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Product Name :

Monocular Digital Microscope, 400x

Product Code :

SLE/M/110



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Description :

Monocular Digital Microscope, 400x (Product Code: SLE/M/110) is a compound microscope with a built-in 5 MP camera, used to view, capture and project specimen images through a USB-connected computer in school, college and teacher-training labs. The CMOS sensor records2560 x 1920 pixels, image software is supplied, and the 1 W LED runs from an internal 100–240V power supply. This monocular microscope for digital classrooms in India and abroad is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Head	Monocular, 45° inclined, 360° rotatable
Eyepiece	Secured DIN WF 10x/18 mm with pointer
Camera	Built-in 5 MP CMOS, USB-2 interface, 2560 x 1920 pixels
Software	Image software supplied
Nosepiece	Forwarded quadruple revolving nosepiece on ball bearings
Objectives	Achromatic 4x, 10x, S40x
Condenser	Height-adjustable Abbe, N.A. 1.25, with iris diaphragm and filter holder
Focusing	Coaxial coarse and fine, 200 graduations; precision 12.5 µm; 2.5 mm per rotation; total travel approx. 15 mm; friction adjustment
Stage	Plain 123 x 119 mm stage with 2 object clamps
Illumination	1 W LED with internal power supply, 100–240 V
Optics	Anti-fungus treated and anti-reflection coated
Supplied with	Power cord and dust cover, in a styrofoam case
Product code	SLE/M/110
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the USB Digital Monocular Microscope Used For?

Connect the USB-2 cable to a classroom computer and the live image from the 5 MP camera can be shown on a projector or interactive board, so a whole class watches the teacher find and focus a specimen. Students can then save still images of cells, tissues or micro-organisms for practical files, labelled diagrams and assessments.

The height-adjustable Abbe condenser (N.A. 1.25) with iris diaphragm lets users tune contrast on screen as well as through the eyepiece, and friction adjustment on the coarse focus helps the image stay put while pictures are taken. The forwarded quadruple nosepiece holds the three listed objectives with one free position. Because power comes from the mains through an internal suppl

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