

The Extended I/O Solution provides the capability to seamlessly interface encoder, digital and analog data using the Vantage Programming Model for research and development in the NDE/T and biomedical fields.

- Allows for the referencing of position encoder data with ultrasound acquisitions and pulse on position operation
- Enables simpler integration of analog or digital data captured by external devices
 - Physiological data (e.g. EKG, temperature, arterial pressure, etc.)
 - Engineering sensor data (e.g. LVDTs, strain gauges, accelerometers, etc.)

Included:

- NI Multifunction I/O Card
- Licensed software for integration with the Vantage system

NI Multifunction I/O Card Specifications

Inputs	4 x 32-bit digital quadrature encoder inputs (accepts 5V TTL)
	16-bit analog inputs: 8 differential/16 single-ended (10V range, max. sample rate = 250 Hz)
	Up to 8 TTL digital lines (shared with outputs)
Outputs	2 x 16-bit analog outputs (10V range, up to 900,000 sample/s)
	Up to 8 TTL digital lines (shared with inputs)
Connector	68-pin VHDCI Connector
Installation	PCI Express

