

Socionext Shipping Newest Milbeaut Image Processor, the MB86S27 Ideal for Surveillance Cameras, Drones, Action Cameras and Drive Recorders

Yokohama, Japan October 22, 2015 --- Socionext Inc., a new leader in advanced SoC design technology, is now shipping its "M-8M" series, or MB86S27, a compact image processor which is the eighth-generation product from its Milbeaut Image Processor series.

The MB86S27 is equipped with a powerful Codec Engine originally developed at Socionext, and is designed for delivering high resolution 4K video. It comes with 360-degree distortion correction and other state-of-the-art image processing functionalities suitable for high quality video with devices such as surveillance cameras, drones, action cameras and drive recorders.

The MB86S27 is designed to serve the growing need for high-definition, high-quality video in a broad range of rapidly expanding applications. These include surveillance cameras that are seeing an increasing demand worldwide, drones that record in off-limit or hazardous areas, action-cameras in non-sport applications, and drive recorders effective for traffic accident investigation and their potential feasibility as an integral part of new insurance programs. In addition to 4K video capability, the device integrates hardware macros specialized for various image processing, reducing the CPU load.

Power consumption is as low as 1.3W, when operating with 4K at 30 frames per second (fps). With the MB86S27, Socionext is developing and providing video-optimized platforms and firmware, as well as picture quality consulting services, delivering comprehensive solutions to customers.

Socionext will continue to accelerate the evolution and growth of the Milbeaut image processor series, and deliver a broad range of imaging solutions.



Photo: MB86S27 (M-8M)

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For Press Inquiry

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The MB86S27 features the following specifications:

- CPU: ARM Cortex A5 MP 400MHz x 2 (Socionext RTOS/Linux)
- Connected Sensors: subLVDS 12 lanes + 3 clocks 800 Mbps/lane
- Interfaces:
 - PCIe Gne2, 2 lanes x 1 channel, or PCIe Gen1, 1 lane x 2 channels
 - RGMI v1.3, 1Gbps
- Network: TCP/IP, RTP/UDP/IP Offload Assist, Protocol Stack, Offload engine
- Image Processing: H.264 Video Codec
 - Encoding: Full HD@120fps, 4K@30fps
 - Multi-Encoding (up to 6 streams)
- Image Processing IP: Noise Reduction, Optimization of high sensitivity
- Power Consumption: 1.3W (typical, when operating 4K@30fps)
- 360-degree Distortion Correction: Panorama-image, Multi-image
- Super-resolution: Maximum 4x magnification

Customer Inquiry

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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 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](http://www.socionext.com).

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