Tuesday, July 16, 2024

PHOTONICS SHOWCASE

PHOTONICS MEDIA photonics.com

See the latest products and services from July 2024.

View All

.: Featured Products & Services

Dione Series
From: Xenics NV

Dione series — LWIR cores of compact form factor, low weight (SWaP) with QVGA to SXGA resolutions, 12 µm pixel pitch microbolometer detectors and low NETD options. Available with or without shuttered version, low-latency image transfer, quick startup to image, multiple interfaces, and GenICam compliance adds flexibility to various operational environments like defense, transportation, and industrial markets on vehicle or aerial platforms.

Visit Website | Request Info

Precision Micro-Marking Laser
From: PhotoScribe Technologies Inc.

Precision micro-marking with the power of the 193nm DUV Excimer laser in a compact turnkey design. Ultra-precision beam control and a high-accuracy integrated motion/vision system. Ideal for: Diamonds, glass, polymers, ceramics, metals. Applications across Quantum devices, micro-optics, MEMS, microfluidics industries such as medical devices, electronics, aerospace, R&D Intuitive software for desktop rapid prototyping with unmatched reliability.

Visit Website | Request Info

Liquid Light Guides
From: Lumatec GmbH

Liquid Light Guides are flexible, unbreakable, and very durable, and they have significantly better transmission, more homogeneous illumination, and a larger aperture than fiber bundles at lower costs! They are the perfect solutions for applications that demand uniform, high-intensity light. We offer four different series designed for diverse spectra ranging from ultraviolet to infrared and a broad selection of end fittings.

Visit Website | Request Info

872 Series Laser Wavelength Meter
From: Bristol Instruments Inc.

The 872 Series High-Resolution Laser Wavelength Meter is ideal for the frequency stabilization of lasers. Offering a frequency resolution as high as 200 kHz, the 872 Series provides exceptional sensitivity to wavelength deviations. With a built-in PID controller and 1 kHz sustained measurement rate, the 872 Series is well suited to precisely stabilize lasers used in applications such as atomic cooling and trapping.

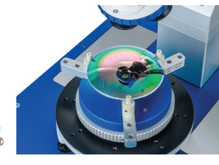
Visit Website | Request Info

Photonics for a Better Environment
From: Hamamatsu Corporation

Photonic technologies are at the core of the innovative solutions that reduce pollution and promote a more sustainable, cleaner environment. At Hamamatsu, we're committed to advancing the technologies that help protect our environment, such as sensors for pollution detection, water purification with targeted contaminant removal, and waste management with better detection, sorting, and recycling. Enable a better world with us.

Visit Website | Request Info

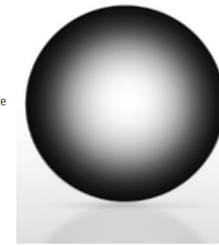
Highly Precise IR Lens Centration
From: TRIOPTICS GmbH



TRIOPTICS OptiCentric® 101 IR for testing and assembly of infrared lenses in VIS, MWIR, and LWIR reaches an unrivaled centration measurement accuracy of <0.25 µm in the IR and <0.1 µm for VIS. The unique IR-compatible air gap and center thickness measurement completes the optomechanical characterization of the lenses. Intuitive and simple operation of all integrated measurement heads is ensured by the software OptiCentric® 9.

Visit Website | Request Info

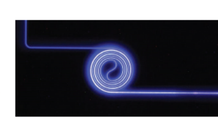
Bullseye® Apodizing Filters
From: Reynard Corporation



Bullseye® Apodizing Filters radially modify beam distribution in optical systems. Standard Gaussian or customized filters inserted in line with a light source reduce undesirable intensity variations. Configurations include both dark-in-the-center, typically used to reduce low-frequency variations or create top-hat wave fronts, and clear-in-the-center functions, typically used to reduce high-frequency variations outside of the main beam profile. ISO9001:2015, ITAR, Cybersecurity compliant.

Visit Website | Request Info

Photonic Integrated Circuits in UV
From: Aluvia Photonics



Aluvia Photonics offers cutting-edge PICs on our custom Al2O3 platform. Offering record low-loss, an ultra-broad spectral window from UV to mid-IR and capabilities for optical amplification. Perfect for sensing, quantum computing, datacom and more. Access affordable multi-project wafer runs with a user-friendly PDK and rapid turnaround or partner with us for dedicated development. Unlock new capabilities for your PICs with Aluvia Photonics.

Visit Website | Request Info