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For Immediate Release

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Sensors Unlimited, Goodrich Corporation's New, High Resolution, High Speed, InGaAs Shortwave IR Windowing Camera

PRINCETON, NJ, April 17, 2006 – Sensors Unlimited, Goodrich Corporation (www.oss.goodrich.com – click on [Sensors Unlimited](#)), announces the new high-frame-rate, high resolution, shortwave infrared (SWIR) camera, the **SU640SDWH-1.7RT.**

The innovative, indium gallium arsenide (InGaAs) camera has unprecedented high speed and regions of interest (ROI) windowing capabilities with high sensitivity SWIR spectral response from 900 nm to 1700 nm. The new 640 x 512 pixel focal plane array (FPA) on a 25-micron pitch captures full-size images at 109 frames per second (fps) or can image smaller ROI at over 15,000 fps with 100 percent fill factor.



The all-solid-state InGaAs camera features room temperature FPA operation with a single 14-bit digital Camera Link® compatible output and a simultaneous analog video NTSC output. The high speed camera can also be controlled by serial commands that permit users complete control over the ROI window size, position and integration time. The ultra-high sensitivity, windowing camera features excellent image quality with on-board non-uniformity corrections and anti-blooming protection. External triggering of full frame or ROI acquisition and user-programmable exposure times, make this camera ideal for capturing pulsed or high speed events in low-light conditions.

Shortwave infrared imaging applications include machine vision, pulsed laser beam profiling, high speed motion analysis, thermal imaging of combustion or rocket plumes, free-space communications lasers or guide star alignment, high speed semiconductor



inspection, optical switch monitoring, hyperspectral imaging and other real-time, image-tracking tasks.

Sensors Unlimited, Goodrich Corporation will be premiering the SWIR High Speed, High Resolution Windowing Camera at SPIE's Defense and Security Symposium, April 18 – 20, 2006 in Orlando, Florida. Please stop by Booth #310 for a live demonstration.

Sensors Unlimited, Goodrich Corp. has pioneered the design and production of shortwave infrared components, cameras and systems utilizing advanced InGaAs imaging technology for industrial, commercial, military, agricultural and biomedical markets. For additional information on InGaAs-based shortwave infrared imaging detectors, arrays and systems, visit Goodrich's Optical and Space Systems division homepage at www.oss.goodrich.com and click on the [Sensors Unlimited](#) link.

Goodrich Corporation, (www.goodrich.com) a *Fortune* 500 company, is a global supplier of systems and services to aerospace, defense and homeland security markets. With one of the most strategically diversified portfolios of products in the industry, Goodrich serves a global customer base with significant worldwide manufacturing and service facilities.

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