

# NEWS RELEASE

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*For Immediate Release*

## Princeton Infrared Technologies Honored by Vision Systems Design 2016 Innovators Program

- Revolutionary **1280SciCam SWIR** scientific camera, with the longest integration times and highest frame rates at megapixel resolution, earns Gold Level award.

**Monmouth Junction, NJ – May 9, 2016 - Princeton Infrared Technologies, Inc.**

**(PIRT)** ([www.princetonirtech.com](http://www.princetonirtech.com)), announced today that its **1280SciCam SWIR** scientific camera was recognized by the judges of the annual Vision Systems Design (VSD) Innovators Awards program with a Gold Level award. The judging panel consisted of esteemed experts from system integrator and end-user companies.

The high resolution 1280 x 1024 pixel camera is a ground-breaking imaging system that operates in the SWIR/visible spectrum from

0.4  $\mu\text{m}$  to 1.7 $\mu\text{m}$  and delivers the highest, full-frame rate available in a SWIR camera, greater than 95 frames per second. The small 12 $\mu\text{m}$ -pitch, low-read noise (<35e-), and 14-bit ADC makes the new camera ideal for machine vision applications where sensitivity and high resolution in the SWIR band is critical. Three temperature setpoints of 25°C, 0°C, or -50°C using TECs also support long integration times >5 minutes while maintaining low noise.



The Innovators Awards are judged based on the following criteria:

- Originality
- Innovation

- Impact on Designers, Systems Integrators, End Users
- Fulfilling a need in the market that hasn't been addressed
- Leveraging a novel technology

According to Martin H. Ettenberg, Ph.D. and CEO of Princeton Infrared Technologies, Inc., "We are delighted and honored to receive this prestigious VSD Innovators Award. We designed and built the new SWIR1280SciCam to fill a need in the scientific and machine vision markets for a 1.3 megapixel resolution camera that had low noise and high frame rates without image lag, while also allowing long integration times for low-signal-level-imaging applications in semiconductor inspection, fluorescence in biological samples, and moisture detection in processing."

To learn more about Princeton Infrared's visible/SWIR scientific cameras, linescan cameras, and 1- and 2-D linear arrays, please visit: [www.princetonirtech.com](http://www.princetonirtech.com).

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**Princeton Infrared Technologies, Inc. (PIRT - [www.princetonirtech.com](http://www.princetonirtech.com)) -**

Specialists in indium gallium arsenide (InGaAs) imaging technology, PIRT 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 commercial markets.

**About The Vision Systems Design 2016 Innovators Awards program -**

The Vision Systems Design 2016 Innovators Awards program reviews and recognized the most innovative products and services in the vision and image processing industry. Honorees were announced at The Vision Show 2016 held in Boston, MA, USA. Criteria used in the Innovators Awards ranking included: originality, innovation; impact on designers, systems integrators and end-users; fulfilling a need in the market that hasn't been addressed, leveraging a novel technology, and increasing productivity.