

# NEWS RELEASE

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## Attollo Engineering

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*For Immediate Release*

## Attollo Engineering Introduces Low Cost, Miniature Shortwave Infrared (SWIR) QVGA Camera

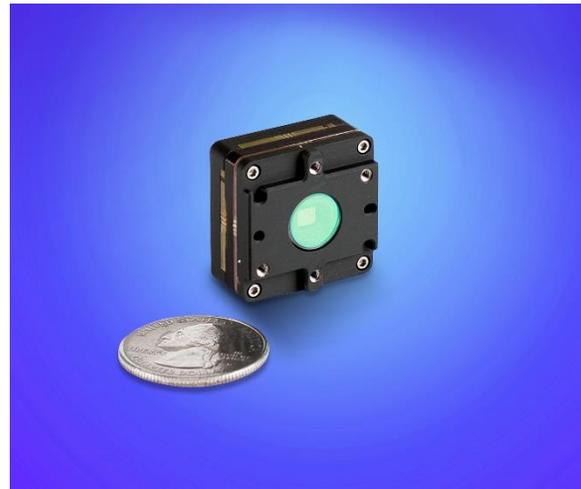
- Breakthrough low-SWaP SWIR quarter-VGA format camera now available under \$5K.

**Camarillo, Calif. – Jan. 5, 2022 – Attollo Engineering** ([www.attolloengineering.com](http://www.attolloengineering.com)), global engineering experts and suppliers of infrared imaging, LiDAR/LADAR, and laser sensing solutions, introduces a quarter-VGA format camera (320 x 256 resolution), based on indium gallium arsenide (InGaAs) shortwave infrared technology. The miniature **Phoenix QVGA SWIR Camera** is available at an industry-leading low-cost of \$4900 (camera core with parallel output). Featuring the smallest SWIR sensor available, the innovative camera is superior for applications that require low size, weight, and power (low-SWaP).

The affordable new Phoenix QVGA is specially designed for applications that require cost-efficiency at the system level, when compared to competing shortwave infrared imagers. The lightweight (only 23 g without lens) SWIR camera captures snapshot imagery utilizing a high-performance InGaAs detector with an extremely small 5-micron pixel pitch that enables a short focal-length optic.

Other features include a global shutter with integrate then read (ITR) capabilities, and a minimum of 100 ns integration time with presets and user-defined options. The spectral response spans a range from 1.0  $\mu\text{m}$  to 1.65  $\mu\text{m}$ . Camera Link or USB-C outputs and a selection of lenses are also available, at additional charge.

Attollo Engineering's new low-cost Phoenix QVGA SWIR camera is ideal for use in drones or other small gimbal applications. It is also well-suited for laboratory applications, optical



fiber alignment tasks, precision agriculture, driver vision enhancement (DVE), microscopy, machine vision, and any other SWIR imaging applications that require a small footprint.

To view the data sheet for the new economical Phoenix QVGA (320 x 256 pixel array) SWIR Camera, please go to: [Phoenix-QVGA-SWIR-Imager.pdf \(attolloengineering.com\)](#)

For more information about Attollo Engineering's full line of ultra-compact, affordable products that combine high-performing infrared imaging technology with laser imaging, please visit: [www.attolloengineering.com](http://www.attolloengineering.com)

## **ABOUT THE COMPANY:**

**Attollo Engineering ([www.attolloengineering.com](http://www.attolloengineering.com) – Camarillo, CA)** specializes in imaging technology that combines infrared (IR) and laser imaging. The company was founded in 2012 with the purpose of developing ultra-compact and highly functional optoelectronics devices and systems. We are actively working on shortwave infrared (SWIR), extended SWIR, mid-wave IR, and longwave IR sensors along with associated packaging into cooled or uncooled assemblies. Other projects include small precision targeting systems and seeker/spot detector solutions; LiDAR components and systems; beacons for personnel recovery; innovative image array packaging and electronics to aid in improving time-to-market for new detector materials, with a focus on small-pixel-pitch hybridization techniques and reconfigurable camera electronics. Markets served include military/defense, unmanned systems, machine vision, automotive, security/surveillance, agriculture, and more.

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