

# Sierra-Olympic Technologies, Inc. announces smallest pixel pitch LWIR on the market

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For immediate release

Hood River, Oregon: Sierra-Olympic Technologies, Inc. is excited to debut the Ten $\mu$ m 640 uncooled long-wave infrared camera core, featuring an industry-leading 10 micron pixel pitch uncooled VOx microbolometer sensor. As the smallest pixel pitch LWIR on the market, the Ten $\mu$ m delivers striking detail and sensitivity at 640 x 512 VGA resolution, in a compact and cost-effective package.

Made in the USA by Leonardo DRS, industry pioneers in high-sensitivity microbolometer technology, the series of lens-integrated cameras (no-lens also available) is distributed and supported in North America exclusively by Sierra-Olympic Technologies, Inc.

“The Ten $\mu$ m is an exciting development for VGA resolution microbolometer sensors,” said Chris Johnston, Sierra-Olympic Technologies, Inc. President. “The bulk of uncooled LWIR technology is in low resolution, as in 60 x 80 or 160 x 180. There are a lot of applications where that resolution works perfectly fine, but Sierra-Olympic has always been focused on the upper limits of sensitivity and resolution; on getting the maximum value and performance out of the latest technology available.”

As a longtime partner and North America’s exclusive distributor for DRS Technologies, Sierra-Olympic Technologies, Inc. has played an active role bringing the Ten $\mu$ m to market as an evolution of the popular Tamarisk series of 320 and 640 LWIR camera cores.

“Compared to the Tamarisk, the Ten $\mu$ m is higher resolution, higher performance and lower cost, which is an increasingly-rare combination these days,” said Jeff Leake, Sierra-Olympic VP of Sales. “The imagery and sensitivity these small cameras deliver is exceptional. Being distributed by Sierra-Olympic means the product is supported by a respected team of experts who work directly with customers to ensure successful integration, operation and follow-up support.”

As a value add, Sierra-Olympic is completing development of USB and Gig-E feature boards that will integrate with the Ten $\mu$ m 640 to make it more universal and easier to use out of the box. When released (expected summer 2021), those camera models will be available worldwide exclusively through Sierra-Olympic Technologies.

## Ten $\mu$ m key specs:

- Sensor: 10  $\mu$ m 640 x 512 uncooled VOx microbolometer sensor
- Lens models: 7.7 mm (49 x 40 °) / 15 mm (25 x 20 °) / 20 mm (18 x 15 °)
- Sensitivity: <50 mK NETD / <30 mK w/ 3-D noise filter
- Frame Rate: 60 Hz (9 Hz option available)
- Weight: 29 g (no lens)

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