

Trinocular Inverted Polarized Metallurgic Microscope

Excellent UIS optical system Suitable for metallography image analysis system



Applications:

IMM-70 Inverted metallurgical microscope is equipped excellent UIS optical system and modularization function design so that update system expediently and achieved polarization, dark field observation.

Compact and steady main frame body is embodiment for the shock resistance. The ideal ergonomic design is adopted in this unit and has easier operation and wider space. This is ideal optical instrument for micro observation in metallurgical structure and surface morphology. It is suitable for research in metallography, mineralogy, precision engineering, etc.

Specifications:

Model	EI-IMM70	
Optical	Magnification	100X, 200X, 500X, 1000X
	Plan Achromatic Objective	10X 20X 50X 100X Dry
	Numerical aperture	0.25 0.4 0.7 0.85
	Working distance	5mm, 8.8mm, 3.68mm, 0.40mm
	W F Eyepiece	WF 10x/20mm
Eyepiece		10×(focusing) 0.1/20mm micrometer 0.01/1mm
Frame	Configuration	Inverted, optical trinocular tube, gemel type, obliquity 45°, pupil 55-75mm dioptré ±5% adjustable
	Revolving objective	5 holes ball bearing circumvolve
	Double layer stage	Stage size:242x200mm
		Moving range 30x30 mm X-Y resolution 0.1mm
	Rotary stage	Loading plate Φ130mm, minimal clear aperture is less then Φ20mm.
Focus system	Coaxial jiggle Up/down movement: 30mm	
	Fine adjustment: 0.002mm Up and down locking & torsion adjustment	
Light System	Bright-field/ Bright & Dark-field illumination	Kohler illumination; Variable aperture & field diaphragm
		Adjustable brightness
		Halogen Lamp: 30W/12V ;
		Filters: Yellow/Green/Blue/N/T
	Polarizing	Polarizing and checking plate
Power supply		AC90-240V/50-60Hz 45W
Dimensions		500(L) x 360(W) x 630(H)mm
Net Weight		Approx. 12kg

DV CCD and View Software



The view is a professional microscope image processing and analysis software, and the digital cameras (CCD) when used with the software can provide the best image processing effects, user interface can carry out the measurement, editing, real-time image transmission operation, this software can also be used as a demonstration of microscopy research and hobby platform.



CCD



SOFTWARE

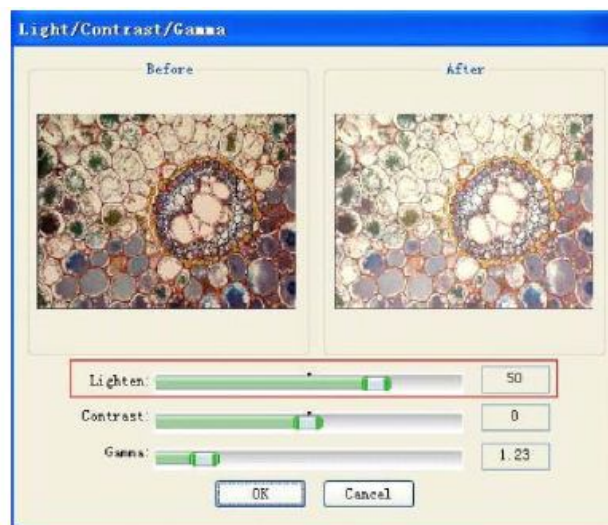
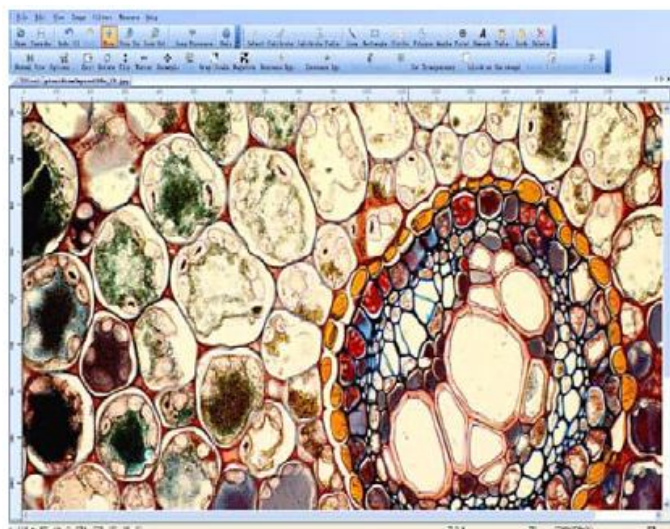
Parameters:

- 1/2.5" CMOS sensor
- 5.0 Mega pixel. Maximum real-time dynamic resolution: 2592x1944
- One key auto or manual white balance
- USB2.0 output
- System requirement: Windows2000 SP4 , Windows XP (SP2 or above) , Windows Vista, Windows 7
- USB cable, drive CD.
- Standard C-mount connection. Work with all brands microscope with C-mount adapter.

Main Function:

- view image and analysis
- Measure, such measure point, line, circle, area, angle and rectangle
- Take picture, save picture, edit picture
- Printer result

Software Interface:



The software can measure some element. Main measure function have, measure point, line, circle, area, angle and rectangle

ECO INSTRUMENT (NS0081046-M)

