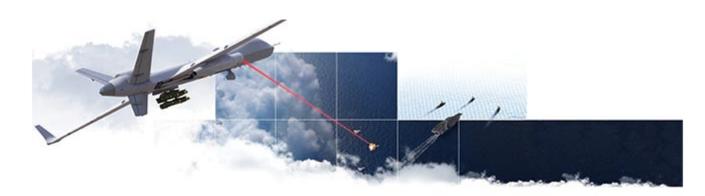


Featured Article

Weekly newsletter from the editors of Photonics Spectra, featuring one must-read article every issue.

Photonics.com/subscribe.

Directed Energy Technologies Mount an Energetic Response to the Drone Threat



"Keep your eye on the sky" is a critical rule in modern warfare, due to the rapid proliferation of low-cost, speedy uncrewed aerial vehicles.

These aircraft can be fitted with surveillance equipment for tracking the enemy or loaded with weapons or explosives to take out targets. Today, drones are a mainstay in modern conflicts, including the Israel-Gaza and Russia-Ukraine wars.

Read Featured Article

Featured Products



<u>Custom HE Laser Mirrors</u>

& Polarizers

Perkins Precision Developments LLC

Perkins Precision Developments (PPD) provides custom, high energy laser optics and assemblies for Directed Energy applications in Aerospace & Defense, Space-qualified Satellite Systems and Industrial Materials Processing. Available high-LDT IBS coatings and components include Epoxy-free Polarizing Beam Splitter Cubes, Dielectric Laser Mirrors and 45 degree Thin Film Plate Polarizers — all of which are made in-house in Longmont, Colorado!

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Photonics Spectra
Reference Chart

Photonics Media

Updated in 2024! This full-color, 29.5 × 20.5-inch poster of the photonics spectrum displays the major commercial laser lines, detectors, and optical materials in the ultraviolet to the far-infrared and beyond. The convenient format makes it easy to quickly find the information you need.

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Laser Sensor

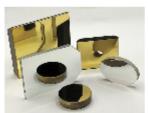
MKS Ophir, Light &
Measurement
The Ophir® 70K-W Ultra-

High Power Laser Sensor

from MKS Instruments is a water-cooled calorimetric sensor for industrial and defense applications, such as high-power fiber laser development and testing, industrial cutting, and directed energy systems. The sensor is able to accommodate vertical and horizontal beams as well as support the use of tap water or deionized water for cooling.

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Sydor Optics specializes in

High Energy Laser Optics, delivering windows and mirrors with industry-leading precision and performance. Subsurface damage reduces optical integrity. Our advanced processing techniques mitigate this, ensuring superior durability, efficiency, and low angstrom roughness. Trusted worldwide, our optics withstand the most intense laser environments. Sydor Optics—where precision meets power.

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