FOR IMMEDIATE RELEASE

Press Release: Advanced Optical Systems, Inc. AOS Announces

New Hardware Products For The Embedded Processing Industry

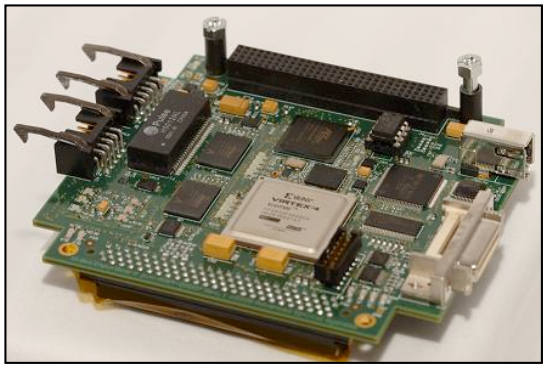
Monday June 28, 2010

(Huntsville, AL) – Advanced Optical Systems (AOS) is excited to provide two new products to the embedded processing industry. Leveraging over 20 years developing state-of-the-art image processing technology, AOS has developed the PCI-104-3000 Image Processing and Acquisition Board and the PCI-104-4000 Signal Processing Board. Both boards were developed to support the processing needs of NASA and the United States Army in applications that required both high data transfer rates and high computational throughput.

"The launch of the AOS 3000 and 4000 product lines makes an unprecedented amount of FPGA processor capability available in the convenient PCI-104 format," said Joel Hannah, Electronics Engineering Product Manager for AOS. "By providing an integral data bus, the PCI backplane will no longer be the bottleneck for high bandwidth image processing applications."

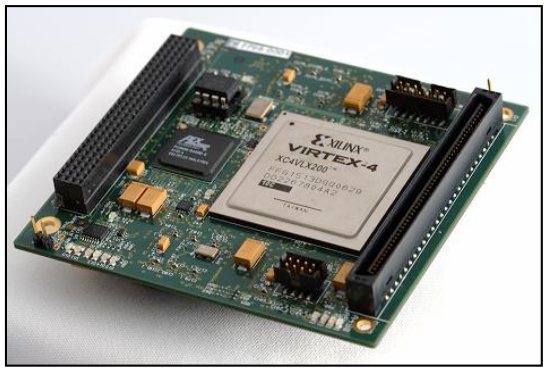
"We're very excited about the potential these products give our customers for delivering even more innovative sensor system solutions," said Dr. Richard Hartman, CEO of AOS. In the coming months, AOS expects to continue developing exciting new digital image processing technology.

PCI-104-3000



The AOS PCI-104-3000 provides the computing power for today's most challenging video acquisition and signal processing applications. It incorporates industry standard high frame rate sensor interfaces including FireWire (1394a), Camera Link (Base), and Gigabit Ethernet; with a reconfigurable processing engine based on Field Programmable Gate Array (FPGA) technology. The PCI-104-3000 also provides a high bandwidth auxiliary bus for transferring large blocks of processed data to another board (such as the PCI-104-4000) for further processing or for user-defined input/output. If your application requires multiple sensor input options, real-time digital signal processing capacity and high bandwidth parallel computing all in a small package, the PCI-104-3000 is the right solution.

PCI-104-4000



The AOS PCI-104-4000 is a high bandwidth computing platform with the resources required for execution of today's most complex data processing algorithms. Incorporating four bands of SRAM memory, this card supports highly parallelized algorithms such as those required for 2D and 3D image processing, radar processing and neural network engines. A large reconfigurable FPGA

onboard the PCI- 104-4000 provides the user with the computational power for applications where a traditional CPU will not get the job done. The PCI-104-4000 also provides a high bandwidth auxiliary bus for transferring large blocks of data to other boards (such as the PCI-104-3000) in the users system for input/output or further processing.

AOS is a Veteran Owned Small Business (VOSB) located in Huntsville, Alabama's high tech hub. AOS is an AS9100 certified company specializing in the delivery of image processing, proximity operations, and target recognition hardware and software to the DOD and NASA.

For additional information about these AOS products, please contact:

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http://www.aos-inc.com/index.php/products