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Product Name :

Digital Zoom Microscope

Product Code :

SLE/M/114



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Description :

Digital Zoom Microscope (Product Code: SLE/M/114) is a screen-based microscope used to view, capture and share magnified images of specimens without eyepieces in classrooms and laboratories. It combines a single optical zoom objective covering 1 to 5 times magnification, an integrated 2 MP CMOS camera and a built-on 9 inch LCD screen on a rack and pinion stand. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Type	Digital zoom microscope with built-on screen
Optics	Single optical zoom objective, 1 to 5 times magnification
Camera	Integrated 2 MP CMOS camera
Screen	Built-on 9 inch LCD
Image capture	Capture button saves .jpg images to an SD storage card (USB port for the SD card)
Software	Integrated, mouse-driven
Stand	Rack and pinion
Incident illumination	Integrated 21 LED ring light
Transmitted illumination	Integrated 7 LED
Light control	Incident and transmitted intensities adjustable separately
Working distance	91 mm
Power	External mains adapter
Product code	SLE/M/114
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Digital Zoom Microscope Used For?

Because the image appears on a 9 inch screen instead of in eyepieces, a small group can look at one specimen together, which suits junior classes, group practicals, science exhibitions and simple inspection tasks. Typical subjects include coins, leaves, insects, seeds, fabric weaves, circuit boards and rock samples. As smart lab equipment for schools, it also lets students save .jpg images for practical files and project reports.

Light opaque objects with the 21 LED ring light and thin or translucent samples with the 7 LED transmitted light, adjusting each until the detail shows clearly. Start at the low end of the zoom to find the area of interest, then zoom in and refocus with the rack and pinion; the 91 mm working distance leaves room for bulky objects. Press the capture button to store the picture on the SD card.

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