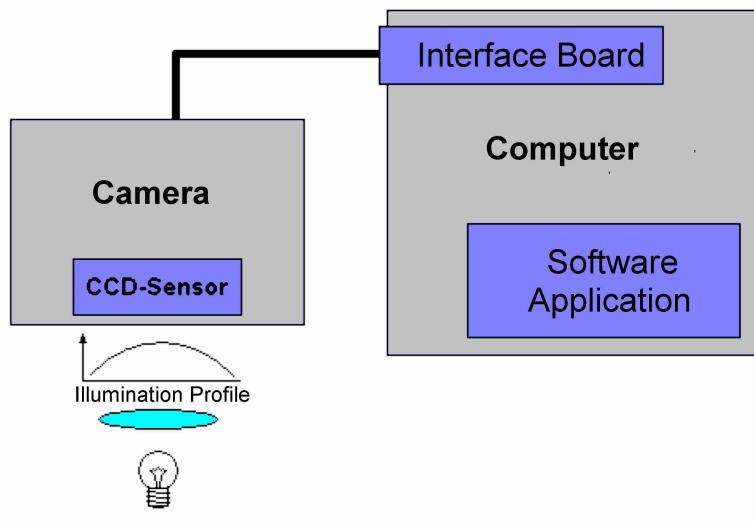


Measuring Station Illumination Uniformity

The Measuring position serves for the registration and measurement of homogeneity (Shading) of technical lights, especially in the field of microscopy.

A standard PC including a special interface-card is the basis for connecting to a large-field digital-camera. The camera sensor is brought into the image or pupil layer which is being examined, eg. connected to the video output of a microscope, and the software installed on the computer takes on the camera controlling and the measurement tasks.



Technical specification of the camera

Visual resolution:	1024 x 1024 Pixel
Pixel size:	24 x 24 μm
Active sensor area:	24.5 x 24.5 mm
Wavelength range:	340 - 980 nm
Digital resolution:	14 Bit
Dynamic range:	>83dB
QE (400nm):	40%
Peak QE (550nm):	72%

Features of the software

Operating system:	MS Windows
Visualisization:	grayscale - freely configurable pseudo color bitmaps freely configurable azimuthal cut-profile interactive 3D-view
Data format:	internal converting and archiving of measurement data and floating point value
Miscellaneous functions:	export-function for subsequent documentation image processing filter fuctions for calibrating the system