

VideometerLab 4

VideometerLab 4 is a spectral imaging instrument designed for fast and accurate determination of color, texture, and chemical composition on surfaces up to 90 x 90 mm per image. The instrument is an easy-to-use system integrating illumination, camera, and computer technology with advanced digital image analysis and statistics. The technology is particularly useful for quantitative measurements of chemical and visual properties of samples or surfaces.

Using strobed LED technology VideometerLab 4 combines measurements at up to 20 different wavelengths into a single high-resolution spectral image. Every pixel in the image is a reflectance spectrum and the instrument may include UV, visual, and NIR wavelengths.

Key features and advantages of VideometerLab 4

- · Integrating sphere providing homogeneous and diffuse illumination
- · Spectral imaging and quantitative analysis in 5-10 seconds
- · 19-20 different wavelengths/illuminants
- · Multispectral fluorescence option
- · Autofeeder option for granular products
- · 6 or 9.1 Mpixels per wavelength providing 120-360 million pixels/image
- · Standardized instrument including easy-to-use instrument calibration
- · Superior color determination compared to traditional RGB technology
- · Automatic change of dynamic range, depending on the application
- · Long lifetime of the light sources. Up to 100.000 hours
- · Increased stability due to LED source technology
- · Combined frontlight and backlight using optional backlights
- · Automatic movement of illumination in relation to the sample
- · Powerful exploratory software for R&D
- · Recipe building tool for easy-to-use routine applications



Coating analysis of granular products

Pore structure analysis



www.videometer.com

