

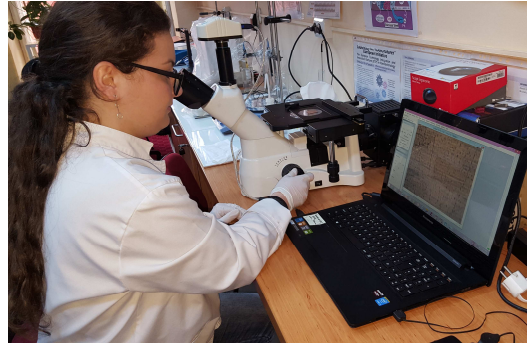
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Optika Industry XDS-3 MET Microscope trinoculaire Inverted Metallurgical Microscope



Technical Specifications:

- Model: XDS-3MET
- Head: Trinocular, 45° inclined
- Eyepiece: WF10X/22mm.
- Nosepiece: 5-positions.
- Objectives: LWD PLAN IOS MET (no cover slide) IOS 5x/0.14, 10x/0.25, 20x/0.4, 50x/0.7.
- Magnifications: 50x, 100x, 200x, 500x.
- Focusing system: Coaxial coarse and fine system, with limit stop
- Stage: 250x230mm; mechanical stage with lowered ergonomic coaxial controls.
- X-Y range: 114x81mm.
- Diaphragms: field and aperture diaphragms (centrable).
- Illumination: 12V/50W halogen bulb in external case.
- Centrable bulb and brightness control.
- Filters: Blue polarizer & analyzer.

Digital camera:

- Model: Optikam Pro 3
- Resolution: 2048 x 1536 (3.2 Mpixel)
- Sensor: CMOS 1/2"
- Pixel Size: 3,2 μm x 3,2 μm
- Image Area: 6,55 mm x 4,92 mm
- Frame Rate at Full Resolution: 12 frames/sec; Frame Rate at Half Resolution: 14 frames/sec
- Optical Format: 1/2"
- Aspect Ratio: 4:3
- S/N Ratio: 43 dB max
- ADC: 10 bit
- Data Output (Uncompressed Video): 3x8 bit
- Sensitivity: 1.0 V/Lux-second
- Software: OPTIKA Vision Pro Plus, TWAIN interface, SDK
- Capture Features: Continuous auto white balance, continuous auto exposure, averaging, subsampling (decimation)
- Max exposure: 1 sec; Max extended exposure: 26 sec