

For Immediate Release

Johanna Soyars, +1 (609) 524-0208
Johanna.soyars@goodrich.com

SUI™
(Sensors Unlimited, Inc.)
3490 Route 1
Building 12
Princeton, New Jersey
08540-5914
www.isr.goodrich.com/sui
Ph.: 1-609-520-0610
Fax: 1-609-520-0638

SUI Announces New Digital Line Scan NIR/SWIR Camera for High Speed, High Resolution Applications

PRINCETON, NJ, JULY 23, 2007– SUI (Sensors Unlimited, Inc.), part of Goodrich Corporation, global suppliers of shortwave infrared (SWIR) imaging systems based on indium gallium arsenide (InGaAs) technology, introduces the new **SU-LDH Digital Line Scan SWIR Camera** for spectroscopy and machine vision applications. The revolutionary, near infrared (NIR) InGaAs camera increases line rates for 1024 pixels to over 40,000 lines per second, making this linear digital line scan camera ideal for optical coherence tomography (OCT) and high data rate industrial process control.



The advanced, high speed, high resolution SWIR camera is available in a variety of configurations, based on the versatile new LC series of linear arrays from SUI. Standard or extended InGaAs wavelength ranges are available from 0.8 to 1.7 microns and 1.0 to 2.2 microns. Square pixels for machine vision or rectangular pixels for spectroscopy can be selected and configured with optional 256, 512, or 1024 pixel arrays on a 25-micron pixel pitch, or alternatively a 50-micron pixel pitch for 256 and 512 arrays.

Diverse applications for the SU-LDH high-speed, digital line scan camera include biomedical imaging, inspection of wood, hot glass and metals processing, scientific imaging, agricultural inspection, high-speed spectroscopy, materials classification and sorting, remote ground sensing and telecommunications fiber and waveguide alignment. The 14-bit Camera Link® compatible output and control combined with the rugged enclosure ensures low maintenance and easy integration into high performance imaging systems. The camera features high sensitivity, room-temperature-stabilized operation and integrate-while-read capability for fast readout speeds with minimal dead time.



Goodrich's SUI team (Sensors Unlimited Inc), based in Princeton, NJ, has pioneered the design and production of 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.isr.goodrich.com/sui.

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