

Socionext to Demonstrate High-Performance Media Server Solution and Single-Chip 4K HEVC Codec at Annual NAB Show

Featuring Low Power, High-Efficiency Audio/Video Processing Capabilities and Advanced Codec for Professional 2/4K Image Ideal for Content Broadcasters and Service Providers

SUNNYVALE, Calif. April 10, 2017 --- Socionext Inc., a global expert in imaging, video systems and broadcasting technologies, will showcase a complete set of advanced video and broadcast demonstrations for content and service providers at the annual NAB Show at the Las Vegas Convention Center April 24-27.

At booth SU13712 in the South Hall’s upper level, Socionext will display its robust media server solution combined with edge computing capability with built-in AV codec enabling intelligent AV content processing and delivery. The company will also highlight its new ultra-compact, low power 4K all-in-one HEVC codec enabling end-to-end video content delivery and transmission.

New Media Edge Server Solution with HEVC Codec for Rapid Video Data Processing and Delivery

At NAB, Socionext will demonstrate an integrated solution along with a server box, module on board and reference designs with hardware accelerator and edge computing capability to selectively capture and transmit AV meta-data to the cloud for AI deep learning.

The Socionext media edge server “M820” features the company’s low-power, scalable SC2A11A ARM core-based processor with MB86M30 for HEVC/AVC/MPEG-2 low latency encoding for optimized high volume data processing with minimal delay. The solution combines the company’s highly-efficiency, multi-core processing power and industry-leading codec as a foundation for a collaborative solution ideal for the video broadcasting and services industries.

M820 Features

Interface	LAN port	Gigabit Ethernet (RJ-45) x2
	SDI	3G/HD/SD-SDI x4 (Up to 4K)
	DVB-ASI	MPEG2-TS x4
Codec	Video / Audio	HEVC/AVC/MPEG2 multi format codec Low latency encoding
System	OS	Linux based application environment
Main Components	CPU	SC2A11A (ARM Core-based high-efficiency processor)
	Codec	MB86M30 (HEVC/AVC/MPEG-2 Codec)

Single-chip HEVC Video Encoder-Decoder Features Versatility, Low Power

Socionext will demonstrate the new SC2M50, designed for video transmitting applications that require encoding and decoding 4K 60P HEVC video in real time with minimal power. Chipset power requirements are only 3.5W, providing a 97 percent power saving compared with other solutions, many of which require up to 150W. The reduced power and size are vital for next-generation video equipment and portable devices like video transmitters for professional applications.

The SC2M50 enables the transmission of 4K high quality, high definition video through wireless or network distribution, while using about half the bandwidth required compared to the conventional H.264. It is also compatible with YUV 4:2:2 10bit encoding, which is essential for professional use.

SC2M50 Features

Codec	Encoding / Decoding	HEVC Main, Main10, Format Range Extensions (4:2:2 / 4:2:0, 8/10bit, up to 4K 60p)
Video/Audio Interface	Stream interface	TS input x 1, TS output x 1
	Video interface	20bit parallel I/F input x 4, output x 4
	Audio interface	I ² S x 2
Peripheral Interface	Host interface	PCI express Gen 2.0 (4 lanes)
	Other interface	USB 2.0 (Device), UART, I ² C, SPI, GPIO
Memory Interface	Serial flash interface	HSSPI x 1
	DRAM interface	LPDDR4 2400Mbps 16bits x 6
Power Consumption	Typical	3.5W

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, computing 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.

For product information, visit the company's website at <http://socionextus.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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