

## PRODUCT DESCRIPTION

The Pixtree MP3 Decoder is an optimized implementation of MPEG-1/MPEG-2 Layer 3 and MPEG 2.5. The MP3 Decoder supports sampling frequencies from 8 kHz to 48 kHz and all bit-rates specified by the International Standard (ISO/IEC 11172-3 and ISO/IEC 13818-3)

## FEATURES

Supported bitstream features	Compliance	MPEG-1 Layer 3
		MPEG-2 Layer 3
		MPEG-2.5
	Channel mode	mono, stereo
	Sample rates (kHz)	8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48
	Bit rates	up to 288 kbps @ 48kHz stereo
	Frame length	576(MPEG-2) or 1152(MPEG-1) samples
File formats	MP3 file format	
Supported Software features	Supported library formats	ADS 1.2, RealView 3.0
		WinCE (Embedded Visual C)
	Data Memory	can be allocated at run-time
	API	C callable interface

## DECODER PERFORMANCE & MEMORY REQUIREMENTS

	ARM7TDMI	ARM9E
Complexity	25 MHz	18 MHz
Code ROM	50 kB	50 kB
Constant Data ROM	33 kB	33 kB
RAM	30 kB	30 kB

- Complexity Information - Profiled on ARM9E & ARM7TDMI, with zero wait state memory interfaces for typical stereo music content at 44.1 kHz.

## DELIVERABLES

- MP3 Decoder Library : Binary
- Spec sheet