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Designers of Next Generation Vision Systems to Get Boost from New COTS High Density FPGA Platform Without the Power Overhead

June 4, 2008, Amsterdam -- low power consumption without compromising performance is promised by the [FM577 FPGA platform](#) introduced by [4DSP](#). Aimed at the next generation of vision systems, the innovative design company has created the new PMC based on a dual ALTERA® Cyclone III FPGA devices architecture. This maximizes performance while keeping costs low.

The FM577 features the highest density Cyclone III FPGA EP3C120 for data acquisition and processing as well as the middle range EP3C40 for communication interfaces. Both FPGA devices offer a total of 160K logic elements; 400 plus 18-bit embedded multipliers at 260MHz and up to 5-Mbits of on-chip SRAM. With up to 4GBytes of DDR2 SDRAM available on board, the FM577 is more than capable of meeting the needs of demanding image processing applications.

“The dual Cyclone III PCI mezzanine card provides a cost-effective alternative to conventional signal processing accelerators while keeping power consumption low,” said Arnaud Maye, embedded systems manager at 4DSP.

The FM577 is a smart and cool FPGA platform for original equipment manufacturers (OEMs) who wish to integrate [Camera-Link frame-grabbing](#), high-performance imaging processing and real time [JPEG2000 compression](#) in a small form factor and at low cost.

Available off the shelf, the FM577's comes with a free 'Board Support Package' that helps developers to start designing applications immediately. For more information please visit the 4DSP web site at, www.4dsp.com/FM577.htm or send an email to info@4dsp.com.

More Information

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Additional Notes

4DSP is an innovative hardware manufacturer of small and compact [DSP](#) and [FPGA](#) based systems designed in PMC and XMC form factors. The 4DSP premium board architecture is reconfigurable, flexible and scalable. Built around a mix of co-accelerator FPGA devices and embedded hardware and software processor cores, 4DSP's hardware platforms deliver unmatched performance in advanced digital signal processing applications for embedded computing systems. 4DSP's FPGA-based platforms are typically used to perform fast data acquisition and data recording, high-end parallel processing and algorithms acceleration. More details at www.4dsp.com.