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DOD Extends Sensors Unlimited's Contract to Develop Industry's First Imaging/Rangefinding Camera

Princeton, NJ, December 8, 2003 – Sensors Unlimited, Inc., a leading provider of innovative short wave infrared imaging products based on indium gallium arsenide (InGaAs) technology, has received a follow-on, Phase 1b contract from the U.S. Air Force, for a twelve month, \$2 million program to develop the industry's first high frame rate camera for combined imaging and ranging, using an in-pixel digitized, monolithic PIN/APD focal plane array. The Department of Defense Missile Defense Agency is providing the funding under a contract managed by the Air Force. Sensors Unlimited was the only vendor to address both imaging and ranging within a single, high performing focal plane array and camera.

"Sensors Unlimited's camera will significantly advance the state-of-the-art in infrared imaging, and will exceed the military's stringent requirements," notes Matthew O'Grady, Principal Engineer, Imaging Products at Sensors Unlimited. "In Phase 1a we demonstrated our patented APD/PIN detector array, made possible by our epitaxial growth facility and also proved the feasibility of our advanced digital pixel output circuit design. Over the next year we will develop and deliver a single camera capable of high resolution 3-Dimensional imaging, wavefront sensing and low light level imaging based on this unique technology."

Sensors Unlimited's camera consists of a 256x256 pixel array capable of both flash LADAR reception and photosignal integration and has frame rates as high as 15,000 frames per second for a 128x128 pixel window, which enables the military to track objects at high speeds. Commercial applications of the technology include collision



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avoidance and automatic surveying. The focal plane array includes a custom integrated circuit, based on a new digital output pixel design, which will enable unique performance and features for the signal measurement and readout functions.

If fully executed through Phase 3 of the program, the Sensors Unlimited contract will total \$3.7M and will culminate in the delivery of two advanced cameras to the Air Force.

About Sensors Unlimited

Founded in 1991, Sensors Unlimited, Inc. is the leading manufacturer of indium gallium arsenide (InGaAs) PIN and avalanche photodiode arrays that are used in shortwave and near infrared imaging for military, industrial, spectroscopic, machine vision, and telecommunications applications. Sensors Unlimited provides InGaAs photodiode array processing as a foundry service and designs custom readout integrated circuits for unique imaging applications within its ISO 9001:2000 certified facility. For more information, visit www.sensorsinc.com.

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