

Socionext Develops and Demonstrates World's First Single-Chip 8K Video Decoder

- Establishing Leadership Position in Emerging 8K Television Technology -

Yokohama, March 23, 2016 --- Socionext Inc., a new leader in advanced SoCs for imaging applications, today introduced the world's first single-chip SoC that can process decoding of 8K resolution HEVC video. Socionext's SCH801A was developed in cooperation with NHK (Nippon Hoso Kyokai Japan Broadcasting Corporation), and has successfully performed decoding of 8K test streaming data.

Hardware makers will be able to utilize their existing digital TV SoCs in combination with the SCH801A to quickly and easily develop 8K TV sets and significantly accelerate the move of 8K TVs into the market.

"8K" means an ultra-high definition format of digital video with 33 million pixels, 16 times as many as that of "Full HD" which is widely available today. In Japan, test broadcasting of 8K is scheduled to be launched in 2016, and the start of the full service will follow by 2018, delivering a super-realistic image enabling a completely new viewing experience.

Digital TV requires decoding video signals transmitted in compressed format. Conventionally, decoding high-resolution, high-definition 8K images required parallel processing with multiple CPUs. High-speed, stable processing with low power consumption is essential to promote 8K TVs into popular use.

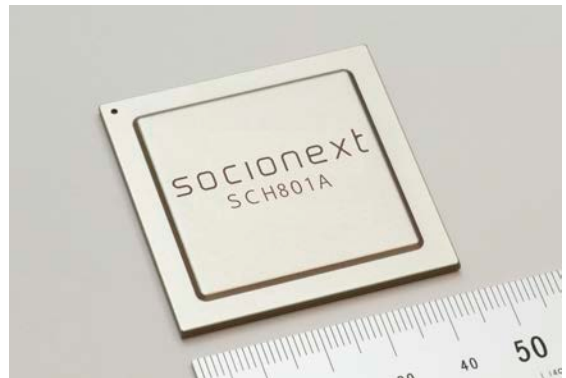


Photo: SCH801A

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The SCH801A conforms with the standard "ARIB STD-B32 Part I" for HEVC encoding of super-high definition satellite broadcasting in Japan, and is capable of decoding 8K 60P at one channel with a single chip. It is equipped with one lane of PCI Express Gen2, and four channels of HDMI 2.0 Tx as external interfaces. Utilizing test-generated streaming data, Socionext successfully performed the decoding of 8K image. The company plans to start volume shipping of the device in November.

Socionext will feature a live demonstration of the 8K decoder solution during NAB 2016 at the Las Vegas Convention Center (LVCC) South Hall Upper Level Booth SU13913, April 18-21, 2016. For more information, please visit <http://www.nabshow.com/>.

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In addition to decoding 8K data, Socionext is preparing solutions to support all the functionalities necessary for the reception of 8K broadcasting, including demodulation, display control and others. The company is also developing technologies for non-TV applications such as video distribution through network and digital signage, aiming to be the world's first 8K total solution provider in the industry.

- For Customer Inquiry:
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About Socionext Inc.

Socionext is a new, innovative enterprise that designs, develops and delivers System-on-Chip products to customers worldwide. The company is focused on imaging, networking and other dynamic technologies that drive today's leading-edge applications. Socionext combines world-class expertise, experience, and an extensive IP portfolio to provide exceptional solutions and ensure a better quality of experience for customers. Founded in 2015, Socionext Inc. is headquartered in Yokohama, and has offices in Japan, Asia, United States and Europe to lead its product development and sales activities. For more information, visit socionext.com.

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