Press Release

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Socionext Now Shipping New Dual Camera Image Processor from Milbeaut Mobile Series

MBG967 Can Process Signals from Two Image Sensors, Supports Various Functionalities for Dual Camera Applications

Yokohama, January 6, 2016 --- Socionext Inc., a new leader in advanced SoC design technology, today introduced its “M-12MO” (MBG967) processor, the latest addition to its lineup of Milbeaut Image Processors. The MBG967, which will be available in volume shipments starting in January, is mainly targeted at smartphones and other mobile applications. It supports dual camera, the latest trend in mobile applications, along with functionalities such as low light shot and depth map generation.

The expansion of dual camera capabilities in the mobile camera market has been highly anticipated because dual cameras enable new functionalities previously considered difficult with mobile cameras. These include low light shot, which integrates images from color and monochrome sensors, and the generation of depth maps, which can create background blur comparable to that of SLR cameras.

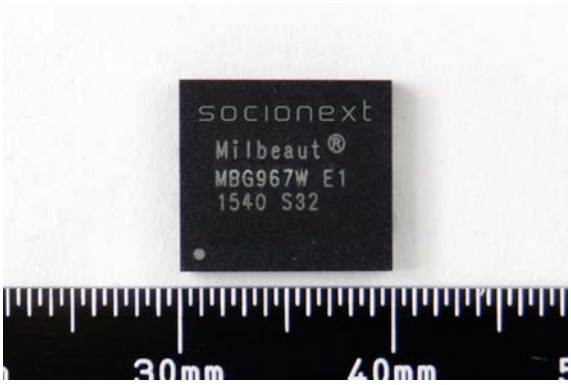


Photo: Milbeaut MBG967 (M-12MO)

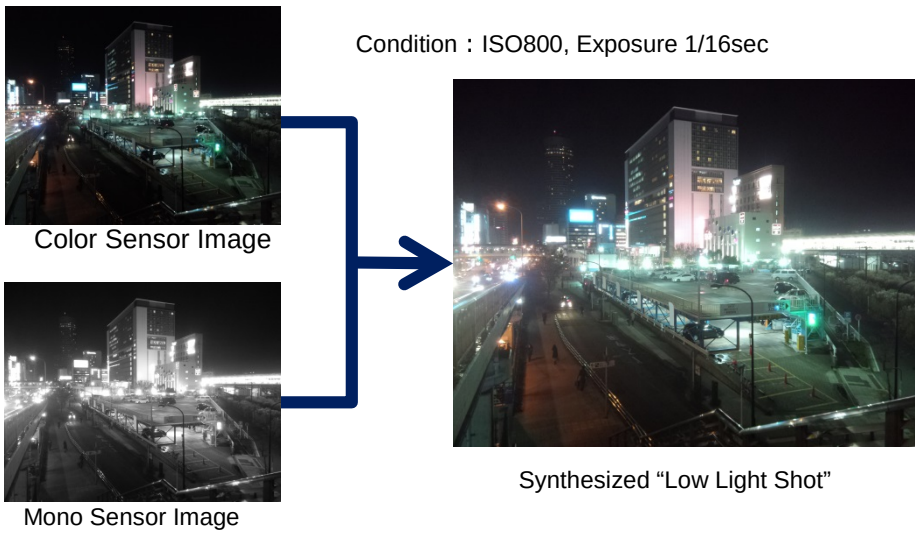
view larger image

The MBG967 is equipped with two sets of 1.5Gbps MIPI-Rx 4-lane, and can process signals from two image sensors simultaneously. It covers the basic requirement for dual cameras, and also supports the latest high-speed, high-accuracy auto focus, expanding the potential of photography in the mobile environment.

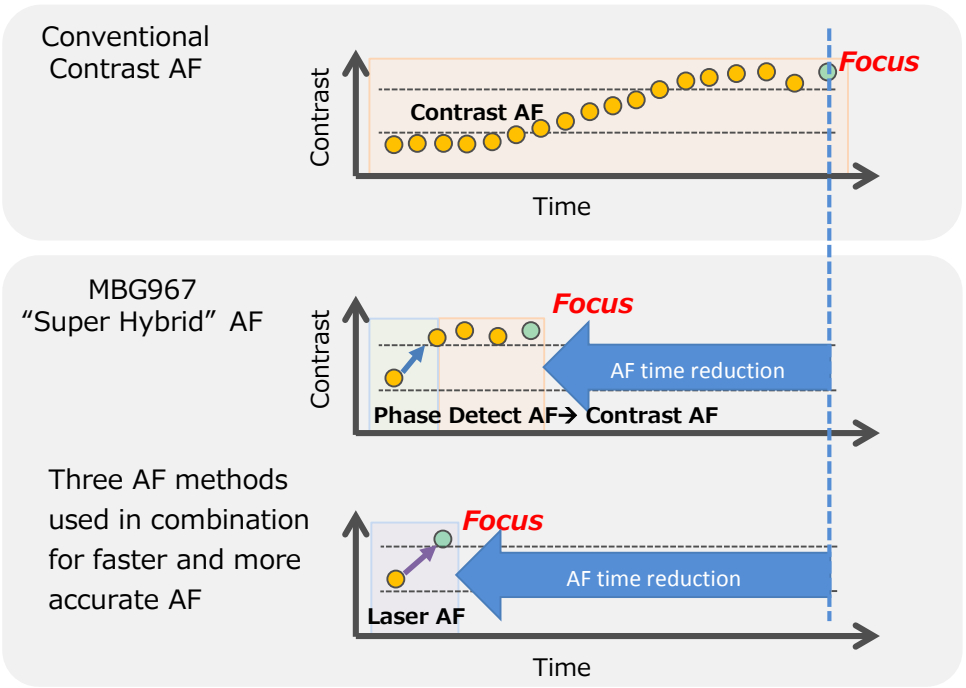
For Press Inquiry
Public Relations
Socionext Inc.
Tel: +81-45-568-1006
Inquiry Form http://socionext.com/en/contact/

Main features of the MBG967 include:

Low light shot by dual camera: By integrating the images from color and monochrome image sensors, the MBG967 enables high-sensitivity, low-noise pictures.



High-speed, high-accuracy auto focus supports high speed “Phase Detect AF”, in addition to conventional “Contrast AF”. The MBG967 also supports “Laser AF” which has an advantage in the low light conditions. Its “Super Hybrid AF” utilizes these three AF methods in combination, always allowing faster and more accurate AF in varying conditions.



The MBG967 features the following functions and specifications:

- Dual camera
- Detection and calibration of sensor module mounting error
- Support for low light shot (integration of images from color and monochrome image sensors to get high-sensitivity, low-noise photos)
- Depth map generation by using the parallax of two sensors
- Phase detect auto focus
- Laser auto focus
- Package: 9.0mm x 10.0mm x 1.1mm
- MIPI-Rx: 4 lanes (1.5Gbps) + 4 lanes (1.5Gbps) + 2 lanes (1.5Gbps)
- MIPI-Tx: 4 lanes (1.5Gbps)
- Dual ARM processor Core

Since its release in 2000, the Milbeaut series of image processors has established a track record in a broad range of applications from digital SLR cameras for prosumers, to commodities like smartphones, or industrial equipment like security cameras. Socionext will continue to deliver various imaging solutions, based on its technological expertise and a long history of providing services.

□ Customer Inquiry

Socionext Inc.

+81-45-568-1065

Inquiry: http://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 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.