HSDAS – HIGH SPEED DATA ACQUISITION SYSTEM

Complete Network's High Speed Data Acquisition System is a state-of-the are solution for acquiring and recording 24 analog channels and converting them to digital using VXI Technology's 1433B Sigma Delta Analog to Digital Converters. With 16-Bit resolution and 196 Kilosamples/per second/per channel, the HSDAS represents cutting edge technology that delivers solid performance. The HSDAS features a user-friendly graphical interface and real-time displays of each individual channel.

SYSTEM HARDWARE

- VXI Chassis
- VXI Technology's Digital to Analog Converters
- IRIG – B timestamping
- Controller PC

SYSTEM SOFTWARE

- Real Time Monitoring of acquired data
- Adjustable data views
- System setup and user interface
- Application can be customized to clients requirements

SYSTEM SPECIFICATIONS

Number of Channels	24 Expandable to 64
Input Signal Range	+/- 10v
Input Bandwidth	Over 80 kHz
Accuracy	+/-0.01% of full scale
Crosstalk	Better than -80 dB (at 1Khz)
Input Impedance	2 MOhm – Differential (1MOhm to Chassis)
Maximum Conversion data Rate	196 KiloSamples/Second/Channel
Programmable Gains	Up to +/- 10v
Aggregate Data Rates	Over 10 MegaBytes/Second
Programmable Coupling	AC & DC
ADC Resolution	16-Bit
Form Factor	All Components 19" Rackable
Operational Temperature Range	0 to +50°C
Storage Temperature Range	-20 to 65°C
Relative Humidity	20 to 90% non-condensing to 40°C
Power Requiremnets	110v

COMPLETE NETWORKS, INC.

Integration Services