Always On / Always Listening, Sound Enhancement & Voice Interface Technologies: Use cases, Implementation, Market Growth, Competitive Assessment

Description:
Voice is rapidly becoming one of the key user interfaces across many markets from smartphones to smart home. While voice control has been available for many years, it has advanced significantly recently and the increasing integration of virtual digital assistants (VDAs) into common consumer devices is driving awareness and adoption of voice as a natural user interface for many everyday tasks. This is driving increasing need for supplementary products such as always listening technologies, speech enhancement algorithms and microphones.

This study builds on a range of studies on audio technology markets including it's recently published work on Smart Microphones.

It presents the technologies behind always on, speech enhancement and voice interfaces, their use cases and implementation. The study includes analysis of a wide range of end markets from smartphones to automotive and presents forecast from 2015 to 2020 for the major technologies. It assesses the current competitive environment for always on, speech enhancement and voice interface technologies as well as related hardware (microphones and voice processors), covering supplier relationships, providing company profiles and analysis on market players.

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