



News Release

For Immediate Release

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Shortwave Infrared Digital Line Scan Camera Features Square Pixels for High-Speed, High-Resolution, Process Control

- New, Uncooled SWIR InGaAs camera is ideal for machine vision and process monitoring

PRINCETON, NJ, NOVEMBER 14, 2008 - Sensors Unlimited, Inc., part of Goodrich Corporation, introduces the high speed, square 25-micron pixel shortwave infrared (SWIR) SU-LDH Digital Line Scan Camera. It uses the new LC linear array, providing correlated double-sampling, integrate-while-read snapshot acquisition and extremely low noise. The SU1024LDH camera delivers high dynamic range at frame rates greater than 46,000 lines per second and quantum efficiency greater than 70 percent from 1.0 to 1.6 microns. The square 25-micron pixels make this camera ideal for high-speed machine vision, to monitor continuous processes and moving objects.

The solid-state detector requires no cooling and offers wavelength response from 0.8 to 1.7 microns. Many materials classification and sorting, inspection, and process control applications require longer wavelength spectral response than silicon-based, line scan cameras offer. The new SWIR camera images beyond the visible wavelength, providing added inspection capabilities which are key for moisture detection, plastic sorting, and many thermal processes. The SU1024LDH camera features 14-bit digital capture and is available with the widely-used Camera Link® interface for convenient and rapid system integration.

Goodrich's Sensors Unlimited Inc. team, based in Princeton, NJ, has pioneered the design and production of NIR and SWIR cameras and systems utilizing advanced Indium Gallium Arsenide (InGaAs) imaging technology for industrial, commercial, military, agricultural, and scientific markets. For additional information on InGaAs-based shortwave infrared imaging detectors, arrays, and systems, please visit www.sensorsinc.com.

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