Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Advanced Digital Microscope

Product Code :

SLE/M/59



Description :

Advanced Digital Microscope (Product Code: SLE/M/59) is a trinocular compound microscope with 3-megapixel digital imaging, used to view, capture and share magnified images of specimens in college, school and research laboratories. Teachers choose it when a whole group needs to see what one user sees: semi-plan objectives from 4x to 100xR (oil immersion) are lit by a 3 W LED with variable intensity. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as part of its compound microscope range for buyers in India and abroad.

Specifications

Parameter	Detail
Microscope type	Digital compound microscope
Head type	Trinocular (the feature list also describes a binocular head — confirm the configuration with us)
Eyepieces	2 x 10x widefield, 18 mm, with dioptric compensation
Objectives	Semi-plan 4x, 10x, 40xR and 100xR (oil immersion)
Focus	Advanced coaxial coarse and fine focus control
Illumination	3 W LED with variable-intensity control
Stage	Built-in mechanical stage
Digital resolution	3 megapixels
Computer requirements (as listed)	USB 3.0; 2 GB RAM; 1 GB free hard-disk space; 256 MB video card memory
Size	16 in H x 7 1/4 in W x 9 in D
Product code	SLE/M/59
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Advanced Digital Microscope Used For?

A digital compound microscope turns a single slide into a shared lesson. In college and senior-school biology it is used to display onion peel cells, stained blood smears, plant stem sections and pond-water organisms on a computer screen, so the teacher can point out structures while students compare the image with their own preparations. Captured images can go straight into practical records and project reports, which makes it useful school biology lab equipment in India for demonstration benches and research corners alike.

Start every specimen on the 4x objective, find it with the coarse control and sharpen it with the fine control before moving up to 10x and 40xR. The 100xR objective needs a drop of immersion oil between lens and cover glass; wipe the oil off with lens tissue after each session. Before instal
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