

Featured Highlights:

- [Register Now: 2005 Code:DSP Video, Image & Signal Processing Seminar](#)
- [DSP Benchmark Results: Altera Performs 2x Faster Than Competition](#)
- [Visit Altera's Updated Code:DSP Solutions Center](#)
- [Shorten Design Time With New Cyclone II DSP Dev Kits--Now Shipping!](#)

Software

[New Release: DSP Builder 5.0 Supports The MathWorks Latest Software--Download Now](#)

Speed up your system simulations and shorten your debugging time using the latest version of DSP Builder. This tool links Quartus® II software with The MathWorks MATLAB/Simulink, industry's leading tool for model-based design, allowing designers to directly create DSP hardware designs.

Devices

[DSP Benchmark Results: Altera Performs 2X Faster Than Competition](#)

Altera's Stratix® II and Cyclone™ II FPGAs are enabling designs that demand premium DSP performance in areas such as video and image processing and high-speed digital communications while delivering the lowest-cost per channel. [Download White Paper](#)

Intellectual Property Cores & Development Kits

[Shorten Design Time With New Cyclone II DSP Dev Kits--Now Shipping!](#)

Altera's latest DSP development kit features Altera® Cyclone II FPGAs and Texas Instruments ADS5520 A/D converters. The comprehensive platform allows engineers to design, prototype, and debug DSP applications for wireless infrastructure, test and measurement, medical diagnostic, and imaging equipment.

Events, Net Seminars & Training

[Register Now: 2005 Code:DSP Video, Image & Signal Processing Seminar](#) **Free**

Coming in June to several locations in North America & Europe

Altera's complimentary full-day seminar will show you how to implement the

Q2, 2005



next-generation of FPGA-based system architectures that boost DSP performance and lower overall costs.

[View the "Digital Video Display Applications With Low-Cost FPGAs" Net Seminar](#) **Free**

This net seminar focuses on the latest digital television video display technologies as well as the benefits and features for designing flat panel displays with Altera's newest low-cost Cyclone II device family.

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Support & Literature

[Visit Altera's Updated Code:DSP Solutions Center](#)

The Altera DSP Solutions Center has comprehensive, up-to-date information and resources for DSP designers who want to reap the benefits of programmable logic.

[Find All of Altera's Latest DSP Product Documentation Quickly](#)

Do you need to know more about Altera DSP solutions? All the latest information on Altera's DSP products, including application notes, DSP Builder, IP Cores, development kits, and reference designs, are in one location.

Partner News

[Altera, ATEME Demonstrate Industry's First FPGA-Based H.264/AVC Encoder](#)

Altera and ATEME demonstrated the industry's first FPGA-based H.264/AVC real-time video encoder at NAB2005. Utilizing Stratix II FPGAs, the ATEME solution enables broadcast video quality and is available as an IP solution.

[GiDEL Ships PROCStar II DSP Development System Featuring Industry's Largest FPGA From Altera](#)

Featuring up to four Stratix II EP2S180 devices, the PROCStar II system gives designers a high-capacity, high-speed, dynamically reconfigurable FPGA-based design platform for applications such as machine vision and video processing, as well as aerospace and military systems.

[Inlet Technologies Using Altera's Stratix FPGAs for Real-Time High-Definition VC-1 Video Encoding](#)

Inlet Technologies is leveraging the performance of Altera's Stratix series of FPGAs for Fathom, the industry's first professional real-time encoding solution for VC-1, an advanced compression format for high-definition video content.

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