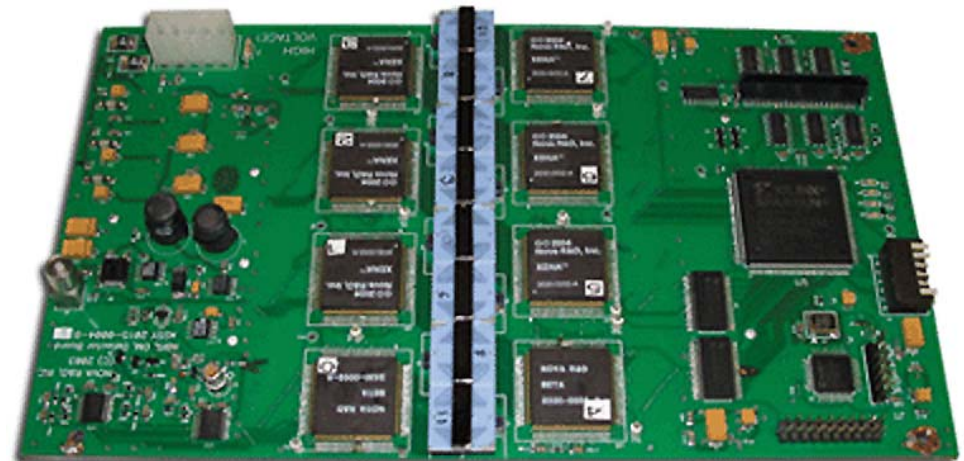




NEXIS™ X-RAY IMAGE SCANNER



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Riverside, CA 92507-2133, USA
Phone: (951) 781-7332 Fax: (951) 781-4858
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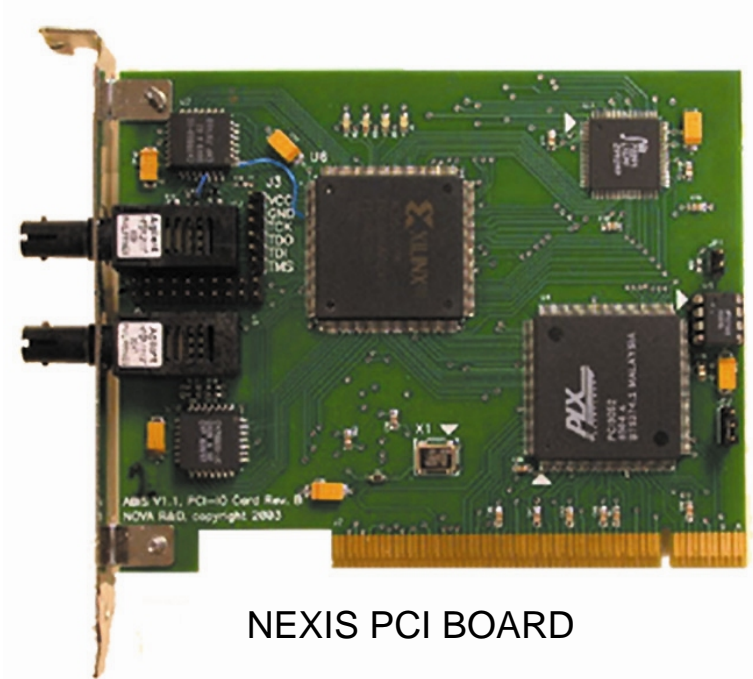


NEXIS™

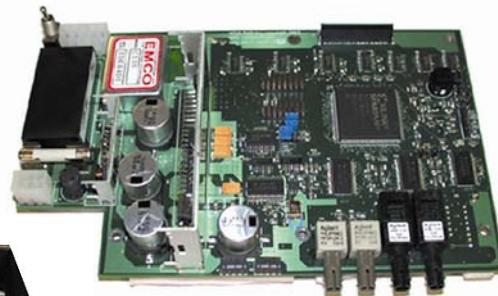
X-ray Detector Module

NEXIS (N-Energy X-ray Image Scanning) is a modular detector system designed for high-flux, multiple-energy x-ray imaging. It consists essentially of detector boards equipped with linear (CdZnTe) detector arrays read out by XENA signal processor chips.

The standard NEXIS™ system consists of: one detector board with eight socket strips for connecting eight CZT pixel arrays read out by eight XENA™ ICs; one control board; one custom PCI I/O which goes into a Windows platform PC; a metal enclosure; control and data acquisition firmware and software; and cables for the system. The CZT detectors come in the form of (2x16) 1mm or (1 x 32) 0.5mm pixel pitch arrays with 1.75mm or 3 mm thickness.



NEXIS PCI BOARD



NEXIS CB BOARD



NEXIS DETECTOR MODULE

NOVA R & D Inc.

Features:

- Multiple-energy imaging
- Fast photon counting
- Modular, scalable construction
- Advanced components optimized for manufacturability
- Automated materials recognition
- Scatter elimination via energy discrimination
- Real-time object scanning
- High throughput inspection