

Binocular Compound Microscope with Mechanical Stage

This microscope features coaxial coarse and fine focusing mechanisms with triangular steel rails. It offers a coarse tuning range of 22mm with a precision of 0.002mm.



Overview

Professional Binocular Compound Microscope

This high-performance binocular compound microscope is designed for laboratory and educational applications, offering a versatile magnification range of 40X to 1600X. It features a precision mechanical stage for accurate sample positioning and a high-quality optical system with flat-field achromatic objectives. Equipped with advanced LED cold light illumination and a digital-ready binocular head, this instrument ensures clear, consistent imaging for professional analysis and reporting.

Optical System

Magnification Range

40 X

Min Magnification

1600 X

Max Magnification

Eyepiece Specifications

- WF10X / 20mm (diopter adjustable)
- WF16X / 15mm (diopter adjustable)

Objective Lenses

4X, 10X, 40X (spring), 100X (spring oil)

Head Configuration

Binocular, 30° tilted, 360° rotation

Digital Imaging

Output Interface

USB 2.0

Sensor Type

1/2" CMOS, progressive scan

Image Resolution

3,000,000 pixels

Mechanical Stage

Stage Type

Double mechanical mobile platform with chip clip

Movement Range

142mm

Focusing Mechanism

Focusing System

Coaxial coarse and fine adjustment

Fine Focus Precision

0.002 mm

illumination

Light Source	3W LED cold light source
Condenser	Abbe condenser, N.A = 1.25, iris diaphragm

Power

Input Voltage	AC 100V-250V
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