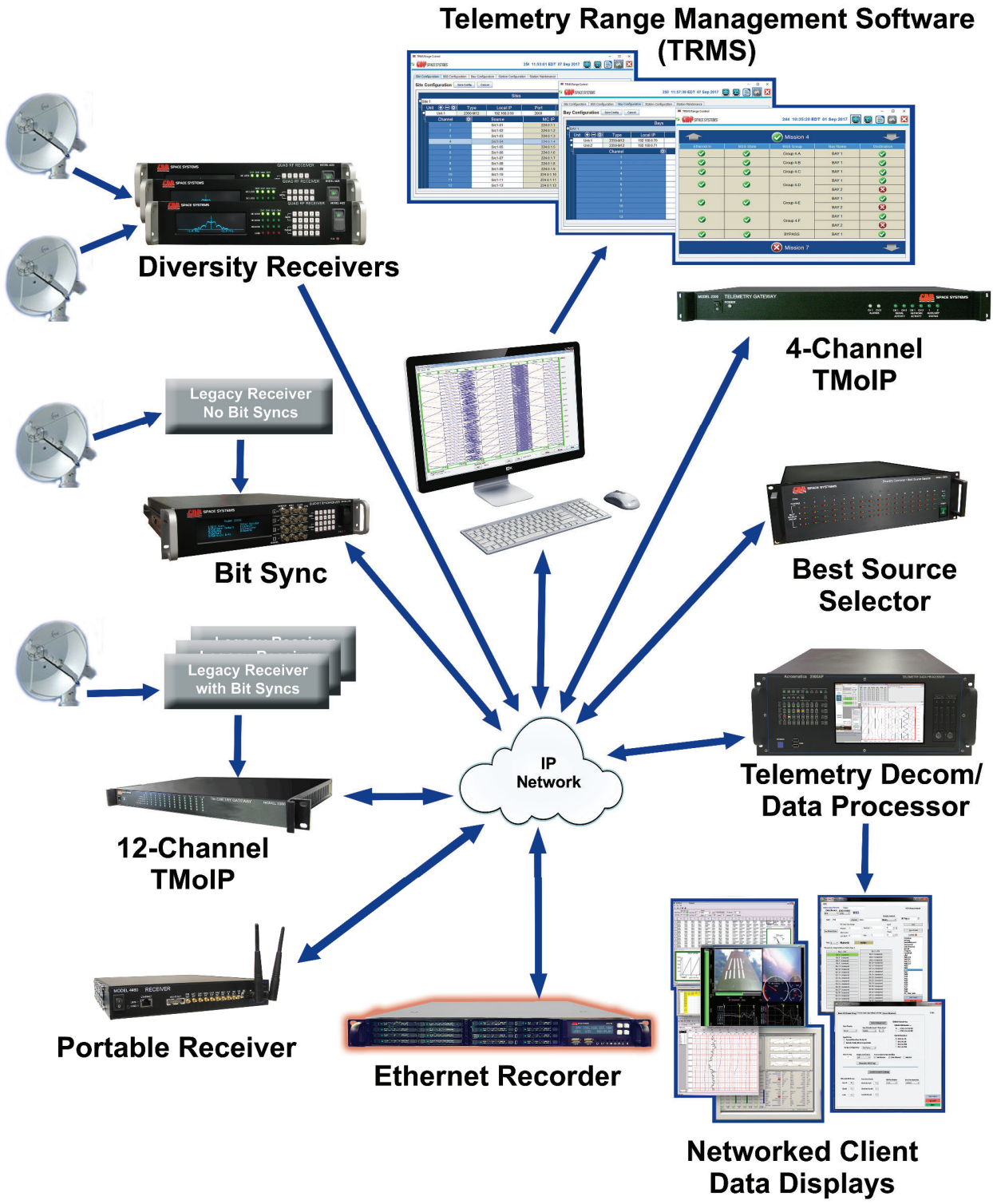

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