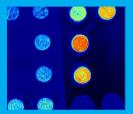
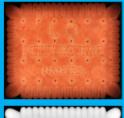


Fusarium detection

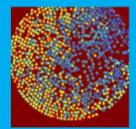


Counterfeit detection

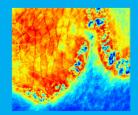


I. () SETTI-BEURINE NANTES

Moisture in biscuits



Coating analysis of granular products.



Skin imaging.



VideometerLab 4 is a complete and unique spectral imaging system.

SPECTRAL IMAGING MADE EASY

VideometerLab 4

VideometerLab 4 is a spectral imaging instrument designed for fast and accurate determi-nation of color, texture, and chemical composition on surfaces up to 90*123 mm per image. The instrument is an easy-to-use system integrating illumination, camera, and computer technology with advanced digital image analysis and statistics. 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.

VideometerLab 4 KEY FEATURES AND ADVANTAGES

- 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.
- 12.3 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.

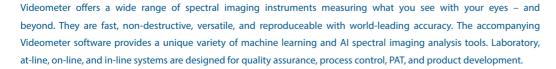
- Automatic change of dynamic range, depending on the application.
- Long lifetime of the light sources.
 Up to 100.000 hours.
- Increased stability due to LED source technology.
- Combined frontlight and backlight using optional backlights.
- Automatic movement of illumination in relation to the sample.
- Powerful exploratory software for R&D.
- Recipe building tool for easy-to-use routine applications.





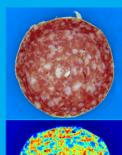


19 high power LED sources with a range from 365 nm to 970 nm. One optional external light source.
3000 * 4096 pixels.
30 μm / pixel.
Optimized according to the application using autolight setup.
Absolute reflectance calibration using 2 reflectance calibration targets and one geometric calibration target.
Simple calibration wizard procedure that takes 3 minutes.
Free height max. 90 mm, field-of-view 90x123mm.
5-10 seconds per sample.
460-560 mm(h) * 430 mm(w) * 600 mm(d)
570 mm(h) * 500 mm(w) * 710 mm(d).
13.2 kg (Net), 25.1 kg (Gross).
110-240 VAC, 50/60 Hz.
Operation: 5-40 °C, Storage: –5-50 °C.
20-90 % RH non-condensing.
Minimum configuration: Intel i7 12th generation or better, 32 GB RAM, USB3 SuperSpeed port.
Microsoft Windows 10/11 Professional 64 bit, full Windows update.
Brightfield backlight. Darkfield frontlight.
Filter changer (for combined reflectance/fluorescence).
VideometerLiq for liquid stability.
Topshade for glossy samples. Autofeeder (for granular products).
Deep UV excitation light source 270-340 nm.
Spectral imaging toolbox (MSI)
Blob toolbox

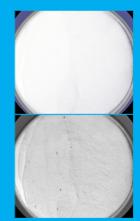




Colony counting.



Salami fermentation.



Powder analysis.



Pore structure analysis.



Textile analysis.

