

Media Player Starter Kit

Product Description

The Blackfin media player starter kit provides you everything you need to get started on a media player application using a Blackfin EZ-KIT Lite and included software to perform audio and graphic related tasks. Learn how to render audio contents and images to the onboard peripherals from the onboard storage devices such as the hard drive and memory sticks. The SDK contains source code, "how to" documents and various decoders that makes getting started easy and shortens the learning curve.

Features

SDK CD with example image and video processing code, multimedia algorithms (e.g. JPEG, AAC and others), graphics libraries and more.

ADSP-BF527 EZ-KIT Lite® or ADSP-BF548 EZ-KIT Lite® evaluation board with evaluation version VisualDSP++®



SDK Contents

- **Multimedia algorithms, including:**
 - JPEG encoder and decoder and documentation
 - AAC decoder and documentation
 - MP3 decoder and documentation
 - Video and image processing utilities
 - Relevant Application Notes

- **High-speed Blackfin and PC communication drivers and utilities**

Device drivers, including:

- AD1980 Stereo/Mono audio codec
- NL6448 LCD display

Applications with Source Code:

- Use of Micrium's uC/OS-II embedded operating system
- Render to the onboard LCD screen
- Audio decoding
- Use of SD memory and on board hard drive (if applicable)
- Use of files system to read and access directories and files
- Use of threads to process user input from onboard devices while playing out media data

Minimum Requirements

- 512 megabytes of RAM
- Pentium® 1 GHz
- 2 GB hard disk
- VisualDSP++ 5.0 for Blackfin Processors and Update 6
- SDK 3.11 or higher