DataHUB is a multi-disciplined, open standards-based telemetry ground system. This 1U, 19” rackmount system provides up to 8x 50Mbps PCM channels (in/out), analog & video channels & 3 SFP Ethernet channels. A 2U version adds a Signal Expansion Module capability which increases PCM channel counts up to 32, provides digital bit synchronizers or add capability for other high-speed data busses. The core system is driven by an SoC, logic & Linux, not a Windows based host computing system. Command, control & status are via external discrete’s, CLI (RS-232 or TELNET) or Ethernet via a browser based GUI.

Coupling the DataHUB with NetView Data Fusion & Display software provides a complete telemetry data processing system.

**Features**
- 8 PCM, 2 Analog & Video, 3 Ethernet
- CH10 Record/Reproduce/Publish/Subscribe
- SoC Logic/Linux System
- IRIG 106 CH7/HDLC Encode/Decode
- GPS, PTP, NTP, IRIG-A/B/G TCG
- Removable NVMe Hard Drives
- Web GUI & CLI Interfacing
- DQM/DQE Best Source Selection

NetView Data Fusion & Display Software provides real-time decoding, processing, display and distribution from multiple IRIG 106 Chapter 10 data sources (including DataHUB’s) and other network-based instrumentation systems. It decodes, time aligns, processes and displays multiple independent data source types and formats in a single processing and display environment. NetView capabilities are extended with a complete SDK allowing the user to develop their own custom GUI displays and access the data structure for end user defined decoders and special processing of measurements.

**Features**
- Live, Replay & Publish/Subscribe
- Record/Reproduce CH10 UDP & DataHUB Streams
- Dock/Float Displays Across Monitors
- Raw Data Displays; 1553, PCM, Ethernet, etc.
- CH10 Data Exports
- RMM/Tape/CF Archive to Files
- Full Math Engine & Derived Parameters
- Auto Setup from TMATS Setup Records
- Full TMATS Import & Export
- Complete C# .NET SDK/API
Product Brief
Ground Systems & Data Fusion

As of 10-10-2019
Tomorrow’s Technology Today

DataHUB
- Analog
- Video
- 3 Ethernet SFP Publish/Subscribe
- 8 PCM In/Out @ 50Mbps
- GPS Receiver
- IRIG A/B/G, NTP & PTP 1588
- Removable NVMe Drives

FTI Specialist

NetView Data Fusion

Crew
Analysts