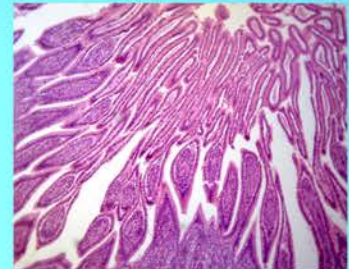




LABOMED, INC.

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LB-1500 Digital LCD Polarizing Microscope with 12.0MP Camera

- Adopts a polarizing light to observe and research objects which have double refraction features.
- The 12.0MP high resolution camera has real time imaging display and video recording function.
- With a high definition 9" LCD screen.
- 12VDC power supply safety and reliability of low voltage (Input Voltage 90-240V).
- HDMI interface for connecting to other LCD monitor or projector via HDMI cable.
- 4G SD Card for image, video storage and printing.



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Introduction

LB-1500 Digital LCD Polarizing Microscopes with Infinity Optical System (12.0MP) adopts a polarizing light to observe and research objects which have double refraction features, users can make single polarizing observation, orthogonal observation, conoscope observation. Eyepieces and an LCD screen can both be used for easy and comfortable viewing for yourself and to share with others.

This patented microscope makes the observation more comfortable and thoroughly resolves the fatigue caused by using a traditional microscope at work for a long time. It not only features high resolution of LCD display to generate genuine photo and video, but also features for quick and easy snapshots or short videos. This product integrates magnification, digital enlarge, imaging display, photo and video capture & storage on the SD card. It also can be connected to other LCD monitor or projector via HDMI interface.

Applications

LB-1500 Digital LCD Polarizing Microscopes with Infinity Optical System (12.0MP) is mainly used to observe the crystal of liquid macromolecule polymer, biomedical polymer and liquid crystal. It is widely applied in mineralogy, biology, chemistry, botany, plant pathology, zoology and other fields. It is the ideal instrument for scientific research and universities teaching and study.

Technical Specifications

Digital Parts	Resolution	12.0 Mega Pixel
	Image Resolution	12.0MP
	Video Resolution	1920×1080/30fps
	Sensor Size	1/2.5 Inches
	LCD Screen	9 Inches HD LCD Screen, Resolution is 1280×800
	Data Output	USB2.0, HDMI
	Storage	SD Card(4G)
	Exposure Mode	Auto Exposure
	Date Mode	Year, Month, Day, Hour, Minute





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Optical Parts	Viewing Head	Siedentopf Binocular Head Inclined 30°
	Eyepiece	Wide Field Plan Eyepieces WF10×/18mm
	Strain-free Infinite Long W.D Plan Achromatic Objective (No Cover Glass)	PL L5×/0.12, Work Distance: 26.1 mm
		PL L10×/0.25, Work Distance: 20.2 mm
		PL L40×/0.60(Spring), Work Distance: 3.98 mm
		PL L60×/0.70(Spring), Work Distance: 3.18 mm
	Polarizing Unit	Polarizing Unit Can Be Move Out or Into Optical Path
		Polarizer Can Be Rotated 360°
		Analyzer Can Be Rotatable 360° with Scale and Minimum Vernier
	Nosepiece	Integrated Field and Aperture Diaphragm.
	Nosepiece	Quadruple (The Center of Objective is Adjustable)
	Intermediate Attachment	Puller Type Bertrand Lens and Center Adjustable.
Compensator	λ , $\lambda/4$ and Quarts Wedge Compensator.	
Illumination	6V30W Halogen, Brightness Adjustable.	
	Wide Voltage Range Power Supply (85-265V 50/60Hz)	
Focusing System	Coaxial Coarse/Fine Focus with Tension Adjustable and up Stop Device, Minimum Division of Fine Focusing: 2 μ m.	
Optional Parts	Strain-free Infinite Long W.D Plan Achromatic Objective (No Cover Glass)	PL L 20×/0.40, Work Distance: 8.80mm
		PL L50×/0.70(Spring), Work Distance: 3.68 mm
		PL L80×/0.80(Spring), Work Distance: 1.25 mm
		PL L100×/0.85(Spring), Work Distance: 0.4 mm
	Nosepiece	Quintuple(Backward Ball Bearing Inner Locating)
Slide Moving Holder	Moving Range: 30mmX25mm	

Sample Images

