



SPIE Defense + Commercial Sensing – Anaheim, CA

April 11 - 13
An advance look at the products, trends and technologies being presented.



Anaheim, California: A City of Fun & Excitement
The Anaheim Convention Center in California will host SPIE's Defense and Commercial Sensing this year. It's a global technical conference and exhibition focused on sensing, imaging and photonics technologies for applications in defense, security, health care and the environment.

But there's more to Anaheim than its convention center. Founded in the mid-1800s by a group of German families, this city is now among the most populous in California. Anaheim sits within the Los Angeles metropolitan area, along the Santa Ana River and nearby Santa Ana Mountains. But not only is it a beautiful city, it's also filled with thrills, excitement and fun.

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World's First True HD Thermal Camera

VIENTO HD LAB

- + True HD Resolution
- + 1920 x 1200 x 12 μm
- + 30 Hz Frame Rate
- + 24 mm F1.1 Optic

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SPIE DCS
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Featured Exhibitors

[Family-Run Integrity for 70 Years](#)

From: LaCroix Precision Optics

Since 1947, LaCroix Precision Optics has become a premier precision custom optical manufacturer in America. With attention to detail and attentive customer service, we deliver highly customized optics in the quantity you need, from prototypes to full-run production in the hundreds of thousands. We are ISO 9001:2008, ITAR Registered and Compliant.

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[World's 1st True HD Thermal Camera](#)

From: Sierra-Olympic Technologies, Inc. (SOTI)

New, longwave-infrared (LWIR) Viento HD Lab camera is the world's first true high-definition (HD) thermal imager. The revolutionary camera is a fully-functional system, based on a unique 1920 x 1200 x 12 μm uncooled sensor and includes a 24 mm F1.1 athermalized, custom-designed optic and HD camera housing with conductive cooling. It is specially designed for users who require maximum number of pixels available in a thermal, commercially-supported imaging system.



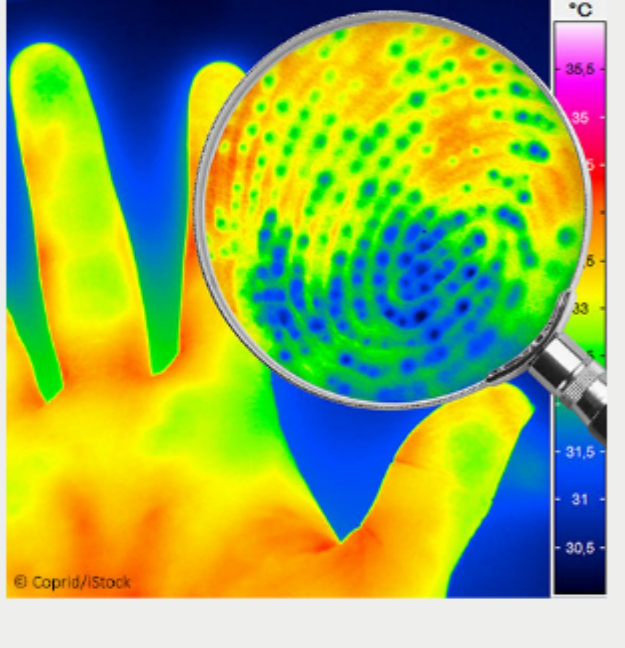
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[Quadruple Your IR Pixel](#)

From: InfraTec GmbH

InfraTec introduces MicroScan technology for its high-end camera series ImageIR®. The quadruplication of IR measurement pixels enables for cost-efficient and most effective image recording. Models of this camera series deliver images with (1,280 x 1,024) and (2,560 x 2,048) IR pixels showing real temperature values in real-time. Record measurement objects completely and solve most demanding measurement tasks ranging from micro-thermography to security applications.



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[Hinds' PEMs for Remote Sensing](#)

From: Hinds Instruments Inc.

Hinds Instruments manufactures ruggedized Photoelastic Modulators (PEMs) for use in remote sensing applications. Ruggedized PEMs are for use outside the lab and can be used in planes or other sub-orbital installations. Standard PEM configurations are available for use in Stokes and Mueller polarimetry. For these we offer kits or fully integrated systems for light or materials measurement.



