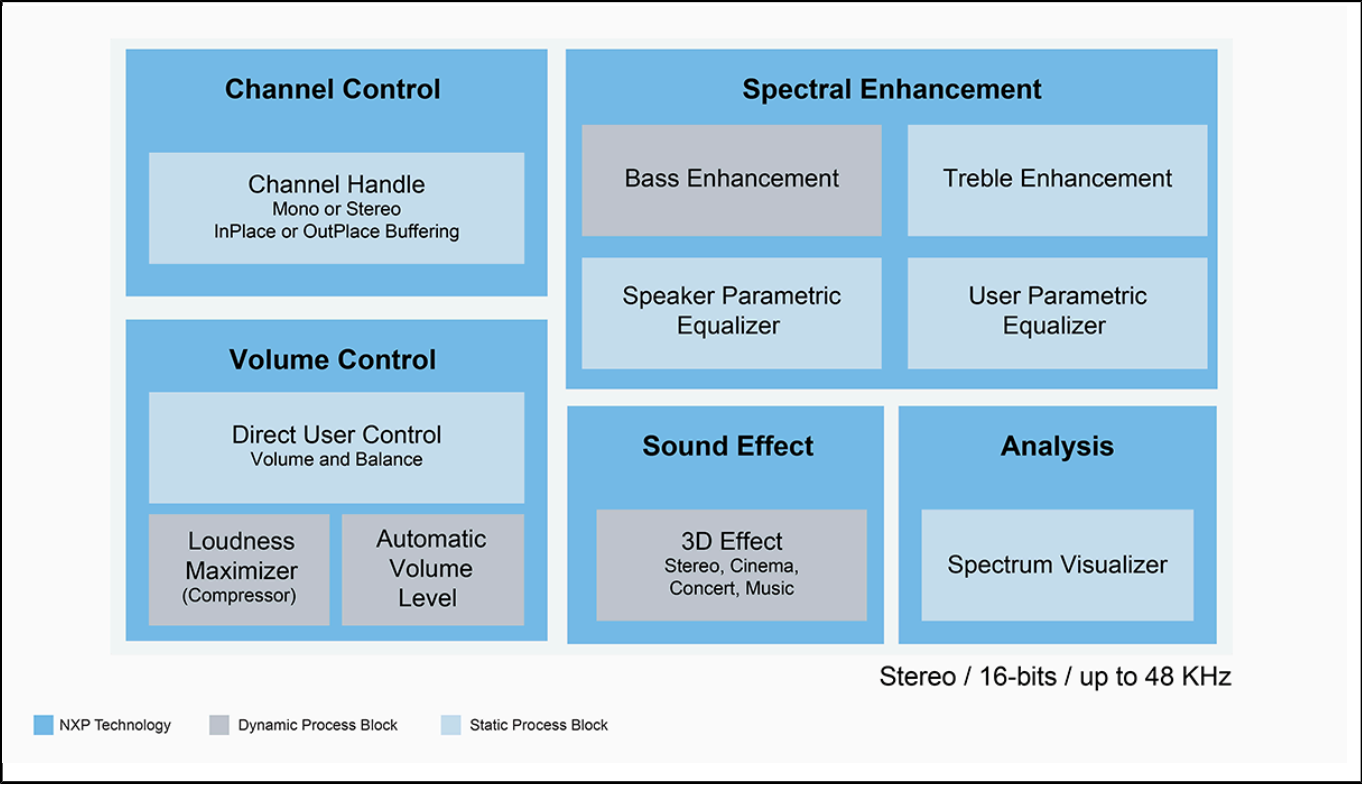# 基本音频处理库

ESSENTIAL-AUDIO-PROCESS-LIBRARY

Last Updated: Apr 10, 2022

恩智浦基本音频处理(EAP)库是一组音频处理块，用于增强音频应用中声音的音调和空间感知。它包括一系列声音处理算法，可以根据您的应用进行调整，以创建高品质的收听体验。EAP库是免费附送的，可与支持的恩智浦设备一起使用，在MCUXpresso SDK中以预编译库的形式提供。

EAP附带一个调优工具，该工具可以在Windows® PC平台上模拟库的行为。调优工具使您能够收听和比较音频效果，找到合适的调整参数设置，并将参数导出到兼容的C头文件中。

Essential Audio Processing Library Block Diagram Block Diagram

Channel Control

Channel Handle
Mono or Stereo
InPlace or OutPlace Buffering

Volume Control

Direct User Control
Volume and Balance

Loudness Maximizer
(Compressor)

Automatic Volume Level

Spectral Enhancement

Bass Enhancement

Treble Enhancement

Speaker Parametric Equalizer

User Parametric Equalizer

Sound Effect

3D Effect
Stereo, Cinema, Concert, Music

Analysis

Spectrum Visualizer

Stereo / 16-bits / up to 48 KHz

- NXP Technology
- Dynamic Process Block
- Static Process Block

View additional information for 基本音频处理库.

Note: The information on this document is subject to change without notice.