

Complete DSP Kits for Education

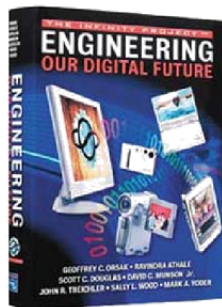
Better tools for teaching

Simplified DSP Software

DSP Software Details

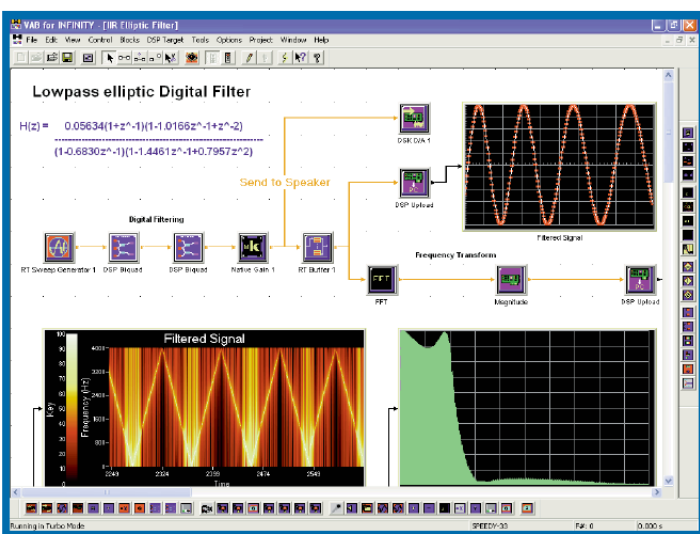
The VAB software included in the DSP Education Kit has been derived from software costing thousands of dollars, and benefits from over a decade of engineering and customer feedback. The driving goal of VAB is for the student to be able to easily load examples and create their own applications that run on the DSP without needing any prior courses in C/assembly language, or DSP debugging.

The ability for students to work with live signals through VAB DSP software is an important part of the interactive nature of the DSP Education Kit. The students' ability to understand the concepts being taught is reinforced with the use of actual real world signals.



Application Area

| | |
|--------------------------|------------------------------|
| Communication | Analysis of Music |
| Modulation, Demodulation | Digital Production of Music |
| FSK, PSK | Image Processing |
| Noise Analysis | Image construction, Analysis |
| Heterodyning, Mixing | Two Dimensional Filtering |
| Information Processing | Image Manipulation |
| Signal Compression | Speech Processing |
| Digital Filtering | Speech Analysis |
| Feature Extraction | Filtering |
| Quantization Effects | Machine Vision |
| Pro Audio | Object Detection |
| Audio effects, etc. | Image Thresholding |
| Digital Music | Object Tracking |
| Synthesis of Instruments | |

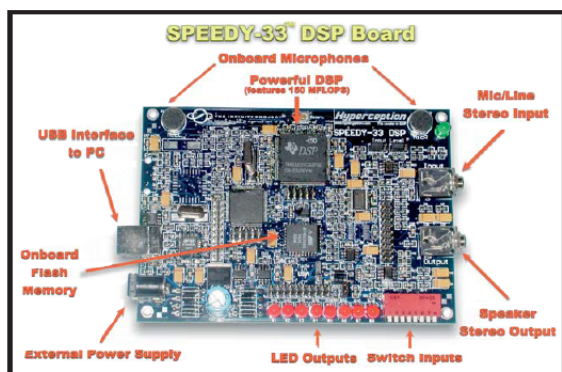


Advanced DSP Robot Kit

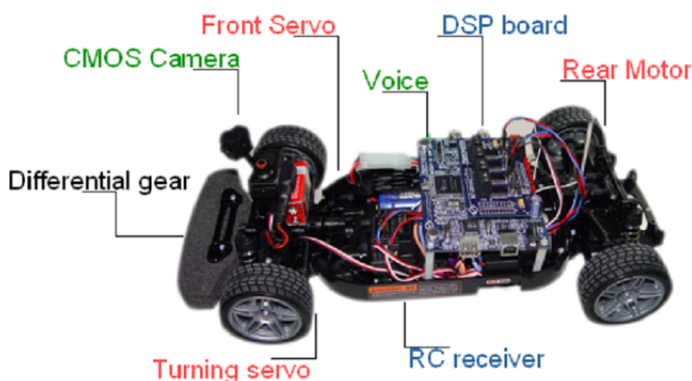


The Advanced DSP Education Kits support radio control of the DSP and capability for the DSP to control motors and servos

Flexible DSP Hardware



SPEEDY-33, the standard DSP hardware included in the kits employs a floating-point DSP with flash memory, on-board microphones and more!



DSP Technology Kits to Support Engineering Education

- The DSP Education Kit provides an intuitive, component-based DSP design environment with many application examples
- Book by Prentice Hall supports teaching with the kits
- Adds an excitement factor to teaching DSP and related Areas
- Provide students with a positive "hands-on" DSP experience to increase the sense of achievement

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