Issue 2 Tuesday, April 10, 2018

sneak PREVIEW

PHOTONICS MEDIA

SPIE Defense + Commercial Sensing – Orlando, FL

April 17-19

An advanced look at the products, trends and technologies being presented.

Adventure Awaits in Orlando

SPIE Defense and Commercial Sensing (DCS) in Orlando, Fla., is fast approaching. Attendees will soon discover how today's high-tech world is reinventing warfare, as well as environmental, cyber and health care segments. To be held this year at the Gaylord Palms Resort & Convention Center in Orlando, Fla., April 15-19, this global conference and exhibition presents leading technical conferences, courses and demonstrations on sensors, optics, imaging, lasers and related areas for defense, security, industry, health care and the environment. But Orlando offers much more outside of the Gaylord convention center, and it's waiting for you to explore.

Watch Video

Featured Exhibitors

Measuring Range of Up to 10°

From: TRIOPTICS GmbH

TRIOPTICS offers with the TriAngle series a comprehensive range of electronic autocollimators for the ultra-precise optical measurement of angle adjustments. Traditionally, autocollimators are limited to a very small measurement range of about 1.7° or less. In contrast, the TriAngle VLF (Very Large Field) has been specifically designed for applications requiring a large measuring range of 10° without compromising the measurement accuracy and resolution that is known from standard autocollimators.

Visit us: Booth 1710

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Embedded Vision Solutions & Design

From: Critical Link LLC

Critical Link's depth of experience in image sensor technology, SoC & FPGA design, vision protocols, and signal processing uniquely position us as a premier development partner in imaging system design. Visit booth #719 at SPIE DCS to see demos of our latest industrial-quality embedded imaging platforms ranging from <1MP up to 50MP.

Visit us: Booth 719

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19mm Thermal Imaging Lens Assembly

From: LightPath Technologies Inc.

The new 7100338 19mm EFL, f/1.1 lens assembly is a low-cost dual element designed for 33deg HFOV on 640 × 480/17µm detector. Featuring BD6™ glass material enabling optical athermalization. High-efficiency AR coating for LWIR (8-14µm) with optional DLC hard coating available.

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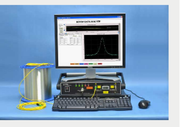
Distributed Strain & Temperature Sensor

From: OZ Optics Limited

OZ Optics' sensor simultaneously measures strain and temperature along the entire fiber length with high-resolution. By wrapping or embedding standard telecom fiber inside a power line/pipeline, users can detect when & where the structure is being strained or heated and correct the problem before failure occurs. It is ideal for monitoring pipelines or power lines. The sensor could also be used in detecting fire, corrosion/erosion and intrusion sensing.



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pco.dimax cs High-Speed Camera

From: PCO-TECH Inc.

The pco.dimax cs high-speed camera series covers three available models that vary in their maximum resolutions and deliver frame rates from 1102 fps @ 2016 × 2016 pixels up to 3086 fps @ 1296 × 1024 pixels. Due to the camera's outstanding light sensitivity and true 12 bit dynamic range it images perfectly in demanding settings such as compromised lighting situations with very bright and dark areas within a single image.

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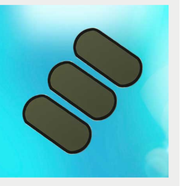
Broadband Dark Mirror Coatings

From: Deposition Sciences Inc. (DSI)

DSI dark mirrors are ideal for defining apertures in optical systems where control of stray light and elimination of crosstalk are critical, such as in high-performance, low-light imaging or display systems for military, satellite, security and hyperspectral applications. DSI process capabilities deliver very broadband performance, and can produce precisely sized apertures ranging from circular to more complex geometries. Stop by our booth to learn more about our products.



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640 x 512 x 10µm Uncooled LWIR Camera

From: Sierra-Olympic Technologies Inc. (SOTI)

The revolutionary Tenum™ 640 longwave-infrared (LWIR) camera provides 640 x 512 pixel resolution with 10-micron pixel pitch, making it the most advanced uncooled infrared sensor design available for commercial OEM use. Leonardo DRS' vanadium oxide (VOx), ultra-sensitive microbolometer technology and ultra-small pixel structure combine to deliver unrivaled LWIR imaging performance at a remarkable cost advantage. The high-resolution array offers detection at 60 fps and superior sensitivity (less than 50 mK NETD).

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Three-In-One Thermal Camera

From: InfraTec GmbH, Infrarotsensorik und Messtechnik

InfraTec introduces Binning technology for its high-end thermal imaging camera series ImageIR®. This feature allows a choice between two speed modes. In one moment, work in full frame mode with full spatial resolution and in the next, work with the identical field of view but more than triple the frame rate. Using the Binning you gain an additional increase in thermal resolution. One camera, three options, numerous benefits = ImageIR®.

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STOP BY OUR BOOTH

Visit us at Defense + Commercial Sensing 2018 in booth 1422. In addition to our latest issues of *Photonics Spectra*, *Industrial Photonics*, *EuroPhotonics* and *Biophotonics* magazines we will have a lot going on in our booth.

- Preview the books available in our online book store. Pick-up a bookstore postcard with a discount code for your next order.
- Charge your device at our charging kiosk
- Ask how you can get a free t-shirt
- Enter-to-Win a DESTEK V4 Virtual Reality Headset and a $50 Amazon Gift Card
- Subscribe to or renew our magazines for FREE.

And as always you can visit us online at www.photonics.com