

Socionext Starts Shipping of Low-Latency 4K/HEVC Encoder Unit “X500E”

Yokohama, July 3, 2019 --- Socionext Inc., a leading provider of SoC-based solutions for a wide range of advanced video applications, will start shipping its new “X500E”, an HEVC/H.265 encoder unit powered by the company’s high-performance codec technology. The X500E, which enables IP live streaming of broadcast-quality UHD video, will be available for worldwide distribution in late July.

The X500E has been developed jointly with XVTEC Ltd. of Israel, and is equipped with Socionext’s high-performance codec IC, the SC2M50, integrated into a compact case. The unit is designed to simplify the development of various video content distribution environments. X500E generates IP streams of broadcast-quality UHD video with HEVC/H.265 encoding, and consumes only 20W with the process under standard usage conditions. It also features low latency, as little as less than 50ms, making it ideal for use in various video distribution applications including electronic news gathering and live streaming of sporting and other events. The company also expects the X500E to be utilized for emerging applications such as high-definition video capture from surveillance camera and transmission of medical video images. Socionext is now taking orders of X500E, with shipping to start on July 29, 2019.



Photo: X500E

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X500E features:

- Broadcast-quality video
- IP live streaming of UHD video through HEVC
- Support of HEVC, main 4:2:2 10bit, level 5.1
- Low latency less than 50ms
- HDMI 2.0a Input
- Support of TS-UDP, RTP, RTSP streaming protocol
- Easy user interface via web browser
- Low power consumption 18~20W (typical; actual power consumption varies depending on the usage conditions)

Press Inquiry

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See Also

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

SC2M50 product page: <https://www.socionext.com/en/products/assp/h264h265/SC2M50/>

Customer Inquiry

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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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