PRESS RELEASE

Realtek Offers Fraunhofer MPEG-H TV Audio System Decoder for their RTD2871 UHD TV System Solution

Erlangen, Germany: The world-renowned experts in audio and media technologies from Fraunhofer Institute for Integrated Circuits IIS and Realtek Semiconductor Corp., one of the world's leading network and multimedia IC providers, today announced the porting of the MPEG-H TV Audio System decoder to Realtek's RTD2871 Ultra High Definition Television (UHD TV) system solution has been completed.

The MPEG-H TV Audio System is the first next-generation audio system used for over-the-air TV broadcasting, as seen by Korea's new UHD TV service which launched in May 2017. The MPEG-H TV Audio System is part of the ATSC 3.0 standard as well as the latest version of the DVB Audio Video coding specification.

MPEG-H provides the ability to personalize the audio mix

The MPEG-H TV Audio System implementation provides consumers with advanced capabilities, such as immersive sound for a natural listening experience, the ability to personalize the audio mix and tailoring playback to sound best on any device and in any environment. For providers of broadcasting and streaming services, the MPEG-H TV Audio System enables a cost-efficient way of offering their audience a much richer sound experience.

In close collaboration with Fraunhofer, who substantially contributed to the open ISO standard MPEG-H 3D Audio, Realtek swiftly added the MPEG-H TV Audio System decoding capabilities to their latest and most advanced solution for television sets and set-top boxes. First samples of Realtek's RTD2871 UHD TV system solution will be available later this year.

To learn more about the MPEG-H TV Audio System, visit www.iis.fraunhofer.de/tvaudio.

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FRAUNHOFER INSTITUTE FOR INTEGRATED CIRCUITS IIS

Statements:

"The availability of the MPEG-H TV Audio System decoder in Realtek's widely adopted chip solutions meets the increasing demand for TV products with stunning new sound capabilities. We are very happy that the Korean broadcasters and TV manufacturers went ahead to give their consumers a new dimension of sound entertainment at home or on the go, and we look forward to other countries following their example."
Harald Popp, head of the Business department at Fraunhofer IIS' Audio and Media Technologies division

"We are very happy to cooperate with Fraunhofer IIS and leverage their expertise in audio technologies, especially in MPEG-H TV Audio System Decoders. Using their state-of-the-art MPEG-H TV Audio System Decoder in our RTD2871 UHD TV system solution enables us to quickly introduce high-performance fully-featured products that deliver the best sound experience possible."
Yee-Wei Huang, Vice President and Spokesman at Realtek

About Fraunhofer IIS

The Audio and Media Technologies division of Fraunhofer IIS has been an authority in its field for more than 25 years, starting with the creation of mp3 and co-development of AAC formats. Today, there are more than 10 billion licensed products worldwide with Fraunhofer's media technologies, and over one billion new products added every year. Besides the global successes mp3 and AAC, the Fraunhofer technologies that improve consumers' audio experiences include Cingo® (spatial VR audio), Symphoria® (automotive 3D audio), xHE-AAC (adaptive streaming and digital radio), the 3GPP EVS VoLTE codec (crystal clear telephone calls), and the interactive and immersive MPEG-H TV Audio System.

With the test plan for the Digital Cinema Initiative and the recognized software suite easyDCP, Fraunhofer IIS significantly pushed the digitization of cinema. The most recent technological achievement for moving pictures is Realception®, a tool for light-field data processing.

Fraunhofer IIS, based in Erlangen, Germany, is one of 69 divisions of Fraunhofer-Gesellschaft, Europe's largest application-oriented research organization.

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