



ESPICO

Specialists in Speech and Audio Software Development

aacPlus, aacPlus v2, HE-AAC, E-AAC+ Level 2 to 5

aacPlus is a combination of three MPEG technologies: Spectral Band Replication (SBR), Parametric Stereo (PS), and Advanced Audio Coding (AAC). With this state-of-the-art audio coding scheme, it is possible to achieve high-quality audio in stereo at bit rates as low as 24 kbps. The combination of SBR and AAC is called "aacPlus v1" and is standardized as High Efficiency AAC (HE AAC) profile in MPEG-4. The combination of all three tools is called "aacPlus v2" and is also standardized in MPEG-4 as the HE AAC v2 profile.



The ESPICO implementations are highly optimised, realising low memory and MHz requirements. Contact ESPICO for specific resource requirements.

Features

- ◆ MPEG-2 and -4 low-complexity AAC (AAC-LC), level 5
- ◆ aacPlus v1 (MPEG-4 HE-AAC profile, level 5)
- ◆ aacPlus v2 (MPEG-4 HE-AAC v2 profile, level 2)
- ◆ 3GPP Release 6 and 3GPP2
- ◆ Supports 2, 5.1 and 7.1 optimized build options
- ◆ Supports file formats ADIF, .mp4/m4a, .3gp
- ◆ Supports streaming formats ADTS, LATM/LOAS, RAW

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

- ◆ Mobile devices
- ◆ Set-top boxes
- ◆ Portable media players
- ◆ Digital radio

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