



Modus Tec

Digital Optical measurement system

Features:

- Microscope with ultra high optical and digital resolution.
- Replacement of traditional stereo microscope.
- Extremely simple, intuitive to configure and use.
- Comes with ring light as standard
- Including Invenio 6EII 6.3 Mpixel camera
- Optical zoom replaced by digital zoom with out losing resolution.
- Including software: DeltaPix InSight

Specifications

- Camera sensor size 1/2' (Other options available)
- S-track SF (manual): 250mm
- Standard base 320 x 300mm (Optional) DPZ base 325 x 316 mm
- Weight: 4,3kg standard version
Weight: 5,3kg DPZ version
- Minimum working distance: 100mm
- Power: 9 Watt

Typical applications:

- Precision Measurement

Minimum system requirement

- Intel i5 (Quad-Core) or better
- 4 GB RAM
- 15 GB free harddisk
- USB 3.0 port
- Windows Xp, Vista, 7, 8/10, 32 bit and 64 bit
- Full HD monitor

Complete digital optical measurement system

This high quality and affordable digital optical measurement system is designed to enable the user to make very precise measurements on relatively large objects, by use of telecentric optics, high resolution cameras and DeltaPix InSight software. This includes image capture, manual extended depth of focus, documentation and traceable report generation as required by industrial, scientific and biomedical applications.

Options like automatic segmentation and counting, automatic extended focus and autostitching can be added by including additional modules and motorized stages.

The system can be configured with different optics, please see the table below. Other options like other cameras, light sources, additional software modules and eventually motorized stages can be added on request.

Fixed focal length with different objectives	Minimum Field of view range (in telecentric mode)	Minimum working distance	Zoom	Magnification range with 24' monitor and 500mm stand	Minimum Resolvable details (in μ)
Telecentric zoom lens LM50	4.43mm - 8.86mm	100mm	0.5X-1X	137.6X-68.8X	5
Telecentric zoom lens TCZ027	17.86mm - 31.89mm	150mm	0.275-0.55x	46.9X-26.5X	7.8-13.24