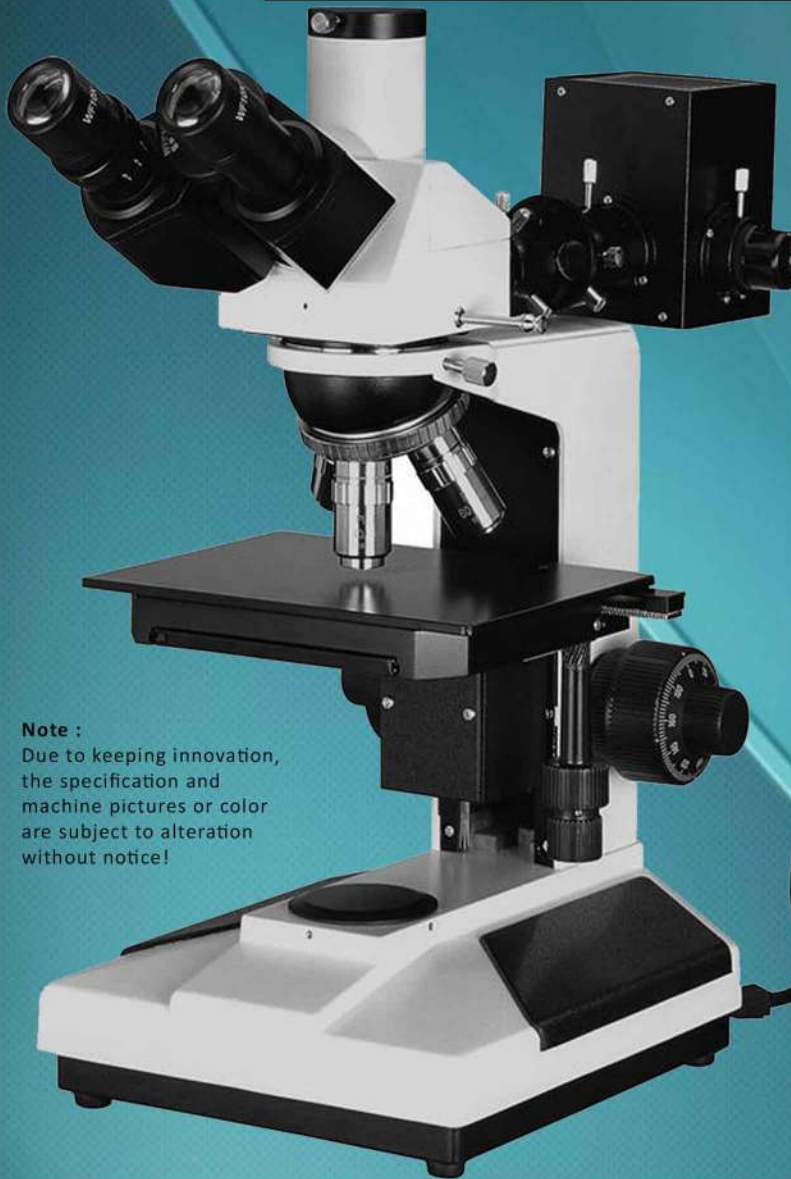




Note :
Due to keeping innovation,
the specification and
machine pictures or color
are subject to alteration
without notice!

Product Description :

