



Photonics Showcase

[Ocean NR 2.5 Spectrometer](#)

From: Ocean Optics

The Ocean NR 2.5 spectrometer delivers broad NIR coverage from 900–2500 nm for advanced material analysis. Its extended range supports reliable performance in research, industrial, and OEM settings. Key uses include plastic recycling, liquid concentration, pharma, food quality, and environmental monitoring.

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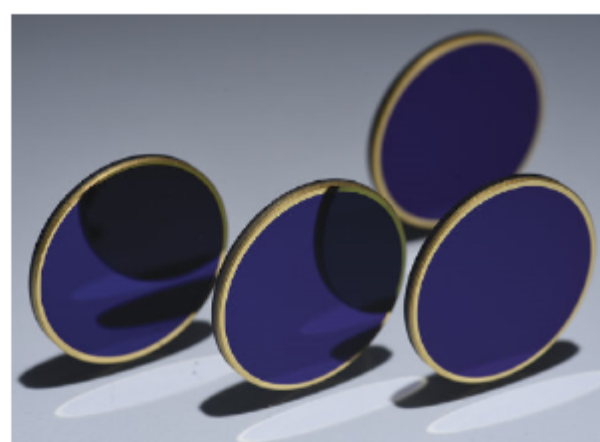
[Conductive Optical Coatings](#)

From: PFG Precision Optics

PFG Precision Optics offers advanced conductive optical thin-film coatings that combine optical transparency with electrical conductivity. Our conductive coatings are found in applications ranging from EMI shielding to anti-fog heating. PFG offers metallic bus bars on optical surfaces or ground edges for system integration, as well as AR overcoats for minimal reflective losses. Prototype through production volumes in the USA.

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[G370 IMU Series](#)

From: EPSON America Inc., EPSON Robots

With over 5,000 units delivered since 2024, Epson's G370 IMUs offer industry-leading low-noise performance in a compact 1" form. Designed for stabilization, guidance, control, and SHM, the M-G370PDT features 0.8°/h bias instability, 0.03°/√h ARW, ±8/16 G accel, 16 mA power, and SPI/UART output up to 2 kSps. Calibrated from -40 °C to +85 °C, it excels in UAVs, satellites, and rugged environments.

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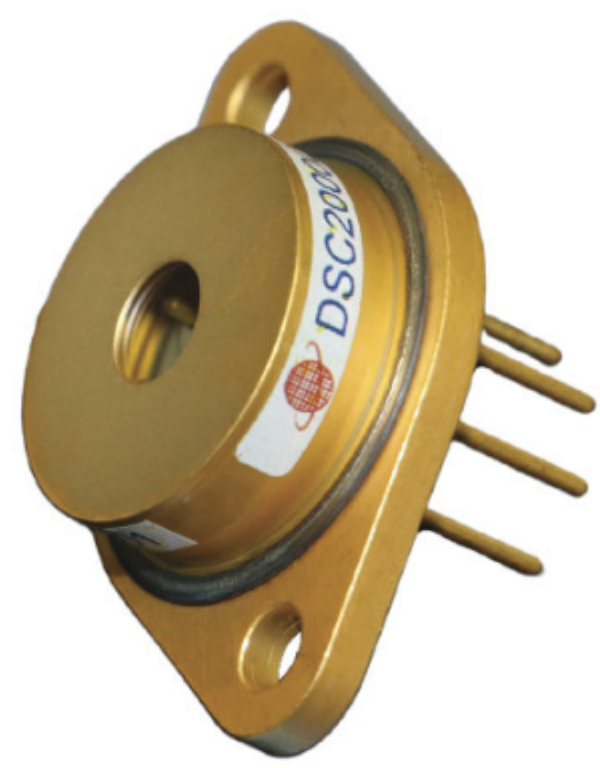
[Quad Photodiodes and Photoreceivers](#)

From: Discovery Semiconductors Inc.

Discovery Semiconductors' patented Shortwave Infrared (SWIR) quadrant photodiode technology not only provides resilience to radiation, but also leads to ultra-low noise performance and low crosstalk. The TIA design lends itself to customization as per end user's requirements without any impact on radiation hardness. Applications include Gravitational Wave Sensing, Satcom Links, and Position Sensing. Extensive reliability and radiation testing done.

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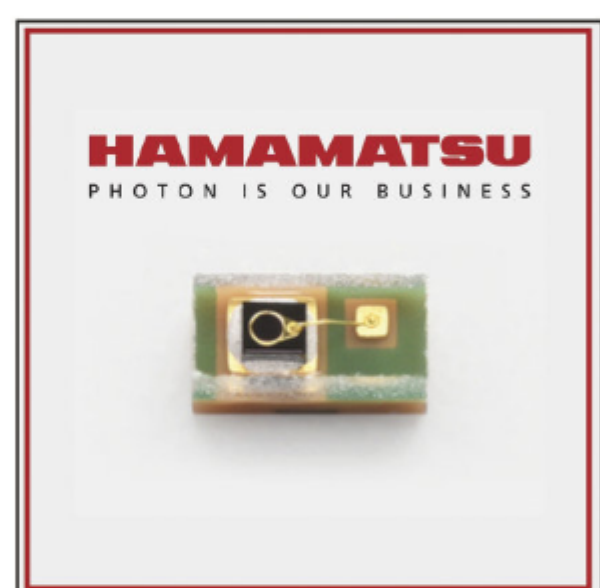
[NEW Compact NIR Detector](#)

From: Hamamatsu Corporation

Hamamatsu's new InGaAs APD G15978-0020P is a surface-mount type "Chip on Board" (COB) package product that's smaller and easier to integrate than traditional designs. Its combination of high sensitivity, compact size, and low dark noise opens new possibilities for compact systems in long-range LiDAR systems and other applications that require compact, reliable, and ready-to-integrate solutions.

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[Automate Your Repeatable Processes](#)

From: Zaber Technologies Inc.

From precision alignment to laser characterization, reliably automate any process with repeatability down to 80 nm. Design your custom motorized XY or XYZ system with our online configurator with real-time pricing. Start moving your system in minutes with our plug-and-play design and software apps. Program advanced motion easily with our free API including sample code for each feature in Python + 7 languages. Systems ship in 1-14 business days.

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[witec360 Raman Imaging Microscope](#)

From: Oxford Instruments

The witec360 Raman microscope features unprecedented throughput from 350-1100 nm; correlative Raman-PL/SEM/AFM/SHG/profilometry options; and modularity that empowers researchers to configure the ideal instrument for their experiments and budget. From specialized instruments for academic investigators through versatile core facility systems and industrial research devices, there is a witec360 Raman microscope that will help you get the job done.

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[TeraScan ultra – cw-THz Platform](#)

From: TOPTICA Photonics Inc.

Ultra-high-precision comb-locked cw-terahertz platform: tunable yet precisely controlled THz source, spectral resolution as high as 1 Hz, enables photonic vector network analysis up to 5 THz. The TeraScan ultra serves applications that require an ultimate stability of the frequency and phase of THz signals: THz communication research, channel sounding, wafer inspection and high-resolution spectroscopy.

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