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## **Optikos Corporation announces upgrades to infra-red testing suite of products & I-SITE product line**

Wakefield, MA. – April 24, 2009 - Optikos Corporation has released several new products and software enhancements to its I-SITE (Imaging Systems Integrated Test Equipment) hardware and software products.

The I-SITE product was initially established by SIRA and later purchased by Coherent-Ealing. Optikos acquired the product line from Coherent-Ealing in 1999 and has incorporated continual improvements and enhancements to entire product line.

New I-SITE products include:

**PMC-600 -Photometric Camera**– this camera provides an objective simulation of the human visual response to enable characterization and measurement of a visual display (i.e., image intensifier tube, LCD, CRT, plasma displays or an aerial image). The PMC-600 has been used to assess the imaging quality of heads-up displays, night vision equipment, commercial and consumer computer displays, and thermal imaging systems. When paired with Optikos's I-SITE software, the PMC-600 allows full characterization of the optical signal integrity through the entire imaging chain of an electro-optical system.

**RAD-900- Scanning Infrared Radiometer** – the RAD-900, along with its accessory Angular Scan Base (ASB-920), allows for calibrated and traceable absolute radiometric measurements to be performed at both 3-5 um, and 8-12 um wavelengths. The radiometer, when paired with the Angular Scan Base, can map both 1D and 2D source radiance. The RAD-900 plays a central role in the calibration of thermal imaging test instrumentation.

**I-SITE Software** – The I-SITE software has evolved through Microsoft's NT and XP operating systems, and has grown to include support for a variety of cameras, most recently Gig-E camera support, to measurement of 3-D noise and other characteristic of thermal imaging cameras. The advanced software package is designed specifically for connecting Optikos's source units and measuring devices to Windows XP compatible systems. With the appropriate hardware it can capture optical images or video signals, both analog and digital, to make a range of important measurements on almost any optical system. I-SITE Software controlled systems may be used for testing thermal imagers, TV cameras, digital cameras, displays, image intensifiers, sights, X-ray equipment, lenses, and fiber optic face plates. These turnkey systems provide a complete platform for measuring MRTD, LSF, MTF, SiTF, Noise Power Spectrum, 3-D Noise and other metrics of camera or system performance.

## **MWIR Interferometer**

Optikos Corporation has developed an IR LUPI (Laser Unequal Path Interferometer) operating at a wavelength of 3.39 micrometers, featuring an internal He-Ne IR laser, as well as an integral collinear visible alignment laser. The IR LUPI is the ideal instrument for testing mid-wave infrared imaging systems of any size or complexity.

Combining state-of-the-art resolution and accuracy, the IR LUPI's 25mm (1 inch) collimated output beam can be used as-is to measure the transmitted wavefront quality of optical materials or the reflected wavefront quality of planar surfaces. Optional objective lenses convert the output to a diverging beam for testing cameras, lenses, and other imaging systems. A unique 3-D positioning system accessory allows the user to readily position the interferometer relative to large stationary optical systems enabling easier testing of optical systems within reconnaissance pods.

## About Optikos Corporation

Optikos Corporation, an ISO 9001 certified company, is the world's largest manufacturer of equipment for the measurement of optical image quality. For over 25 years, Optikos has been a leading provider of optical product development services helping development, design, and industrial product firms bring their visions to reality. Today, Optikos also manufactures sophisticated electro-optical assemblies for a wide variety of clients serving the life sciences to aerospace, government and industrial markets.