

Stream1955

Online connectivity, 3D audio (Dolby Atmos...) and voice assistant capability in one single module



Next-generation System-On-Module enables a breakthrough for connected Smart Soundbars with Dolby Atmos / Sony 360 / DTS:X

Key Points

- ▶ 3D Audio decoding in SoC - no DSPs required
- ▶ All major voice assistants can be realized without extra DSP
- ▶ Optimised to run proven and feature-rich StreamSDK Software
- ▶ Module and StreamSDK take care of the most complex parts of a connected device and therefore de-risk the product creation process
- ▶ Compact size (34 x 47mm)
- ▶ Low power

Potential Applications

- ▶ Smart Dolby ATMOS / DTS:X Soundbars
- ▶ Connected audio products with or without voice assistant, high-quality display, 3D audio...
- ▶ High-end audio products
- ▶ Enhance any product by adding connectivity and voice assistance

Features

- ▶ Quad Core ARM A53 1.6 Ghz NXP iMX8M mini/nano
- ▶ Latest SoC platforms with ample processing power and a multitude of signal interfaces (multi-channel I2S I/O, MIPI, etc.)
- ▶ WiFi 802.11ax (WiFi 6) 2 x 2 MIMO / BT 5.0
- ▶ State-of-the-art wireless link robustness
- ▶ eMMC and DDR4 memory
- ▶ RAM 8Gb / Flash 16 Gb (pSLC). Plenty of storage space even for demanding applications

Schedule

- ▶ In mass production

StreamUnlimited, founded in 2005, is a supplier of software solutions and hardware modules for connected audio and IoT products, with over 120 employees at office locations in Vienna, Bratislava, Iasi, Shenzhen, Japan and Santa Clara, CA. As the de facto global system integrator offering its own IP and engineering services, StreamUnlimited development partnerships include all major semiconductor companies and technology providers in the consumer electronics and IoT channel. StreamUnlimited works with a global cross-section of high-end audio, CEDIA-channel, premium and mainstream consumer electronics and smart home manufacturers.

