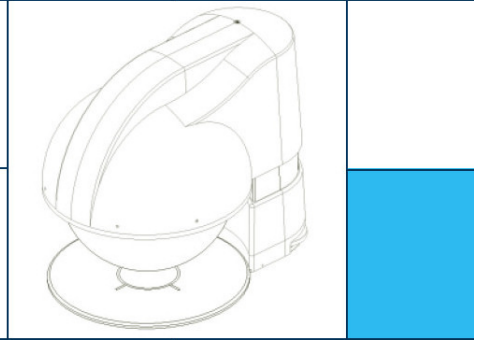
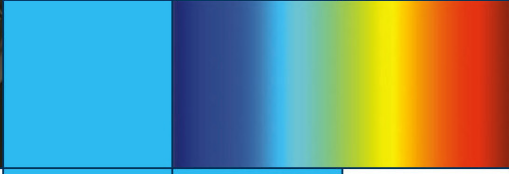
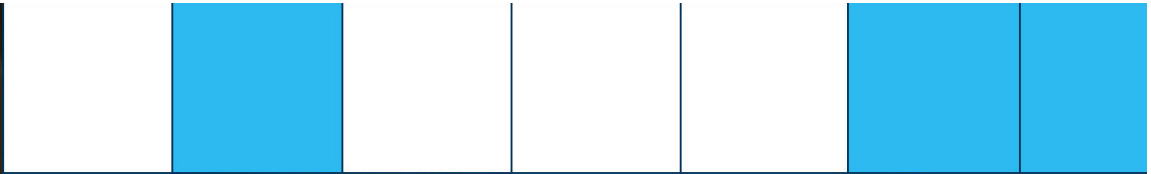


VideometerLab UV may be used for detection of materials reflecting UV light e.g. enzymes.



VideometerLab UV

Technical Specifications

Light sources	High intensity programmable external Xenon-Mercury with filter wheel band pass at the following wavelengths: 254, 280, 300, 313, 334 and 365 nm. Other wavelengths available on requests in the range from 250 to 400nm.
Camera	Standard configuration: 1376 × 1024 pixels UV camera or higher.
Optics	Standard configuration: Special UV lens. May be customized according to the required spatial resolution using other C-mount lenses.
Dynamic range	Optimized according to the application and wavelength used.
Sample size	Diameter of inspection opening 110 mm, field of view 110 mm × 90 mm.
Time of analysis	6 seconds including movement, capture of 6 wavelengths and data processing. May be customized with multiple accumulations of images or long time exposure. This may increase the signal-to-noise ratio at the cost of acquisition time.
Dimensions	Closed: 471 mm (h) × 423 mm (w) × 610 mm (d) Open: 571 mm (h) × 423 mm (w) × 610 mm (d)
Weight	Approx 22 kg
Power supply	90 - 260 VAC, 47 - 63 Hz
Power consumption	300 VA
Ambient temperature	Operation: 5 - 40 °C, Storage: -5 - 50 °C
Ambient humidity	20 - 90 % RH non condensing
PC requirements	Minimum configuration: Intel Pentium 4 3.0 GHz processor with 2 GB RAM, RS-232 serial port, IEEE 1394 a (at full bandwidth)
Software requirements	Windows XP Professional, Service Pack 2, or later. VideometerLab UV software including image acquisition, basic image processing, and image statistics tools.
Hardware options	- Customized wavelengths in the UV range - Darkfield backlight illumination - Brightfield backlight illumination
Software options	- Image processing toolbox - Multispectral imaging toolbox for MATLAB® (MATLAB license required). - Application modules (please refer to application notes) - User-specific software modules

Videometer A/S develops vision systems for automated visual inspection. Both laboratory and in-line systems including dedicated software is developed.



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