

## MPEG4 AAC ENCODER

Adaptive Digital Technologies, Inc.

### PRODUCT DESCRIPTION

The Adaptive Digital Technologies MPEG4-AAC (LC/LTP) encoder compresses audio to low bit rates while maintaining near CD quality.

### FEATURES

- Encoder implements AAC Low complexity (LC) profile of the standard up to one channel (mono) and two channels (stereo).
- Supports ADIF (Audio Data Interchange Format), ADTS (Audio Data Transport Stream) and RAW output formats.
- Supports all necessary tools and features, so that the given algorithm is standard compliant.
- Compliant with XDAIS specification.



Strategic member of the TI Third Party Network



eXpressDSP™ Compliant

### AVAILABILITY

ADT MPEG4 AAC Encoder is available on the TMS320C5000™ DSP Platform C55x™ DSP Generation

### SPECIFICATIONS

**Sampling Rate:** The MPEG4 AAC Encoder supports sampling frequency from 8kHz to 96 kHz as specified by the standard.

**Bit Rate:** The MPEG4 AAC Encoder supports all bit rates specified by the standard.

### C55X

#### Cycles Information – Profiled on TMS320C5510

Configuration	Test File Parameters	MIPS(Max)	MIPS(Avg)
MPEG4_AAC_5510	64kbps_44.1khz_stereo	71.74	63.13
MPEG4_AAC_5510	64kbps_44.1khz_mono	41.53	31.36

### Memory Statistics

All Memory usage is given in units of kilobytes.

Configuration	Program Memory	Constants	Scratch	Instance
MPEG4_AAC_5510	49.27	27.57	6.25	42.88

▣ \_\_\_\_\_ Last update: 10/18/2005

### FUNCTION

*AAR\_create(...)* creates an instance of the encode algorithm and returns a handle to the object

*AAR\_encode(...)* processes the encoder

*ALG\_delete(...)* delete encode algorithm instance



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