

sneak PREVIEW



SPIE PHOTONICS WEST – San Francisco, CA

February 16-18

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



Exploring the City by the Bay

San Francisco, home to SPIE Photonics West – the industry’s largest conference and exposition – is a city of neighborhoods. In this issue of Sneak Preview – Photonics West Edition #1 – Photonics Media Senior Editor Justine Murphy explores some of what makes this town so distinctive and exciting.

In the mid-1800s San Francisco got a bit of a kick-start when it became the central port and depot of the west’s initial Gold Rush frenzy. The infamous earthquake and subsequent fires of 1906 destroyed much of the city, but it was rebuilt rather quickly and by the 1930s it was growing exponentially into outlying neighborhoods.

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Featured Exhibitors

See FLIR’s High Speed 640 x 512 Infrared Camera

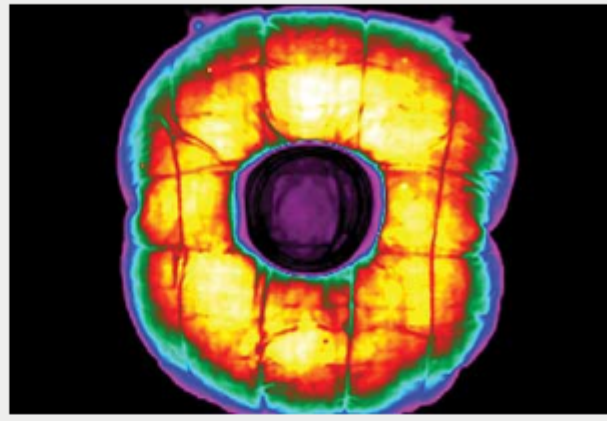
From: FLIR

Whether you need to measure temperatures on fast moving objects or characterize the thermal transient of objects as they heat up, you need a camera with a very fast frame rate and a high resolution. FLIR has the answer with its newest science camera: the fastest 640 x 512 commercial infrared system available today. Stop by Booth 2632 at Photonics West to see it in action.

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Everstill™ Active Vibration Cancellation

From: TMC

The new Everstill™ K-400 compact, benchtop active vibration cancellation platform isolates ultra-precision instruments from building floor vibration, enabling higher resolution and more precise measurements. Designed for maximum low-frequency performance, Everstill excels in the critical 1-10 Hz range where precision instruments tend to be the most sensitive. It is ideal for optical microscopes, SPMs and metrology instruments. TMC is a unit of AMETEK Ultra Precision Technologies.

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Perfectly Aligned with You

From: LACROIX OPTICAL CO.

LaCroix Optical focuses on taking customers’ designs from paper to prototype and into production. Stringent process and quality controls provide confidence that what worked once will work every time. Our emphasis on manufacturability improves repeatability, delivery, and cost.

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1W Blue and Red Line Laser Modules

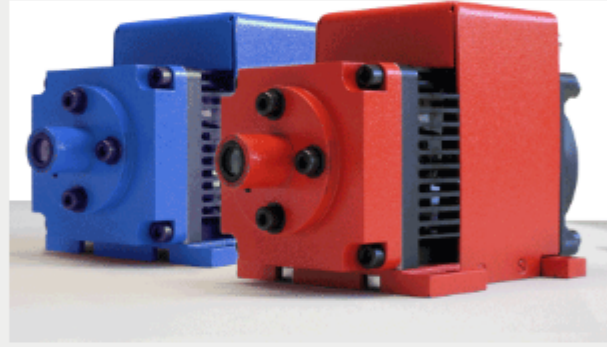
From: FRANKFURT LASER COMPANY

Highest power for machine vision applications like: Steel Industry, Railway Wire Inspection or Roof Tile Inspection. FLC offers high power line laser modules with up to 1 W output power at 450 nm (HEML-0450-1000-LX) and 660 nm (HEML-0660-1000-LX).

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Miniaturized Four-Channel Detector

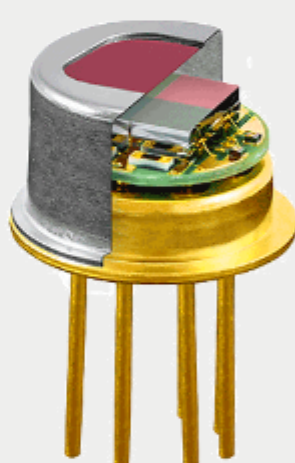
From: InfraTec GmbH, Infrarotsensorik und Messtechnik

InfraTec’s new pyroelectric detector comes in a TO39 housing with an aperture of 5 mm. The four-IR-channel filters are placed inside and are protected by a central entrance window. The miniaturized stack design also offers thermal compensation and wider FOV.

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Standard & Custom OPTO-Imaged Components

From: APPLIED IMAGE INC.

APPLIED IMAGE is a global leader with a large selection of precision OPTO-imaged standards manufactured on a wide variety of materials and internationally known for our Custom Design and Manufacturing capabilities, PHOTOMask Services and BALL Lenses. Using the latest manufacturing technologies, APPLIED can provide the highest quality imaged products, on time and within your budget. To see our extensive product lines or discuss your custom requirements, see us at Photonics West Booth 622.

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50 Years of Superior Reliability & Performance

From: COHERENT, INC.

In celebration of 50 years of Superior Reliability and Performance, Coherent will showcase the next generation of laser-based solutions serving the scientific, life sciences, medical and industrial markets. Stop by booth #1101 and discover:

- The 5 μm Advantage
- Breakthroughs in High Power and Micro Materials Processing
- The Industrial Revolution in Ultrafast Science
- Test and Measurement Solutions On-the-Go
- The Ultimate Choice, Perfect Match Portfolio for Life Sciences

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All-In-One Beam Steering System

From: NEW SCALE TECHNOLOGIES

This new miniature beam steering system enables smaller instruments. The rotary piezo smart stage has a familiar galvo form factor, but dramatically smaller size: just 12 mm diameter including the built-in closed-loop controller. Developer’s kits are available for one-axis mirror positioning and two-axis beam steering systems. Mirrors move +/-20° for precise point-to-point positioning of beams up to 2 mm diameter or dynamic scanning to 100 Hz.

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BIOS Expo, Booth 8515, February 13-14, Moscone West
Photonics West, Booth 904-905, February 16-18, Moscone South

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