

Socionext to Demonstrate World's First Single-Chip 8K Video Decoder and Most Efficient Video and Broadcast Device Technology at Annual NAB Show

Compact, Leading Edge 4K and 8K HEVC Video Processors Feature Low Power Encoding, Decoding for Full Range of Content and Service Providers

Sunnyvale, Calif., March 31, 2016 --- Socionext Inc. will showcase a complete set of advanced video and broadcast demonstrations for content and service providers at the annual NAB Show in at the Las Vegas Convention Center April 18-21.

At booth SU13913 in the South Hall's upper level, Socionext will highlight its new 8K HEVC decoder device for 8K broadcast receiver systems. Demonstrations include 4K and 8K real-time encoding and decoding, multi-channel encoding with statistical multiplexing, smart Interconnect architecture for remote maintenance and production systems, along with HDR support designed specifically for video broadcast content and service providers.

New 8K-resolution HEVC Video Decoder

The new SCH801A, designed for content providers who require fast turnaround video with minimal power, was developed in collaboration with NHK (Nippon Hoso Kyokai, Japan Broadcasting Corporation). The term 8K represents an ultra-high definition format of digital video with 33 million pixels, 16 times the number in a typical HD system now. The SCH801A can decode 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.

In addition to decoding 8K HEVC, Socionext is designing solutions to support all the functions needed for 8K broadcast receiver system, including 16APSK demodulator, DTV SoC and others. The company is also developing technologies for non-TV applications such as video distribution through network and digital signage, as part of its objective to be the world's first 8K total solution provider in the industry.

MB86M31 Features Versatility, Low Power

The MB86M31 is a chipset that compresses a 4K 60P real time HEVC video using only a quarter rack unit. Chipset power requirements are only 8W, providing a 90 percent power saving compared with other solutions, many of which use multiple rack units and require up to 600W. The reduced power and size are vital for next generation high-density video processing servers and portable devices like production cameras.

The "M31" enables the transmission of 4K high quality, high definition video through live broadcast or network distribution, while using about half the bandwidth required with the

conventional H.264. It is also compatible with YUV 4:2:2 10bit encoding, which is essential for professional use.

The MB86M31 supports multi-channel encoding with full HD or lower resolution video, which enables higher density for professional encoding. It will also support StatMux-ready features by adopting optional firmware. This feature helps to reduce the total bandwidth consumption of multi-channel streams in combination with the external StatMux controller.

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. 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 product information, visit the company's website at <http://us.socionext.com>, e-mail sna_inquiry@us.socionext.com or call 1-844-680-3453. For company news and updates, connect with us on Twitter (<https://www.twitter.com/socionextus>) and Facebook (<https://www.facebook.com/socionextus>)

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