

Socionext Simplifies Evaluation of 360° Wrap-Around View System with New Solution Package

Enables easy initial evaluation, development of systems for automotive and non-automotive applications

Yokohama, May 23, 2016 --- Socionext Inc., a leading supplier of next generation System-on-Chip solutions, today introduced a new evaluation solution package for its 360° Wrap-Around View (WAV) system. The package combines the hardware, software and support services necessary for initial evaluation and development of the WAV system. Customers lacking resources to evaluate the system themselves can now develop their own customized systems with this new solution. Socionext aims to expand the use of its 360° WAV system into both the automotive and the non-automotive applications and will exhibit the 360° WAV system and the evaluation solution in booth 192 at the upcoming "Automotive Engineering Exposition 2016" held at PACIFICO Yokohama starting May 25.

Socionext's 360° WAV system uses cameras facing forward, backward, left and right to synthesize images on a three-dimensional model, then generate the views around the vehicle. Conventional systems synthesize images only on a two-dimensional model and can provide a view only from a certain fixed viewpoint, such as from the top. In contrast, the WAV three-dimensional model can display views around the vehicle from any perspective, making it useful for parking assistance and other applications such as lane change while driving. The system can enhance situational awareness for operators of construction vehicles.

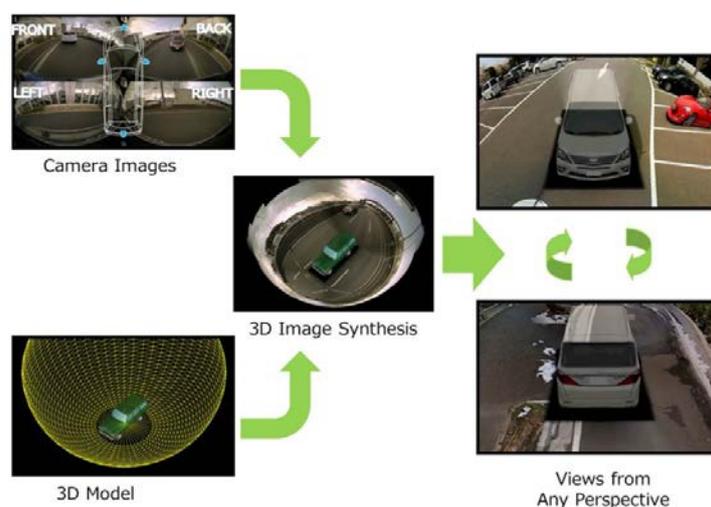


Figure 1: 360° Wrap-Around View System ([view larger image](#))

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Socionext offered its graphics display controller ICs and software to assist automotive equipment makers in the development of their customized WAV systems. Conventionally in order for customers to develop fully-optimized WAV systems, they needed to purchase the necessary hardware and software, then learn how to adjust the camera positioning and become familiar with the use of the software library and the design tool. Such methods take a much longer time than desired just to complete the initial evaluation.

Socionext's 360° WAV system comes in a package that includes the hardware, software and development support services - all essential tools to expedite the evaluation and development of the fully optimized 360° WAV system. With this new package, Socionext performs all the initial evaluation process of the WAV system, including optimizing the camera positioning, fine tuning the image synthesis and generating the views. The tool significantly reduces the time required during the evaluation process. Partners who do not need the hardware and software from Socionext, such as car makers, can use this package for introductory evaluations of the WAV system. Socionext expects this new solution will help accelerate the spread of 360° WAV system into broader visual-aid applications, including non-automotive fields such as aerial shooting using drones.

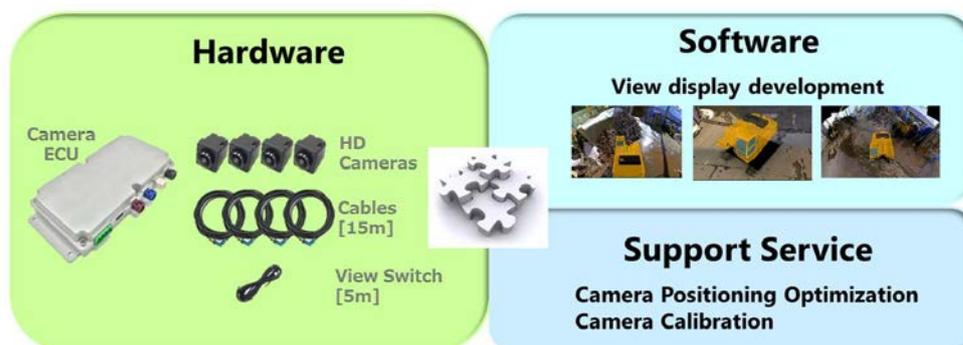


Figure 2: Evaluation Solution Package for 360° WAV System

[\(view larger image\)](#)

Socionext will exhibit the 360° WAV system and the evaluation solution at upcoming "Automotive Engineering Exposition 2016" held at PACIFICO Yokohama from May 25 to 27.

For more detail about the exhibition, please visit: <http://expo.jsae.or.jp/english/> (booth # 192)

Customer Inquiry

Socionext Inc.

Inquiry form: www.socionext.com/en/contact

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 www.socionext.com.

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