



ESPICO

Specialists in Speech and Audio Software Development

Dolby® TrueHD Consumer Decoder

Dolby® TrueHD is a next-generation audio coding technology that enables delivery of pure, lossless, multichannel audio. The expanded range of metadata support in Dolby® TrueHD gives content creators advanced control over the audio playback process, ensuring superb performance for all types of listening environments.

Dolby® TrueHD has been designed specifically with the needs of next-generation high-definition in mind, offering higher data rates, more audio channels, and unparalleled flexibility, allowing the content provider to deliver high-resolution, multichannel, source-master-quality soundtracks directly to the consumer's playback system.

The ESPICO implementations are based on the Dolby reference model with proprietary optimisations to reduce memory and MHz requirements. Contact ESPICO for specific resource requirements.



Features

- ◆ Fully tested and qualified by Dolby
- ◆ Supports sampling frequencies from 48 to 192 kHz
- ◆ Supports wordlengths from 16 to 24 bits
- ◆ Operates at data rates up to 18 Mbps
- ◆ Supports up to eight channels of audio

Availability

ESPICO's optimised solution can be ported to any platform. Platforms supported include:

- ◆ ZSP Cores including ZSP400, ZSP500, ZSP800 families
- ◆ ARM including Cortex and Neon™
- ◆ MIPS32 74K™
- ◆ Ceva DSP Cores

Applications

- ◆ Blu-ray Disc™
- ◆ HD DVD

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