ALANGO COMPANY NEWS
November 11, 2019

Alango Far-Field Voice Enhancement Package is now available on NXP RT600 processor

The i.MX RT600 is a cross-over processor family optimized for 32-bit immersive audio playback and voice user interface applications combining a high-performance Cadence® Tensilica® Hi-Fi 4 audio DSP core with a next-generation Cortex-M33 core. The i.MX RT685 family provides up to 4.5MB of on-chip SRAM and several high-bandwidth interfaces to access off-chip flash. In addition, the family offers a rich set of peripherals, advanced security capabilities and extremely low-power consumption with reduced power modes and fast wake-up times. The processor is now in pre-production stage, for more information please visit:
https://www.nxp.com/products/processors-and-microcontrollers/arm-microcontrollers/i.mx-rt-series/arm-cortex-m33-based-family-of-crossover-processors:i.MX-RT600

Alango Voice Enhancement Package (VEP) is a set of Alango proprietary far-field voice enhancement technologies developed to improve human to machine interaction in a variety of applications. Voice Enhancement Package incorporates:
- multi-microphone acoustic beamforming
- stereo echo cancellation
- noise reduction
- automatic gain control
- direction of arrival finding.

The package is fully configurable supporting various microphone configurations and direction finding strategies. VEP has been optimized for a variety of computational platforms and is an efficient preprocessing solution for the following DSP and MCU cores: ARM Cortex, Cadence Tensilica HiFi, CEVA Teaklite and X2, and Synopsys ARC. For more information about VEP please visit
http://www.alango.com/voice-enhancement-package.php

Alango cooperated with NXP and Cadence to demonstrate an early stage porting of Alango Voice Enhancement Package (VEP) at CDNLive in Taiwan on August 13 of this year. This porting fully complies with NXP Xtensa Audio Framework (XAF).
HiFi DSP audio framework, provides a standard operating system (OS) agnostic software framework to interface audio, voice, and sensor functions running on the HiFi DSP to higher level applications.
For more information about availability of Alango VEP and other Alango digital sound enhancement technologies on NXP RT600 processor please contact sales-il@alango.com.

Upcoming Events

Visit Alango at CES 2020 to see and hear demos of our latest sound enhancement technologies.

We'll be on the 2nd floor of the Sands, booth 40219.

Click here to set up a personal meeting or email Robert Schrager at robert.schrager@alango.com.

Watch online: In-car AVQ Demo Video

Alango Automatic Volume & Equalization technology (AVQ) uses a microphone to continuously monitor ambient noise level and spectrum. It adjusts your music accordingly, amplifying and equalizing it in response to changing noise conditions.

Watch the video here.

W&H BeHear® ACCESS: Available Soon

Alango's Wear & Hear division announced BeHear® ACCESS, a Personalized Hearing Amplifier headset with integrated telecoil receivers; expected availability November 2019.

Read more about BeHear® ACCESS here.