

Modus 6Z

Manual Microscope system



Complete high magnification microscope system

This high quality and affordable microscope system provides all functions necessary for precision measurements, image capture, documentation and traceable report generation as required by industrial applications. This microscope system is a unique combination of high quality optics, a high quality track-stand and a DeltaPix scientific USB3 camera, which makes this system unique and indispensable tool for imaging and documentation.

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.

Features:

- Microscope with ultra high optical and digital resolution.
- Replacement of traditional stereo microscope for imaging.
- Extremely simple intuitive to configure and use.
- High quality LED ring light with zone control included.
- Including Invenio 5SCIII 5Mpixel camera
- Optical zoom relaced by digital zoom with out loosing resolution.
- Including software: DeltaPix InSight LE

Specifications

- Camera sensor size 1/2.5' (other options available)
- L-track SF (manual): 500mm
- Standard base 320 x 300mm (Optional) DPZ base 325 x 316 mm
- Weight: 5,3kg standard version Weight: 6,3kg DPZ version
- Minimum working distance: 100mm
- Power: 5 Watt

Typical applications:

- Documentation
- Industrial applications

Minimum system requirement

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

Objective lens	Working Distance	Couplers									
		0.5X		0.75X		1.0X		1.5X		2.0X	
		Mag	FOV	Mag.	FOV	Mag.	FOV	Mag.	FOV	Mag	FOV
0.5X	198	10X-68X	35-5	15X-101X	23.5-4	20X-135X	17.6-3	31X-203X	11.8-2	41X-270X	8.8-1.3
0.75X	131	15X-101X	23.5-3.6	23X-152X	15.7-2.4	31X-202X	12-1.8	46X-304X	7.8-1.2	61X-405X	6-0.9
1.0X	96	20X-135X	17.6-2.7	31X-202X	12-1.8	41X-270X	9-1	61X-405X	6-0.9	82X-540X	4-0.7
1.5X	63	31X-203X	11.8-1.8	46X-304X	7.8-1.2	61X-405X	6-0.9	92X-607X	4-0.6	122X-810X	3-0.4

*Magnification and minimum FOV is calculated on a 22' monitor