



## ESPICO

Specialists in Speech and Audio Software Development

### MPEG1 Layer III Audio Encoder

ISO/IEC 11172-3 (MPEG 1) defines methods for compression/decompression of up to two channels of audio data sampled at 32, 44.1, 48 kHz at bit-rates from 32 to 384 kbit/s.

Three related methods are described referred to as Layer I, II and III. Layer III offers the highest compression for a given audio fidelity but requires the highest complexity.

ESPICO's highly optimised implementations have low memory and MHz requirements. Contact ESPICO for specific resource requirements.



#### Features

- ◆ Encodes MPEG1 (ISO/IEC 11172-3) audio bitstreams
- ◆ Bitstreams are compliant with ISO/IEC 11172-4:1995(E) conformance standard
- ◆ CBR, VBR and free format support
- ◆ Compile time customization options for reduced memory footprint:
  - Layer II Enable/Disable
  - Layer III Enable/Disable

#### 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

- ◆ Set-top boxes
- ◆ In-car audio
- ◆ Mobile phones
- ◆ Digital radio

### Contact ESPICO Ltd

ESPICO Ltd  
Beaufort House  
Devauden, Monmouthshire NP16 6PE  
United Kingdom

Phone: +44(0) 1291 650426  
Fax: +44(0) 1291 650426  
E-mail: [enquiries@espico.com](mailto:enquiries@espico.com)  
[www.espico.com](http://www.espico.com)