

Ch10 Recording

Bit Synchronization

Frame Synchronization

Best Source Selection

Decommuration

EU Conversion

Commutation

Data Distribution

inSIGHT Telemetry Provides an Unprecedented Capability to Deploy Telemetry Processing Systems

Acquire and process launch vehicle, missile, and satellite data with inSIGHT Telemetry's suite of telemetry applications. We offer the ability to combine or distribute the traditional functions associated with processing a telemetry downlink. No other product has the flexibility and configurability of inSIGHT Telemetry.

inSIGHT Telemetry integrates into your current ground telemetry system and evolves with you as you go forward

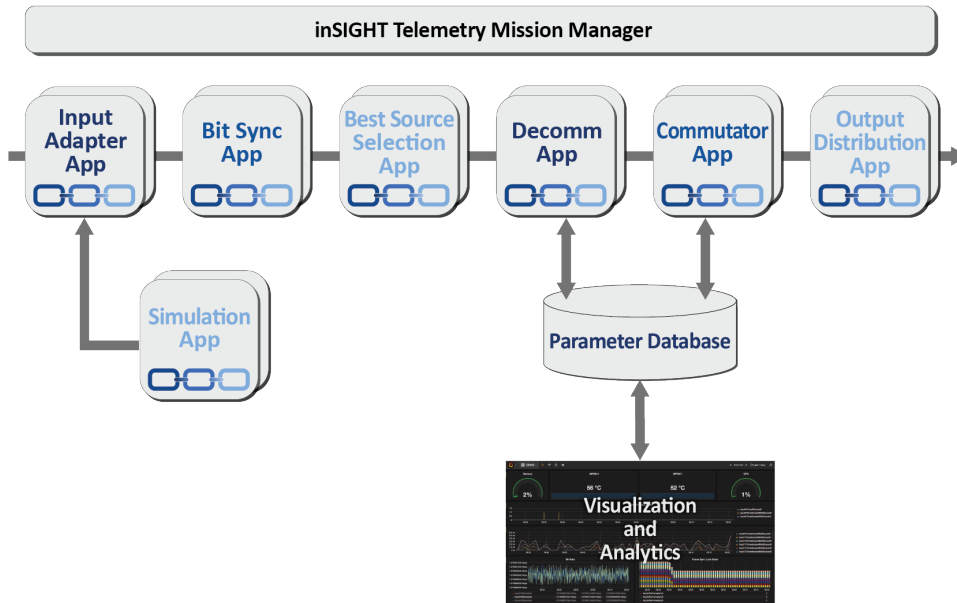
The product line utilizes modular software applications (Apps). These software Apps replace the telemetry functions often performed in proprietary hardware/firmware such as bit synchronization, frame synchronization, and decommutation. With today's commercial multi-core processors, these functions are performed in the inSIGHT Telemetry software at real-time speeds.

Choose only the Apps you need. The Apps available with inSIGHT Telemetry can be combined on a single server or hosted in a distributed architecture per mission's concept of operation (CONOP). Those applications can be redistributed or combined to support a new CONOP without re-work since they are the same original applications, just now operating at a different location.



INSIGHT

Telemetry Overview



Mission Manager and Mission Definitions configure the inSIGHT Telemetry Apps

Apps are deployed as needed to match the number of telemetry streams and processing requirements

Centralize or distribute the Apps per your ground system architecture

inSIGHT Telemetry Apps interconnect using network protocols and matrix switching software, which allows Apps to be added and deployed to support a specific mission configuration. Process more telemetry streams by adding the necessary Bit Sync and Frame Sync Apps. Need to record data at multiple locations; then start Chapter10 Recorder Apps where needed. Switch between TMoIP and serial data streams using the correspond Interface Adaptor App. inSIGHT Telemetry configures to your specific CONOPS.

Key Features

- Sophisticated Data Display, Trending, and Analysis
- Create, Save, and Restore Mission Definitions
- Import Existing Telemetry Format Definitions
- Self Documenting at Run Time
- Advanced Data Analytics
- Virtualized and Distributed Architectures
- TMoIP, Serial, Analog, 1553, and Other Data Interfaces
- Secure Linux Operating System
- Self Test