

Modus Tec-HDMI

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 HDMI16MDPX 2 Mpixel camera
- Optical zoom replaced by digital zoom with out loosing resolution.
- Including software: DeltaPix InSight

Specifications

- Camera sensor size 1/2.8"
- 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: 25 Watt
Input :100 - 240V
50/60 Hz 0.6A

Typical applications:

- Precision Measurement

Minimum system requirement

- HDMI monitor

Stand alone 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 without the need of a computer.

This system includes full measurement capability, saving of images (including measurement and annotation) and video on 8GByte SD card (included), report generation, full mouse control (wireless mouse as option), zone controlled ring light, 3 Megapixel lens and much more.

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 (in telecentric mode)	Maximum Field of view	Minimum working distance	Zoom	Minimum Resolvable details (in μ)
Telecentric zoom lens LM50	6.16mm	12.32mm	100mm	0.5X-1X	4
Telecentric zoom lens TCZ027	13mm	23mm	150mm	0.275-0.55x	8