



See the possibilities

For Immediate Release

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Two New JAI Cameras Feature High Performance CMOS Image Sensors from AltaSens

COPENHAGEN, DENMARK, May 23, 2007 – JAI and AltaSens (Thousand Oaks, CA) today announced the launch of two new high performance machine vision cameras, the monochrome CV-A20CL and its color counterpart CV-A80CL. Both cameras utilize newly developed 2/3-inch, 2.5 megapixel, HD-format CMOS imaging System-on-Chip (iSoC) sensors from AltaSens to achieve an attractive combination of high resolution, high frame rate, and low power consumption. The CV-A20CL is equipped with the monochrome ProCamHD™ 4560 CMOS sensor, while the CV-A80CL uses the Bayer mosaic version, the ProCamHD 4562. Thanks to AltaSens' patented Tapered Reset technology and 14-bit iSoC architecture, the ProCamHD 456x sensor family provides full-HD progressive video at high speed and low noise.

The two new JAI camera models leverage AltaSens ProCamHD 456x sensors to deliver progressive 60 fps frame rate at full HDTV resolution of 1920 x 1080 pixels. Significantly higher frame rates can be achieved by using the sensors' vertical windowing capability, which enables users to designate the starting point and height of the window in one-line increments.

Takami Hasegawa, President of JAI Ltd Japan stated, "JAI has enjoyed a close relationship with AltaSens over the last several years. This partnership with an acknowledged leader in CMOS iSoC sensors has given us unique insight into leading-edge sensors that has enabled our CMOS camera development to proceed at an industry-leading pace. Now that we have received strong demand for high-resolution, high-frame-rate cameras, especially from the silicon inspection and flat panel display industries, we are uniquely positioned to provide powerful cameras for these applications. Our new CV-A20CL and CV-A80CL models offer 1080p60 imaging in a traditional 2/3-inch optical format at an attractive price along with features tailored to meet user needs."

The new cameras feature a rolling shutter with fast data transfer to minimize motion artifacts; furthermore, a snapshot mode with strobe control output can synchronize an external strobe light to capture crisp images of moving objects. Both cameras offer 10-bit/8-bit selectable output through a Camera Link digital interface. In addition, the sensors' built-in iSoC features, such as a 12-bit A/D converter and timing controller, enable the cameras to maintain a small physical size of 44mm (W) x 35mm (H) x 58mm (L), and low power consumption of only 2.3 watts.

"We are extremely pleased that the long-term partnership between JAI and AltaSens is now delivering HD cameras to address customer needs that would otherwise not be fulfilled," remarked Patrick Quinn, AltaSens President and CEO. Mr. Quinn also noted, "JAI and AltaSens have been aligning roadmaps and technology for several years; JAI's beginning to release new high-performance machine vision cameras is a significant step in our mutual collaboration and a harbinger of ground-breaking cameras coming soon. AltaSens is widely recognized by the demanding Japan market as the leading supplier of high-quality, high-speed CMOS sensors for OEM HD cameras."

About the JAI Group

JAI is a manufacturer of high quality, industrial-grade cameras for the machine vision, transportation, military, aerospace, homeland security, medical, and scientific markets. JAI provides the broadest camera offering of any industrial camera manufacturer in the world. JAI's product line features both CCD and CMOS technologies, spatial resolutions from VGA to multi-mega pixel, progressive scan and interlaced format, and sensitivity to light levels as low as .00001 lux. Camera offerings include both monochrome and color, capture rates from real-time to over 1,000 fps, and a wide variety of physical interfaces including Camera Link™ and the new GigE Vision Gigabit Ethernet standard.

Headquartered in Copenhagen, Denmark, JAI has subsidiaries in Japan, the US, and the UK. The JAI Group has annual sales of more than \$70 million (USD) and employs 250 people worldwide. The JAI Group's mission is to develop and distribute user-friendly tools for the professional international world market by combining electronic eyes and electronic brains into a meaningful whole.

JAI has two primary businesses: Camera Solutions and Traffic Solutions. Camera Solutions is a component supplier that designs, manufactures and markets CCD and CMOS camera solutions primarily for the ITS, medical and industrial machine vision markets. JAI cameras help improve customer businesses in a variety of ways, whether by improving quality and accuracy, lowering costs, increasing yields, or simply enabling better service. The Traffic Solutions business unit is one of the world's leading manufacturers of specialized traffic systems. Solutions are based on JAI-developed hardware and software, which is often integrated with third-party products.

About AltaSens

AltaSens, Inc. is the premier supplier of high performance CMOS image sensors for the emerging world of high definition video. With headquarters in Thousand Oaks, California, AltaSens designs and produces the AltaChrome™ and ProCamHD™ families of image sensors, used worldwide in a diverse range of imaging products spanning such markets as broadcast/professional, camcorder, videoconferencing, telepresence, medical, machine vision, and surveillance. AltaSens' high definition imaging System-on-Chip CMOS video image sensors exceed industry expectations by delivering a technology that enables lower noise, lower power consumption, higher sensitivity, higher frame rate, and higher dynamic range in a cost-effective solution. For more information about AltaChrome and ProCamHD image sensors or about AltaSens, Inc., visit www.AltaSens.com.

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