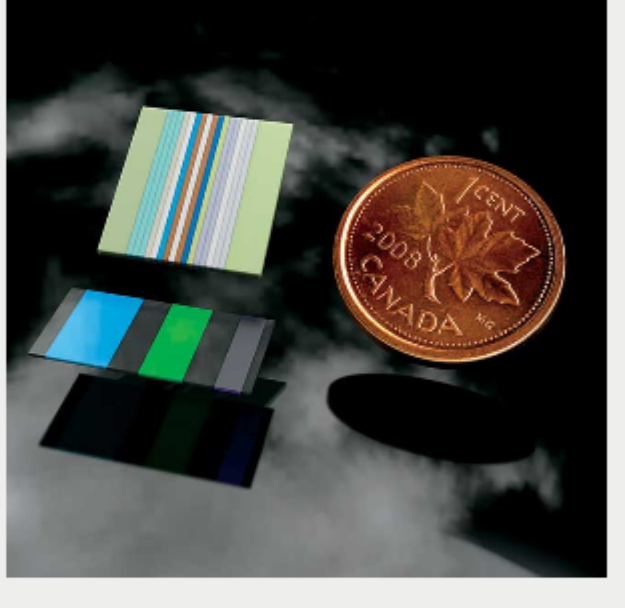
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[Multizone Filters for Remote Sensing](#)

From: Iridian Spectral Technologies

The ability to offer spatially varying spectral performance on a single element can have many advantages in optical systems used for Earth Observation (EO) remote sensing or multi-spectral imaging. Iridian offers customized multizone filter (MZF) arrays using both multi-element assemblies ("butcher-block" approach) and patterned arrays to address growing needs for this functionality anywhere in the wavelength range from the UV (300nm) to LWIR (10um).



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[IR Imaging Component Leader](#)

From: Optiforms Inc.

Optiforms is the global leader of infrared imaging components, precision electroformed optics, and high performance optical coatings. Based in Temecula CA, Optiforms partners with companies that demand precise control of light energy. Together we solve operational and design challenges to craft optical and mechanical components that deliver the highest levels of performance and quality. Proud recipient of 2017 L-3 Cincinnati Electronics Distinguished Supplier Award for Outstanding On-Time Delivery.



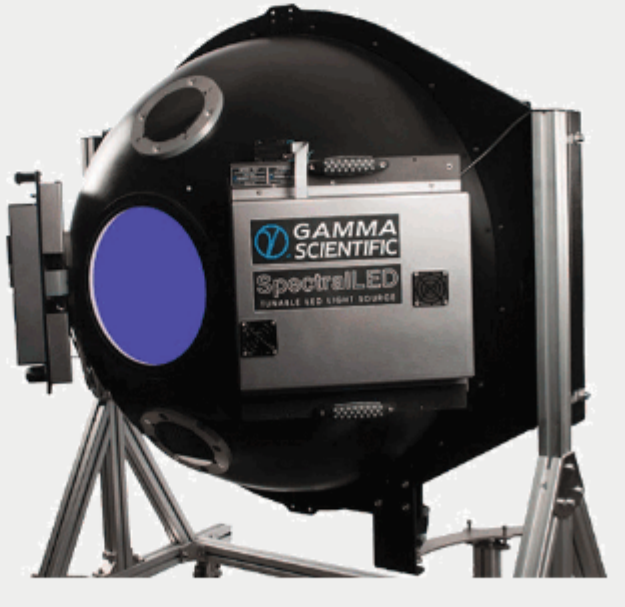
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[SpectralLED Tunable Light Source](#)

From: Gamma Scientific

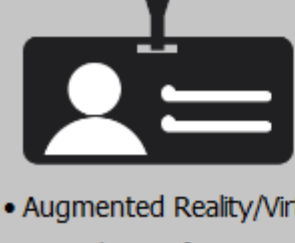
The SpectralLED tunable uniform light source for camera and image sensor calibration delivers superior spectral resolution and accuracy with higher brightness and a broader color gamut than any available halogen or LED-based source. It accomplishes this with 35 discrete LED channels, each having 16-bit resolution in intensity settings. This enables the SpectralLED to be programmed to produce output that closely matches virtually any illuminant source in a single instrument.



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PHOTONICS MEDIA



STOP BY OUR BOOTH

Visit Photonics Media in booth 200 as we celebrate 50 years in 2017! The April edition of *Photonics Spectra* magazine is our defense issue with feature articles covering:

- High-Speed IR Read-Outs for Defense Applications
- Augmented Reality/Virtual Reality for Defense
- UASs / UAVs for Emerging Defense and Military Applications
- Trends in Biological/Chemical Sensing in Defense
- Defense and Photonics – 50 Years in Review
- Plus, a preview of Defense + Commercial Sensing 2017

While you are at our booth you can start or renew a subscription to our magazines for FREE, look through all our latest issues, pick up a 2017 calendar highlighting some of the industry events, grab a FREE Photonics Media bag to carry them all away in, and enter-to-win a \$100 Amazon Gift Card.

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