Iris AO Announces New Partnership with Edmund Optics:

Iris AO and Edmund Optics have partnered to produce a new PTT111 Deformable Mirror System with Custom Window Coating

Berkeley, California – 2 September 2015 – Iris AO is excited to announce our newest distributor partnership with world-renown optical component manufacturer, Edmund Optics (EO). For over 70 years, Edmund Optics has been one of the world's leading manufacturers and distributors in optics, imaging, and photonics technology. Iris AO is pleased to join the Edmund family with the release of the PTT111-5 Deformable Mirror system.

"We are very excited to be working with Iris," comments Biomedical Engineer and Product Line Manager at Edmund, Stephan Briggs. "User friendliness and customer satisfaction are always important to us when looking for new products to distribute. The Iris AO kit is nearly plug-and-play, up and running in a matter of minutes. The software/GUI interface is also another highlight of the system, as it is very user friendly." In addition to our precision, open-loop PTT111-5 deformable mirror with 111 actuators and Smart Driver II USB drive electronics, the flagship PTT111-5 system features a custom designed vis-NIR anti-reflection coated window. Created with Edmund Optics' custom window and coating tool, the window was specially-designed to limit the effect of secondary reflections typically found in users' optical set-ups. "The PTT111 already has an excellent reflectivity from 400nm to NIR," explained Dr. Michael Helmbrecht, CEO of Iris AO. "Because several of our customers use our mirrors with high-power lasers, we also looked for a window with a high-damage threshold. Using Edmund Optics' customization tool, we designed our own window that met our requirements perfectly." The custom Iris AO-Edmund Optics windows feature a λ/20 P-V transmitted wavefront and an optimized vis-NIR anti-reflection coating intended to further increase the Iris AO DM performance and capabilities. As Briggs suggests, "not only is the DM system packaging sharp and clean looking, but it appears to be very robust." "This has truly been a collaboration," adds Dr. Franck Marchis, senior AO Application Scientist at Iris. "The system is designed to be integrated into several sub-systems and testbeds and to meet the needs of existing and future customers. We are excited to expand this collaboration to even more integrated instruments for Edmund Optics and those seeking to improve the quality of their laser beam or imaging devices using AO technology."

The PTT111-5 system not only serves as the beginning of what is sure to be a long and fruitful partnership with Edmund Optics, but also as a continuation of Iris AO's commitment to listening to customer feedback and constantly seeking to expand our product-base. "We are looking forward to seeing what the future brings," says Helmbrecht. For more on the PTT111-5 system, see: http://www.edmundoptics.com/optics/optical-mirrors/specialty-mirrors/deformable-mirrors/3258/

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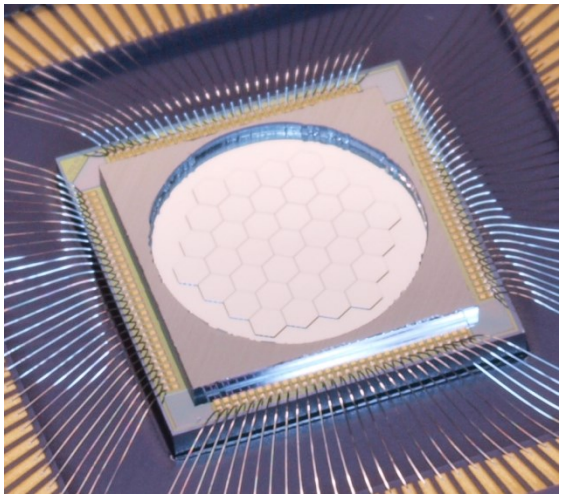
The PTT111 in new, compact packaging. The Deformable Mirror is packaged in a sealed enclosure and protected with a custom designed VIS-NIR antireflection window.
Photo Credit: Iris AO, Inc.



A close-up of the PTT111, featuring 37 hexagonal segments and 111 actuators easily and accurately controlled in piston, tip, and tilt positions with no hysteresis.
Photo Credit: Iris AO, Inc.

About Iris AO:
Iris AO, Inc. (www.irisao.com) develops groundbreaking adaptive-optics (AO) components and systems using microelectromechanical systems (MEMS) technology. Our Deformable Mirrors and systems make AO practical for a host of new applications, including retinal and biomedical imaging, high-contrast astronomical imaging for planet detection developed by NASA, and portable laser communications. Experience how our DMs can meet your imaging, laser beaming, microscopy, academic, or industrial needs.