




sneak PREVIEW

PHOTONICS MEDIA

Vision – Stuttgart, Germany

November 6-8
An advanced look at the products, trends and technologies being presented.

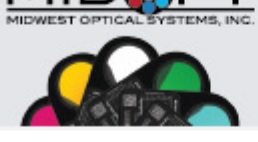


Vision 2018 Showcases Machine Vision Innovation

VISION 2018, organized by Landesmesse Stuttgart GmbH, is the world's leading biennial trade fair for machine vision. It provides a marketplace for component manufacturers and a platform for system suppliers and integrators.

The event will be held Nov. 6-8 at the Messe Stuttgart exhibition and trade fair center in Stuttgart, Germany, a city known as a top industry meeting point for machine vision. About 10,000 visitors and nearly 500 exhibitors from 28 different countries are expected to attend.

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INNOVATIVE FILTER DESIGNS
for Industrial Vision

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BOOTH #1G53


Featured Exhibitors

Highlights at Euresys' Booth

From: Euresys s.a.

Coaxlink Quad CXP-12 is a four-connection 12-Gbps CXP 2.0 frame grabber and Coaxlink Octo connects up to eight CXP cameras to one card. Both support CustomLogic: Custom on-board FPGA processing. Also on display, EasyDeepLearning, a Convolutional Neural Network-based image classification library and Easy3D, a set of software tools to build 3D inspection applications. Sensor to Image IP Cores, Pico HD1 Video servers and Camport Video Converters will also be available.

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NEW MidOpt SWIR Filters

From: Midwest Optical Systems Inc. (MidOpt)

MidOpt introduces SWIR (short-wave infrared) Filters designed to enhance the image quality of InGaAs camera technology. SWIR Filters are useful for applications imaging from 900 - 2300nm, and allow systems to see through non-transparent surfaces. SWIR Filters can be used for various inspection tasks in the food and beverage, woodworking, textile or automotive industries.

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Lens & Camera Modules

From: Navitar Inc.

Combining Navitar lenses with Pixelink high-speed USB 3.0 industrial camera models allows simple image acquisition and flexible image processing options to suit your individual application. Tailor one of our existing designs to fit your specifications with no time lost during the design process. Navitar camera modules provide high-resolution, low-noise digital imaging solutions used in the automotive, virtual reality, augmented reality, drone, surveillance, and agricultural industries.

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pco.panda 4.2 bi

From: PCO-TECH Inc.

PCO's new back illuminated camera pco.panda 4.2 bi provides a quantum efficiency of up to 95%. This makes the camera perfect for demanding lighting conditions, even without active cooling. The high resolution and 6.5 x 6.5 μm² pixel size guarantees high-quality images. USB 3.1 provides direct power delivery via the USB cable. Its compact dimensions make the pco.panda 4.2 bi ideal for countless applications in microscopy and life science.

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Visualizing Hydrocarbon Gas Leaks

From: Sierra-Olympic Technologies Inc. (SOTI)

Ventus™ OGI is the smallest, lightest, and lowest-powered optical gas imager available. The revolutionary camera with 640 x 512, 15-micron pixel-pitch, midwave-infrared (MWIR) detector array provides unmatched thermal sensitivity. Weighing 580 grams, with lens, it's designed to optimize detection/visualization of hydrocarbon gas leaks, such as methane, propane, butane, and more. "Hot-MWIR" Ventus OGI camera core can be integrated onto fixed-mounted, continuous-monitoring systems or used in gimbals/endosures for unmanned aerial systems.

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Liquid Lens M12 Imaging Lenses

From: Edmund Optics GmbH

This lens series utilizes the Varioptic lens to enable a quick focus between minimum working distance and infinity. These lenses offer high image quality on large sensor formats (1/2" or 1/1.8"). The opto-mechanical design supports the ease of use: The rear section of the lens is removable, the housing is designed to achieve a lens rotation of 180°. This series comprises four focal lengths and operates at a fast F/2.4.

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Rethinking Embedded Vision

From: Allied Vision Technologies GmbH

Allied Vision's camera series powered by ALVIUM® technology combines the performance of a classic machine vision camera with the advantages of conventional embedded vision sensor solutions. Not only does it open up new perspectives in the development of PC-based image processing systems, but also offers the possibility of migration from PC-based systems to embedded vision systems.

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Embedded VCnano 3D Laser Profiler

From: Vision Components GmbH

All new 3D laser profilers from Vision Components integrate a powerful blue laser with an embedded vision system featuring ambient light suppression technology and IP67 protective housing. Applicable for working distances up to 3m, each unit includes a free MV library and 3D data processing. Applications include volume measurement, weld seam inspection, adhesive bead tracking and robotic pick and place.

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S990 High-Speed Machine Vision

From: Vision Research Inc., Phantom Digital High-Speed Cameras

The Phantom S990 offers 9.4Mpx (4096 x 2304) resolution at up to 938 fps, for 8 Gpx/sec of throughput, significantly expanding machine vision possibilities. The S990 uses CXP6 protocol, is Gen-I-Cam compliant, and J1ta certified. Use 4, 8, or 16 CXP6 ports to transfer up to 2, 4, or 8 Gpx/sec of data. The Phantom S990 brings world class image quality and high-speed know-how to streaming and machine vision applications.

Visit us: Hall 1, Stand 1H20





STOP BY OUR BOOTH

Visit us at VISION 2018 on Hall 1, Stand 1D01. In addition to our latest issues of *Photonics Spectra*, *EuroPhotonics*, *Industrial Photonics* and *Biophotonics* magazines we will have a preview brochure for our new magazine, *Vision Spectra*, which is coming in 2019.

While you are there, be sure to subscribe to – or renew – our magazines for FREE. And remember to ask how you can get a free t-shirt.

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