

NEWS RELEASE

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Calypto's PowerPro CG Cuts Power Consumption in Pixim's Latest Video Image Processor

Silicon Proven, Power Savings Achieved with no Impact to Project Schedule

SANTA CLARA, CALIF. — October 27, 2008 — Calypto™ Design Systems Inc., the leader in sequential analysis technology, today announced Pixim® Inc., a leading provider of image sensors and video processors for enterprise security cameras, has reduced power in its newest video image processor chip using PowerPro CG (for clock gating).

Using PowerPro CG, the industry's only automated RTL power optimization solution, Pixim was able to significantly reduce power within its existing implementation tool flow without impacting its project schedule.

“Power consumption is an important design requirement for our embedded and mobile CCTV camera products,” remarks Chris Adams, chief executive officer (CEO) of Pixim. “PowerPro CG cut power consumption without impacting timing or area,

allowing us to deliver the lowest power solution for high quality imaging in low-lighting environments.”

Pixim addressed the demanding low-power requirements of video image processing by using PowerPro CG to identify and insert sequential clock-gating enable conditions into their designs to reduce dynamic power. PowerPro CG reads in a synthesizable RTL design and generates a new RTL design which is identical to the original design with additional clock-gating enable logic. The low-power RTL is then comprehensively verified using sequential logic equivalence checking to ensure no functional changes are introduced.

Pixim’s video image processor uses its proprietary Digital Pixel System® technology to deliver high-quality video with enhanced dynamic range in scenes that consist of both dark and bright areas.

“In highly competitive markets like video imaging, companies must focus on their unique capabilities to differentiate themselves,” adds Tom Sandoval, CEO of Calypto. “By using PowerPro CG to optimize power, Pixim was able to easily meet their low-power design requirements while concentrating their design efforts on their value-add capabilities.”

Pixim Inc.

Pixim Inc. has developed an imaging technology that revolutionizes the way video cameras capture and process images. Unlike traditional cameras, where each pixel cannot adjust to highlights and lowlights in the same scene, Pixim’s patented Digital Pixel System® technology empowers hundreds of thousands of pixels to act like individual cameras constantly self-adjusting. This all-digital system enables Pixim-

powered cameras to efficiently capture the whole picture, regardless of lighting condition or application thus securing the highest resolution, natural color and clarity, while automatically eliminating image-compromising visual noise (e.g., glare, pixel blooming, vertical smear). The result is more than superb image quality; it is accurate, actionable information that gives users the strength of certainty. For more information, visit www.pixim.com.

About Calypto

Founded in 2002, Calypto Design Systems, Inc. empowers designers to create high-quality, low-power electronic systems by providing best-in-class power optimization and functional verification software, based on its patented sequential analysis technology. Calypto, whose customers include Fortune 500 companies worldwide, is a member of the Cadence Connections program, the IEEE-SA, Synopsys SystemVerilog Catalyst Program, the Mentor Graphics OpenDoor program, Si2 and is an active participant in the Power Forward Initiative. Calypto has offices in Europe, India, Japan and North America. Corporate Headquarters is located at: 2933 Bunker Hill Lane, Suite 202, Santa Clara, Calif. 95054. Telephone: (408) 850-2300. More information can be found at: www.calypto.com.

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