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## LB-595 Reflected Polarizing Trinocular Microscope with Infinite Optical System with LC-2 USB2.0 CMOS Microscope Color Digital Camera (3.2MP)

### Introduction

**LB-595 Reflected Polarizing Trinocular Microscope with Infinite Optical System (Infinity Color Corrected System) and LC-2 USB2.0 CMOS Microscope Color Digital Camera (3.2MP)** and is specifically designed for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production. They can be used to analyze and identify various minerals and specimens, they can also be used to inspect chemical fiber, semiconductor products and medicines. Users can do single-polarized observation, orthogonal polarization observation, conoscopic observation and photography with the microscope. Gypsum  $\lambda$  plate, mica  $\lambda/4$  plate, quartz wedge plate and moving stage, wrenches come with the microscope. This microscope is a set of powerful and good quality polarizing microscope.

### Applications

**LB-595 Reflected Polarizing Trinocular Microscope with Infinite Optical System (Infinity Color Corrected System) and LC-2 USB2.0 CMOS Microscope Color Digital Camera (3.2MP)** can be used for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production.

### Technical Specifications

Optical System:	Infinite Optical System
Viewing Head:	Seidentopf trinocular head, Inclined at 30°, Interpupillary 48-75mm
Eyepiece:	Plan Eyepiece EW10 $\times$ /22 Plan eyepiece with scale of crosshair, Plan eyepiece with crosshair, Plan eyepiece with gridding
Strain-Free Plan Achromatic Objective:	5 $\times$ /0.12/ $\infty$ /-, WD 15.5mm 10 $\times$ /0.25/ $\infty$ /-, WD 10.0mm 20 $\times$ /0.4/ $\infty$ /0, WD 5.8mm 50 $\times$ /0.75/ $\infty$ /0, WD 0.32mm 100 $\times$ /0.8/ $\infty$ /0, WD 2mm
Nosepiece:	Backward Quintuple nosepiece, Center Adjustable
Analyzer:	0°-360° rotatable analyzer with gradation, minimum gradation: 0.1°
Conoscopic Observation:	Switch between orthoscopic and conoscopic observation, Bertrand lens position adjustable
Optical Compensator:	$\lambda$ Slip (first class red), 1/4 $\lambda$ Slip, Quartz wedge
Polarizing Rotatable Stage:	Diameter $\Phi$ 170mm, center adjustable, 360° scale, minimum division 1°, minimum reading vernier scale 6', 45° click stop knob
Condenser:	Strain free swing out condenser NA0.9/0.25
Focusing:	Coaxial coarse & fine adjustment, range 32mm, fine division 0.001mm, coarse stroke 37.7mm per rotation, Fine stroke 0.1mm per rotation
Polarizer:	Reflected: Fixed
Illumination:	Reflected light: 24V/100W Halogen lamp, brightness adjustable
Filter:	Blue filter $\Phi$ 45mm

