



**Product Code . JL-M-8129**

## **LCD Touch Pad Digital Wide Field Stereo Zoom Trinocular Microscope**

### **Description**

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LCD Touch Pad Digital Wide Field Stereo Zoom Trinocular Microscope

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The stereo microscope offers ergonomic features such as synchronized bi-lateral inter-pupillary distance adjustments.

The fully coated optical system which provides sharp and clear imaging with extreme flatness and contrast.

Designed to be outfitted with a variety of lens accessories to increase or reduce magnification.

It provides the best reproduction and true color imaging.

With a large zoom range and long-working distance.

Ideal for high-magnification, high-resolution observation in biological research, semi-conductor and other precision-oriented industries.

The trinocular model with a digital camera is excellent for photomicroscopy or use with an LCD screen.

With up to 5-point multi-touch screen control is at your fingertips.

With an 8", 1024 x 768 high-resolution screen, JLab has great color fidelity and offers smooth images.

The JLab uses the same quality LCD screen as the ones found on the Apple iPad.

Latest LCD technologies significantly improve screen brightness coupled with IPS technology to reduce light reflection, you can get the same sharp and clear view from any angle.

Integrated with a 2MP camera, the JLab allows for high-speed image acquisition.

It improves image dynamic range and detail quality.

Instead of the observing through microscope eyepieces, the JLab allows you to target search and focus on the screen.

Furthermore, JLab utilizes specially designed image processing chips for built-in cameras.

JLab takes care of all parameters such as white balance, exposure time, etc. automatically.

JLab has built-in software and operating systems, the live image is available as soon as you start the camera.

You can save the picture to your system memory or your external storage devices such as mini SD Cards or USB devices.

Specification:-

Magnification	Total magnification: 6.7X~45X The magnification range can be enlarged to 3.4X~180X
Viewing Head	Trinocular head (50%/50% light splitting ratio), 45° inclined and 360° rotatable Interpupillary distance adjustable from 54mm-76mm
Eyepiece	Two diopter adjustment of +/-5 on both eyepieces 10X wide-field high eyepoint Paired 10X/22mm (Optional eyepieces WF15X/16mm, WF20X/12mm, Various reticles available) The eyepieces can be locked on with setscrews to prevent students from removing them
Zooming Body	Standard objective zooming magnification range: 0.67x ~ 4.5x, Zoom ratio: 1:6.7, parfocal Auxiliary objectives: 0.5X/177mm(working distance), 1.5X/47mm, 2X/26mm available Objective lens protective glass available (not included)
Working Distance	Standard working distance of 105mm, working distance range can be enlarged to 260mm
Focusing Arm	Two focusing knobs with tension adjustment, 100mm focus distance range Heavy duty rack and pinion focusing
Stage	Includes one 95mm glass stage plate and one 95mm reversible black/white stage plate Locked-on stage clips 2D Travelling stage available (not included)

Illumination	Top light: diagonally adjustable top incident LED light. Brightness can be continuously adjusted
	Bottom light: transmitted LED light. Brightness can be continuously adjusted independently
	Built in illumination system allows three ways of illumination: transmitted, incident, or combined
	Main On/off power switch. Besides, top and bottom lights can be switched on/off respectively
Imaging	Trinocular head available 50/50 light splitting ratio, with special interface, be able to connect microscope camera
	0.5 focus adjustable C-mount (not included)
Camera Main Features	8" Color LCD & Touch Screen 360° horizontal rotatable / 90° vertical rotatable
	Free life-time software upgrade
	2MP high resolution, 1024 x 786 display
	Blue-tooth & Wi-Fi
	CPU Dual-core 1.41GHz
	Operating System Android 4.1.1
	Memory: 1G (DDR3)
	Storage: Internal 4 GB or External Mini SD Card
	Windows, Mac, Linux compatible
	Output Ports: 1x HDMI port; 1x USB 2.0; 1x Mini USB 2.0
	Power Supply: Input: AC110v-220v; Output: DC 5v
	0.35x Relay lens, external power adapters, HDMI cable