

Socionext to Highlight Advanced Technologies for Drones at International Drone Expo in Los Angeles Dec. 11-12

Company's Low Power, Low Profile Image Processor to be Featured at Booth 523 in Demonstrations of Simulated Drone Technology for Professional and Advanced Hobbyist Applications

SUNNYVALE, Calif. Nov. 17, 2015, --- Socionext America Inc., a leader in state-of-the-art image processing technology, will demonstrate its innovative IC technology for drone applications at the second annual International Drone Expo in Los Angeles Dec. 11-12.

In booth 523 at the Expo, Socionext will demonstrate a drone simulation using the company's Milbeaut imaging technology, along with a video presentation that provides a side-by-side comparison of drone video capture with and without EIS. Socionext's MB86S27-"M-8M" device from its Milbeaut™ family combines with drone technology developed by FotoNation's EIS technology to deliver outstanding video image stabilization and dramatically extended drone flight-times with far lower power consumption than competing solutions.

The company will also show a video of a drone with fisheye lens in flight using Socionext's 360-degree Wrap-Around Video Imaging Technology, which utilizes three-dimensional-algorithms to smoothly combine images from dual cameras, delivering a seamless and clear 360-degree view.

M-8M from Socionext

The M-8M Milbeaut features a powerful codec engine delivering high-resolution 4K image, with 12M pixel images at 30 frame per second (fps), noise reduction, shading correction, and 3A (AE / AF / AWB) detection. Power consumption is only 1.3W at 4K 30fps.

Unlike other technologies, Socionext offers a solution using an electrical gimbal that is both low-profile and cost-effective using Milbeaut ISP and FotoNation EIS technology.

The M-8M 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
 - RGMII 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

For the IDE 2015 website and programs, visit www.intdroneexpo.com

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. 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).

For product information, visit the company's website at <http://www.socionext.com>, e-mail sna_inquiry@us.socionext.com or call 1-844-680-3453. For company news and updates, connect with us on Twitter (<https://www.twitter.com/socionextus>) and Facebook (<https://www.facebook.com/socionextus>)

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