

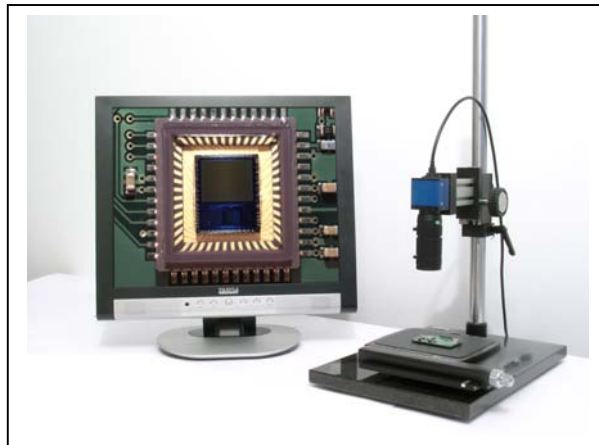
VIDEO-MICROSCOPE

VIDEO-MICROSCOPE ON UK1175 AND MACRO ZOOM LENS ABS ZK-O-0101 BASIS

- a cost-saving alternative -

ABS matrix cameras can be equipped easily with macro zoom and serve as a microscope in this way. Displaying the image on a monitor allows the evaluation by several people.

A recommended high quality lens is the ABS ZK-O-0101, which is optimized for cameras with megapixel sensors like the ABS camera UK1175. This lens yields sharp low-distortion images over the entire field of view. The magnification factor can be adjusted between 0,3 and 1,0. Further magnification is possible using extension tubes. The working distance of 90 mm allows the user to vary illumination and manipulate the object during observation.



Properties:

- Resolution: 125 line pairs per mm
- Magnification:
 - on image sensor: 0.3× to 1.0×
 - on a 19"-monitor: 35× bis 120× - at 1024×768 pixel monitor resolution
→ lossless (without interpolation)
 - further magnification: using extension devices – e.g. up to 500× with
10 mm extension tube
- Field of view/diag.: 26 mm to 8 mm (down to 2 mm with 10 mm extension)
- Optical distance: 90 mm
- Aperture: F4.5 - F22C

Fields of Application:

- Labor and industrial applications
- Documentation
- Assembly and quality assurance
- Education and presentation