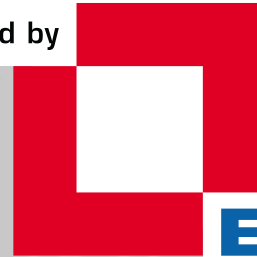
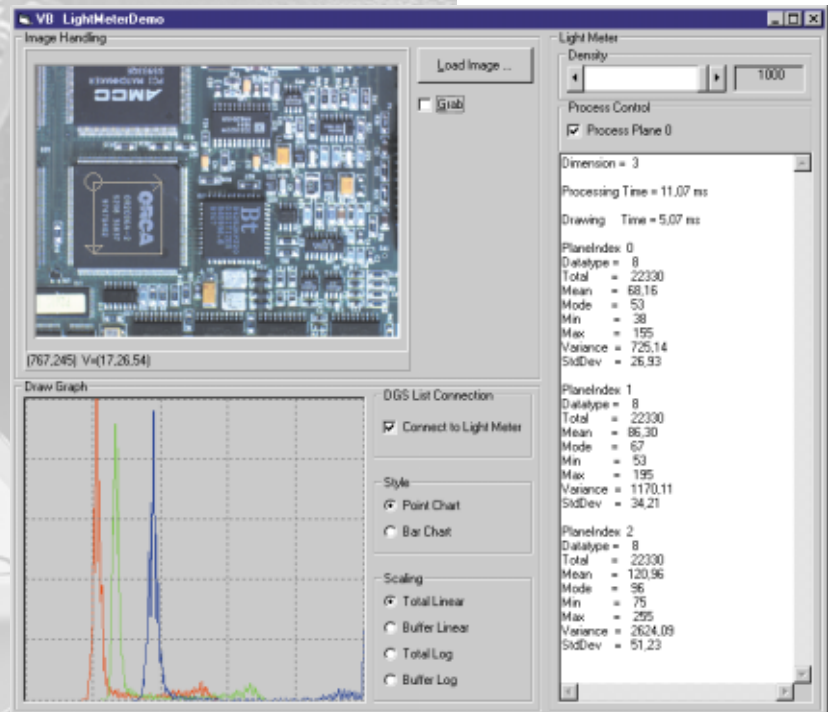


► LightMeter

powered by



COMMON VISION
BLOX



Software tool for
the statistical analysis
of image contents

► LightMeter

The software tool LightMeter provides an easy way of creating histograms and analyzing a wide range of statistical parameters. The software consists of two components: LightMeter and DrawGraph. Both tools can be used as DLLs or OCXs.

► How works LightMeter ?

LightMeter is used to process image data. With thanks to a large number of statistical parameters, users can analyze image contents simply and swiftly. As a result, the tool is ideally suited to tasks such as completeness checks, surface inspections (uniformity, scratches, texture etc.) and other checks. In addition, the tool can be used to monitor camera images for exposure time, illumination levels etc. In combination with Common Vision Blox tools Blob or Edge it can also be used for automatic threshold calculation.

► Statistical data supplied by LightMeter

Alongside histogram data, LightMeter provides information such as:

- Number of pixels in an AOI (Area of Interest)
- Arithmetic mean
- Most frequent pixel value
- Minimum pixel value
- Maximum pixel value
- Variance
- Standard deviation

► Visualization with DrawGraph

The tool DrawGraph permits the graphic preparation and easily handled display of the image data obtained with LightMeter. Unlike many other commercially available presentation tools, the DrawGraph OCX is specially configured for image processing purposes. However, the emphasis is not placed so much on the variety and multiplicity of the possible presentation modes but on the informational content required for industrial applications and the ability to update it quickly. It is possible, for example, to set the following parameters:

- BackColor
- GraphColor
- GraphScaling
- GraphStyle
- GridColor

