

Airborne Telemetry

AirDAS™

Next-Generation Airborne Data Acquisition System

Network-Capable Signal Conditioning and Encoding



FEATURES

AirDAS™ incorporates over 40 years' DAS experience from the world's leading airborne telemetry system provider. AirDAS features include:

- **Dual backplane architecture:**
 - High-speed internal 133 Mbps Bus for traditional PCM data acquisition
 - High-speed internal Packet Bus for block mode data acquisition
- **Standard PCM operation to 30 Mbps**
- **Gigabit Ethernet operation**
- **Automated system calibration, operational checkout and programming via Vista TEC**
- **Resolution to 16 b/w**
- **Accuracy $\pm 0.5\%$ standard, over complete environments**
- **Standalone or master/slave operation**
- **iNET/vNET compatibility**
- **Embedded IRIG Chapter 10 recording**
- **Rugged design for flight environments**

DESCRIPTION

AirDAS™ is L-3 TE's next-generation airborne data acquisition system, providing the latest signal conditioning and encoding functions in a complete, network-capable architecture.

BENEFITS

AirDAS utilizes the latest high-speed digital technology to:

- Address both current PCM-based and evolving networked system requirements in a single, future-proof platform
- Provide unmatched architectural flexibility as part of the comprehensive L-3 Telemetry Suite™ of products and services
- Accommodate large and small system configurations, with stand-alone, master and slave capability in the same box
- Interface with both NetDAS™ and Intellibus™ equipment to optimize overall system size, weight and performance
- Allow easy setup and reconfiguration using VistaTEC and standard PC-based hardware
- Adapt to both current and future flight test programs through complete field-reprogrammability
- Transfer settings and data seamlessly between airborne and ground elements using the Vista software platform
- Incorporate high-capacity flash data storage, eliminating or supplementing stand-alone recorder capability

AirDAS is further backed by L-3 TE's dedicated Customer Support organization, offering on-site training and support, a 24-hour technical support hotline, performance based logistics and guaranteed repair turnaround times. Hardware, software and services are all designed with the single-minded goal of helping the customer successfully complete the flight test program.



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