

SPECTROCAM™

multispectral camera

JV



The SpectroCam-LV is a multispectral imaging (MSI) instrument sensitive from UV through near infrared. Our entire line of SpectroCam systems are sophisticated, flexible platforms for development and deployment of various MSI applications. Designed to reduce development times and simplify the design cycle, SpectroCam features a high speed, continuously rotating filter wheel containing 8 interchangeable optical filters; combined with a scientific grade CCD array. This design creates a fully portable, fully configurable, high speed MSI camera. With minimal pixel shift and high frame rates, this dynamic system is a powerful product development tool.

SpectroCam systems are available in a turnkey format complete with lens, 8 interchangeable filters and acquisition software that can be used for innovative 2D spectroscopy research in a variety of fields including water quality measurement, product screening, machine vision, biomedical imaging, surveillance and authentication. The system can also be customized for integration into specific OEM products. The platform is readily modified to meet your mechanical and environmental needs. Contact an Application Engineer today and find out how we can help bring your project to light.

Applications



Forensics



Archeology



Agriculture

Camera Dimensions



SpectroCam is available for R&D teams who need a quick turnkey solution. SpectroCam utilizes a wideband CCD capable of UV enhanced measurements and can be supplied with a standard set of filters, or outfitted with up to 8 different, interchangeable custom filters. The proprietary design allows for quick delivery while providing a system that suits your specific application needs today and for years to come. The SpectroCam offers a cost effective and versatile solution for your current and future MSI projects. Contact our Application Engineers today to discuss your specific needs and requirements.

SpectroCam Customizable Options

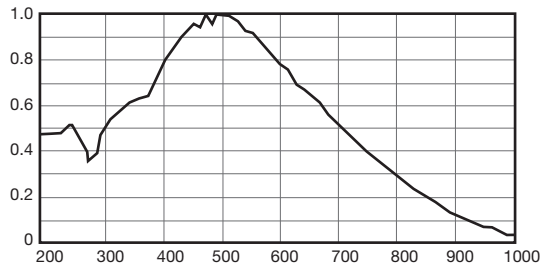
- 8 optical filter positions with interchangeable filters
- Stock filters or custom designs for specified wavebands
- Scientific CCD array or various sensor/camera options
- Standard compact size or customized housing for a variety of mechanical and environmental requirements.
- Acquisition software or customized user interface
- Proof of concept prototypes to high volume manufacturing
- OEM & fully integrated versions available

Standardized Demonstration Units Available



- Wideband CCD, UV enhanced
- 1392 x 1040 resolution, 4.65 micron pixels
- 16 fps at full resolution, continuous operation
- Choice of up to 8 interchangeable wide or narrowband filters
- GIG-E interface, 8-10 bit output
- National Instruments based acquisition software available
- Standard F-Mount for a range of lens choices, focal lengths, FOV's
- Compact size

Spectral Response

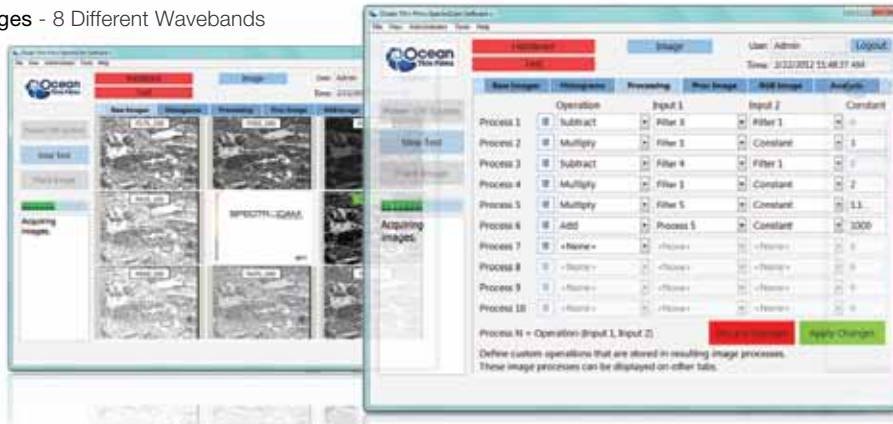


Software Screen

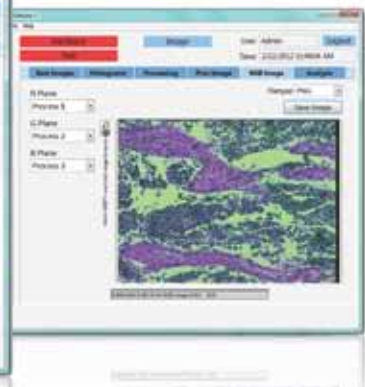


Image Processing Page - 15 Standard Functions

Live Images - 8 Different Wavebands



Processed Images - Viewed Live



See what else the
SPECTROCAM™
multispectral camera
can do for you

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