

# NEWS RELEASE

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*For Immediate Release*

## **Princeton Infrared Technologies, Inc. Announces U.S. ARMY SBIR Phase II Award for Real Time On Board Video for Gun Launched Munitions**

**Monmouth Junction, NJ – October 22, 2019 - Princeton Infrared Technologies, Inc. - [www.princetonirtech.com](http://www.princetonirtech.com)**, specialists in indium gallium arsenide (InGaAs) imaging technology and affordable shortwave-infrared (SWIR) linescan cameras, visible-SWIR science cameras, and 1- and 2-D imaging arrays, announces a Small Business Innovation Research (SBIR) award. The Phase II SBIR contract with the United States Army at Picatinny Arsenal, NJ will fund the development of a small size, weight and power and cost visible/short wave infrared (SWIR) camera for precision guided gun launched munitions based on successful technology demonstrations in Phase I.

Princeton Infrared Technologies, Inc. will develop a small, low power, lightweight, uncooled 640x512 on 8  $\mu\text{m}$  pixel pitch SWIR seeker for the precise engagement of targets during daytime, nighttime, and poor environmental conditions. This camera will enable the user to image and track laser designators and pointers deployed on the battlefield.

The \$999,982, 2-year project will develop a gun hardened small InGaAs SWIR camera with the processing capabilities and frame rates to meet the imaging requirements of tracking targets on board of a small high speed gun or mortar launched projectile.

President of Princeton Infrared Technologies, Inc., Martin H. Ettenberg, Ph.D., notes, “The advantages of InGaAs SWIR imagers are their ability to image at long range through atmospheric obscurants better than visible cameras without a requirement for cooling. They support very high frame rates for negating the effects of image blur in very fast moving munitions. In prior programs, we have demonstrated that InGaAs SWIR imagers survive gun launched mechanical shock which we will leverage in this development.”

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To learn more about Princeton Infrared Tech's full line of innovative, affordable InGaAs SWIR linear arrays and cameras, please visit [www.princetonirtech.com](http://www.princetonirtech.com) or call 1-609-917-3380 for more information.

**Princeton Infrared Technologies, Inc.** - [www.princetonirtech.com](http://www.princetonirtech.com) - Specialists in indium gallium arsenide (InGaAs) imaging technology, Princeton Infrared Technologies, Inc. focuses on design and manufacture of both shortwave infrared cameras, and one- and two-dimensional imaging arrays. All products are created in the company's fabless environment under strict testing and quality control guidelines, providing innovative and cost-effective detectors that image in the visible, near- and shortwave-infrared wavelengths. Application areas include spectroscopy for sorting materials, moisture detection, thermal imaging, night vision, and laser imaging for military, industrial, and medical markets.

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