

Socionext to Showcase Latest Video Processing Solutions at IBC 2019

Yokohama, August 29, 2019 --- Socionext Inc. will showcase its latest video processing solutions at IBC 2019, RAI Amsterdam, September 13-17, 2019.

<https://show.ibc.org/>

IBC is 'the world's most influential media, entertainment and technology show' which has been held annually since 1967. In Hall 5, booth C34, Socionext will demonstrate its leading-edge technologies including a new UHD low latency encoder box, an 8K streaming solution, and a cloud-based encoder solution for the new AV1 video compression standard.

The company's 4K/8K solutions allow users to attain an advanced video streaming solution where 'high-definition', 'high-quality', and 'real-time' are the essential requirements. The applications include viewing of sports and other events in the public space, and video communications in schools, commercial enterprises, and other organizations.

4K Video Streaming Solution Expands Applications of High-Quality Video Distribution

Socionext will showcase a UHD encoder box 'X500E' designed for live IP streaming. Based on the company's highly reliable codec SoC, the X500E meets and exceeds the rigorous demands for UHD/HEVC elevated processing power, by using reduced bandwidth transport capacity whilst providing superior 4K video quality at 60fps and lowest latency. Along with the X500E, the company will showcase a prototype decoder 'X500D'. At IBC 2019, customers will find the X500E allows users to easily implement multicast systems.



Fig.1: X500E 4K Encoder Box

8K Video Streaming Solution Opens the New World of High Definition Live Video

At this year's IBC, Socionext will showcase an 8K video encoding and decoding solution. The 'e8' is a new 8K streaming encoder box which can encode video in real-time. Along with the e8, the company will feature the world's leading compact, lightweight, low power 's8' 8K media player that performs

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local media playback of 8K60p/HEVC contents in real-time. s8 also supports cloud distribution of 8K contents. The combination of the e8 and s8 enables customers to immediately implement 8K streaming system.



Fig.2: e8 8K Streaming Encoder



Fig.3: s8 8K Media Player

AV1 Cloud-Based Encoding Solution

There will be a demonstration of the state-of-the-art cloud-based implementation of an AV1 encoding system. AV1 is a new, advanced video data compression standard established by the Alliance for Open Media, a consortium that includes Socionext. The AV1 is capable of compressing data 30% more effectively than HEVC, whilst keeping the same image quality. With this solution, OTT(Over-The-Top) video service providers will be able to greatly reduce their costs of video distribution.

Product Information

X500E: <https://www.socionext.com/en/products/assp/h264h265/X500E/>

e8: <https://www.socionext.com/en/products/assp/h264h265/e8/>

s8: <https://www.socionext.com/en/products/assp/s8/>

About Socionext

Socionext is a global, innovative enterprise that designs, develops and delivers System-on-Chip solutions to customers worldwide. The company is focused on technologies that drive today's leading-edge applications in consumer, automotive and industrial markets. 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 www.socionext.com.

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