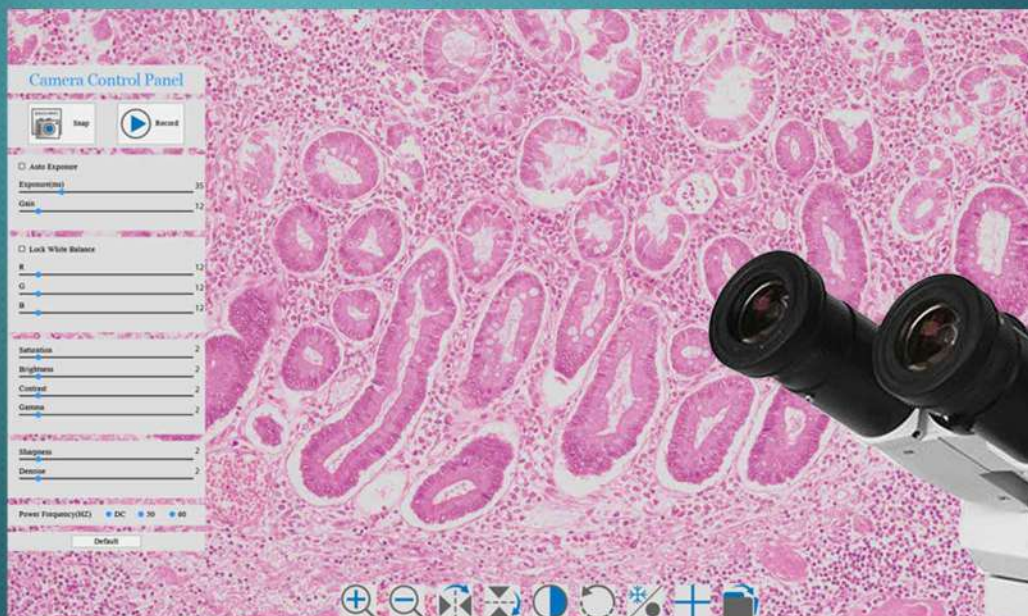
MTL.02.2003B has a standard magnification range of PL5x/0.12 ~ PL 50x/0.70. It comes with wide field eyepieces, long working distance Plan achromatic objectives, double layer mechanical stage, coaxial coarse and fine focusing system, analyzer and polarizer, and halogen lamp reflected illumination. This microscope is an ideal microscope for the research of metallography, mineralogy, integrated circuits, semiconductor chips, micro-electronics, and electronics research.

Application :

- Scientific research, education (teaching, demonstration and academic exchanges)
- Digital laboratory, medical research
- Industrial visual (PCB examination, IC quality control)
- Medical treatment (pathological observation)
- Food (microbial colony observation and counting)
- Aerospace, military (high sophisticated weapons)

Features :

- Long working distance plan achromatic objectives
- Equipped with analyzer and polarizer
- All in one (HDMI+USB+SD card) C-mount camera with SONY/CANON high sensitivity CMOS sensor
- Built-in image capture & video record to SD card
- Simultaneous HDMI & USB output



Technical Specification

Eyepiece	Super Wide Field 10X (Φ18mm)	
	Dividing 10X(Φ18mm) 0.1mm/Div (Order No. 1121010) (*Opt.)	
	16X(FN11mm – Order No. 1051016) (*Opt.)	
Objective Range	Plan long working distance (no cover glass) PL5x/0.12 (Equivalent Plan EPI 5x)	
	Plan long working distance (no cover glass) PLL10x/0.25 (Equivalent Plan EPI 10x)	
	Plan long working distance (no cover glass) PLL20x/0.40 (Equivalent Plan EPI 20x)	
	Plan long working distance (no cover glass) PL 50x/0.70 (Equivalent Plan EPI 50x)	
	Plan achromatic objectives with long working distance (no cover glass) PL L 80X/0.80 (Order No. 2250180) (*Opt.)	
	Plan achromatic objectives with long working distance (no cover glass) PL L 100X/0.85 (Spring) (Order No. 2250111) (*Opt.)	
	Plan achromatic objectives (no cover glass) PL 100X/1.25 (Spring,oil) (Order No. 2240111) (*Opt.)	
Digital Camera System	Sensor model	Sony IMX236 (Color)
		CANON EOS Digital Adapter (Order No. 820001) (*Opt.)
	Exposure	0.4ms ~ 999ms
	Live resolution	1920 x 1080 pixel @30fps
	Resolution	1600 x 1200 pixel
	Output interface	USB Camera or USB Mouse
		HDMI Output
		DC 12V power in
		High speed SD card slot (8G)
		LED power on indicator
		Power on/off switch
	Software	Support Microsoft® Windows® XP or later (32 & 64 bit)
		Support OSx (Mac OS X) / Linux
		Capture full parameter control
Viewing Head	Siedentopl type trinocular viewing head	
	inclination of 30°	
	analyzer with field diaphragm to switch	
Vertical illumination	6V - 20W halogen lamp with brightness control	
	Vertical illumination with field diaphragm, aperture diaphragm and polarizer, (YBG) filter and frosted filter	
Focus System	Coaxial coarse/fine focus system with tensional adjustable and up stop,	
	Travel range 23mm	
	Rotation of fine focus is 0.2mm per revolution.	
	Min. division of fine focusing: 2μm	
Nosepiece	Quadruple / Quintuple back ball bearing inner locating	
Stage	Double layer mechanical	
	Size: 185x140mm	
	Moving range: 75x40mm	
CCD	0.5X CCD adapter	

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!