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New MW Infrared Cameras deliver high-performance and high-speed infrared imaging
New SSC™ R&D Cameras Cover the Infrared Spectrum

Fairfield, NJ (June 15, 2009) – Electrophysics, a Sofradir Group company, has introduced four new high performance mid-wave infrared (MWIR) cameras designed to meet the demanding requirements of scientists, engineers and laboratory managers that require exceptional infrared performance. The cameras are useful in a wide range of applications including high speed infrared imaging, target signature radiometric data collection, tracking and infrared imaging spectroscopy.

The infrared cameras feature very high performance, high sensitivity (<20mK) and high frame rate (up to 320 fps). Incorporating Sofradir® advanced MCT focal plane array technology, the SSC™ MWIR product line is comprised of four models. The SSC-320M and SSC-320BB feature 3-5 μm and 1-5 μm (respectively) spectral response with 320x256 resolution. The SSC-320 cameras incorporate a 30 μm pixel pitch detector that has very deep wells, ideal for photon-starved applications. For higher resolution applications, there are the SSC-640M and SSC-640BB which incorporate a 15 μm pixel pitch detector which allows more pixels on target (or smaller optics).

“Our new SSC midwave and broadband cameras deliver a new level of performance and quality for use in the most demanding applications,” states Chris Alicandro, Electrophysics Director of Sales. “Our comprehensive and flexible high performance camera line is supported by powerful software applications and a complete range of infrared optics to meet the needs of customers and their diverse applications,” concluded Alicandro.

The SSC camera line incorporates MCT (Mercury Cadmium Telluride) focal plane arrays fabricated by Sofradir, a worldwide leader in high quantum efficiency infrared imaging arrays. A range of custom aperture/filter configurations are available upon request.

Company Background

Headquartered in Fairfield, New Jersey, Electrophysics, also known as Sofradir EC, Inc., is a member of the Sofradir Group of companies since December 2008. The company develops and manufactures advanced thermal imaging, near infrared and night vision systems for use in a host of imaging applications. Since 1969, the company has maintained its focus on delivering products that reflect exceptional engineering capabilities. The Electrophysics group continues to offer a product line of scientific imaging systems, night vision modules and portable infrared inspection cameras.

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