Cameras and Microscopes

**dhs-EasyController**

In order to check low-magnification samples quickly (e.g. welds, visual inspections), we offer a **compact, inverse optical system** with an integrated digital camera, an LED ring light and software (optional) for image capture, image measurement and reporting.

**Ergonomics**

The samples from production are placed **directly on the glass pane** and the measurement procedure can begin – with no time-consuming prior application of the sample and focusing.

The surface of the sample is **always at the same distance from the camera**.

All optical components are housed in a compact stainless steel box which can be integrated into the work surface of a workstation for example.

**Optional Components**

- Inverse macroscope with a fixed optical focal length
- Digital camera
- (4.92 Mpix resolution, CMOS, USB 3.0)
- LED ring light

**Optional software:**

- interchangeable objective lenses
- different options of illumination
- eyepieces
- bigger base plates

### Device versions according to object field sizes

<table>
<thead>
<tr>
<th>Art.-Nr.</th>
<th>Object field sizes (mm)</th>
<th>Total optical magnification (Stereomicroscope)</th>
</tr>
</thead>
<tbody>
<tr>
<td>160DHS00004</td>
<td>26,5 x 20,0</td>
<td>Corresponds to 5 x</td>
</tr>
<tr>
<td>160DHS00005</td>
<td>20,0 x 15,0</td>
<td>Corresponds to 6 x</td>
</tr>
<tr>
<td>160DHS00006</td>
<td>9.1 x 6.8</td>
<td>Corresponds to 14 x</td>
</tr>
<tr>
<td>160DHS00007</td>
<td>4.2 x 3.2</td>
<td>Corresponds to 30 x</td>
</tr>
</tbody>
</table>

**Object field sizes (scale 1:1)**

**Information in the overview**

- For quick and accurate low-magnification checking of production samples
- Inverse optical system and software (optional)
- Four device versions with different fixed focal lengths available
Additional technical data

- Power supply and USB 3.0 connecting cable for PCs integrated
- Dimensions: 365 x 100 x 123 (W x H x D mm)
- PC requirements: From WIN 7
- Graphics card: AGP or PCIExpress graphics card (at least 1 GB own memory/processor)
  Recommended: The latest model from AMD or Nvidia
- USB 3.0 ports: 1 x

Software

In conjunction with the integrated optical system, the software ensures perfect image quality in the live image. Target and actual values can be compared and tolerance values determined quickly. All images and data are then compiled in a report.

Efficient – the best possible result in just a few steps!