

Socionext to Showcase Portfolio of Latest Imaging and Computing Solutions at Computex Taipei 2017

Taipei and Yokohama, May 23, 2017 --- Socionext Inc., a global expert in SoC-based imaging and computing solutions, will showcase its latest solutions at Computex Taipei from May 30 to June 3. At Booth N0808 in Nangang Exhibition Hall, the company's exhibits will include Milbeaut® image signal processors for cameras and drones, video data processing solutions powered by the company's cutting edge codec devices, and demonstrations featuring the company's new IoT gateway processor "SynQuacer™".

About Computex Taipei: http://www.computextaipei.com.tw/en_US/

Action Cameras / Security Cameras

Socionext will exhibit two types of 360-degree cameras which have gained more popularity recently. The first, a collaborative product with Cypress Semiconductor Corporation and ImmerVision, Inc., is a compact, versatile 360-degree camera. It can be connected to smartphones or PCs and is designed from a unique combination of Cypress' EZ-USB® CX3 USB 3.0 bridge chip, ImmerVision's image processing and panomorph lens technology and Socionext's Milbeaut Mobile Series image processor.

The second type is a high-performance, 360-degree camera highlighting Socionext's proprietary image-stitching algorithm that combines two fish-eye lens images to create a zero-boundary, high definition and low noise 360-degree omnidirectional image. This feature is suitable for action cameras and drones and provides optimal solutions for applications such as video conference systems.

Socionext will also showcase its latest Milbeaut processor developed for security applications. It features advanced functionalities for enabling high quality image capturing under low illumination environment, such as 3DNR (Three-Dimensional Noise Reduction) and WDR (Wide Dynamic Range).

Drones

Socionext will display "Selfie Drone", which is jointly developed with Nixie. Conventional small drones have been considered just for hobby use, but this new compact drone is equipped with

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Inquiry Form <http://socionext.com/en/contact/>

high-performance, power efficient Milbeaut processor which can capture professional-grade selfie video and photos.

In addition, Socionext will showcase its solutions optimized for drones, including OMNIVIEW, the 360-degree wrap-around view monitor system.

4K / 8K Video Processing Solutions

Socionext will demonstrate its latest video processing solutions that allow viewers to experience the state of the art technology. They include a complete set of 8K video signage solutions, covering all processes from authoring of video images to decoding and display. Another solution to be highlighted at the show is 4K HEVC video transmission by using Socionext's cutting-edge, 4K/60p compatible codec devices.

IoT Gateway Processor "SynQuacer™"

Socionext offers a broad range of solutions for processing of IoT applications, from the edge to the cloud, using the company's new, 64-bit high efficiency multi-core processor "SC2A11" at their cores. SC2A11 delivers high-speed distributed processing and significant low power consumption with its multi-core architecture and added security features such as data protection from unauthorized access. At Computex, the company will showcase the SC2A11 used at an IoT gateway. Featured demonstrations include the media edge server showcasing an extended use of the video processing capabilities and the large scale distributed server with optimized configuration to ensure maximum speed and reliability.

The media edge server "M820" features hybrid codec, an optimal combination of high-speed processing using Socionext's multi-format codec IC combined with the flexible, software-based SC2A11 processor, enabling complex data processing such as real-time video capturing and integration of meta-data.

The company's large scale, high performance distributed processing server integrates superior power efficiency of SC2A11 with Socionext's high speed CPU-to-CPU communication technology. The server is optimized for distributed computing applications such as data mining and indexing of large data sets with the ability to complete such tasks in a much shorter timeframe than conventionally configured servers.

About media edge server "M820":

http://www.socionext.com/en/pr/sn_pr20170418_02e.pdf

About the high-efficiency distributed processing server:

http://www.socionext.com/en/pr/sn_pr20161228_01e.pdf

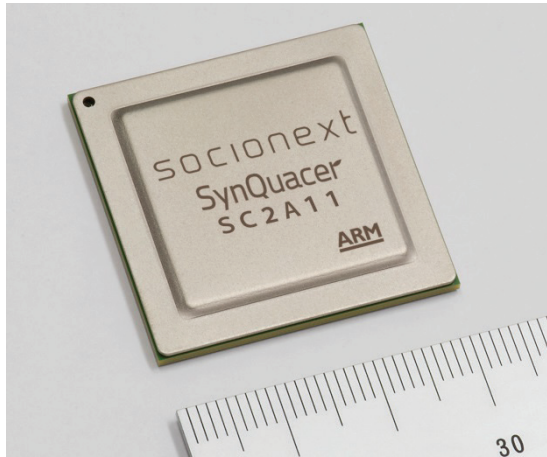


Photo : SC2A11

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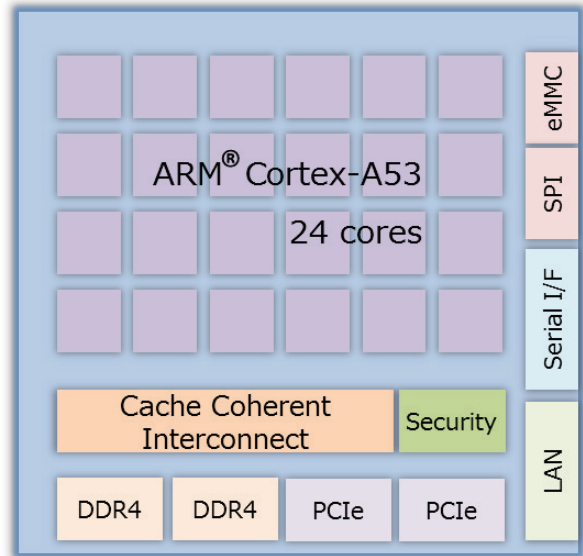


Figure : SC2A11 Die Configuration

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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, 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.

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