

dhs-Basic



With dhs-Basic, we offer an affordable **software solution** to **capture images** for individual workstations and to **measure** them. Additional **dhs tools** can be **added** to dhs Basic as a way of optimising images, comparing them, creating special metallographic analyses, transporting data and generating reports. Usage areas include industry, QA, labs, research and teaching. dhs Basic is completely **independent of specific interfaces** in terms of the available hardware. Operation is self-explanatory, clearly arranged and intuitive. The software can be installed **quickly and easily**.

Image capturing

- dhs Basic manages **all image sources**, including dhs-MicroCam, and image sources with Twain drives installed on computers, REM
- **Large, fast live image** on the monitor
- Comprehensive automated functions and setting options directly in the live image, including white balance, exposure time
- Clearly structured user menu

Image measurement

- Two-dimensional **measurement and labeling** of stored images
- Creation of **overlays**, e.g. for subsequent **insertion into a live camera image**
- **Measuring functions:** Including line, area-, circular, angle and drop perpendicular
- **Help functions:**
Scale bars, zoom, creation and display of rulers, number of objects, insertion of arrows, texts, guides

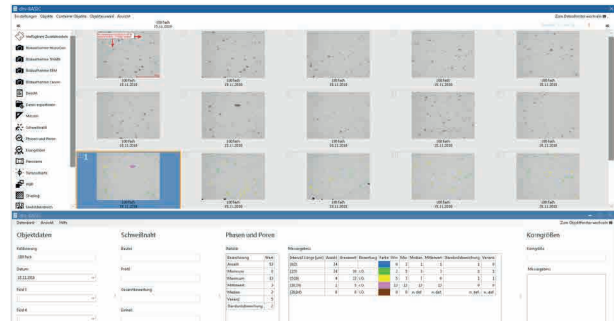


Image management / storage

- Up to **300 images** possible in the image buffer, incl. **five data fields** for subsequent report preparation

Information at a glance

- Software solution to **capture and measure images**
- **Modular, expandable functionality**
– depending on application
- **Intuitive** and clearly structured operation
- **Open selection of image source and optical system**
- Updating capability with the dhs Image Database
- **Comprehensive measurement functions**
- **Automatic functions for image capture**
- **Simple installation**
- **dhs Basic Cam**
(software + camera in a low-priced package)

Expansion with the dhs portfolio:

- Individually combinable with other image-processing modules from the **dhs software portfolio**:
 - Depth of field, panorama
 - Weld seam
 - Metal sections
 - Analysis of pores, phases and grain sizes
 - Import / export of data
 - Report preparation

Operating systems

- Windows 7 and 10 (64 bit)

Available services

- Updating capability on the dhs Image Database for comprehensive data management, archiving for easy data management
- Online support
- Service agreement (support and free updates)

dhs-Basic Cam



As a complement to the basic software package for image capturing and measurement, we offer a special digital microscope camera that optimally enhances dhs-Basic. Potential uses include light and stereo microscopes.

The camera can be adapted as an image source to all optical systems using the standardised C-mount thread.

Technical data camera

- Sensor technology: Colour CMOS
- Sensor size: 1/2"
- Resolution: 2560 x 1920 pixels
- Resolution class: 4.92 Mpix
- Lens mount: C-mount, CS-mount
- Data transfer: USB 3.0

Contents of dhs Basic Cam

Software dhs Basic, camera, connection cable USB 3.0, stage micrometer for calibration.

You will be impressed by the easy handling and excellent quality for your money!

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