



Product Code . JL-M-8079

Trinocular Digital Microscope with LCD Touch Pad 5W LED Kohler Illumination

Description

Trinocular Digital Microscope with LCD TouchPad 5W LED Kohler Illumination

Description:-

A new generation of microscopes features Walter plan achromatic optics.

Equipped with 5w LED lamp, field diaphragm, Abbe condensers and other optical components.

The Compact body is designed for flexibility which can perform various applications such as brightfield, darkfield, and polarization.

The standard Kohler illumination system provides uniformly bright and free-from-glare specimen illumination, which optimizes a high image quality with brighter and sharper resolutions for photomicrography.

The trinocular microscope can be equipped with digital camera and LCD screen for photo and video documentation and image analysis.

With 8", 1024 x 768 high-resolution screen, LCD 8.0 has great color fidelity and offers smooth images.

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

With up to 5-point multi-touch screen LCD 8.0 control is just at your fingertips.

LCD 8.0 uses the same quality LCD screen as Apple iPad.

Integrated with the 2MP camera, LCD 8.0 allows high-speed image acquisition.

Instead of the observing through microscope eyepieces, with LCD 8.0 you can do the target searching, focusing on the screen easily.

It improves image dynamic range and detail quality.

Furthermore, LCD 8.0 utilize the specially designed image processing chip for the built-in cameras.

LCD 8.0 has built-in software and operation system, just starting the camera, the live image presents in front of you immediately.

You can save the picture on your system memory or to your external storage devices like mini SD Card or USB devices.

Don't worry parameter adjustment, LCD 8.0 takes care of all the parameters like white balance, exposure time etc automatically.

Specification:-

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|------------------------|--|
| Viewing Head | JLab trinocular head which will not change the length in the eyepiece tubes when interpupillary distance is 30° inclined and 360° rotatable, fully up or down swiveled eyepiece tubes to adjust the viewing height |
| | Interpupillary adjustment of 48mm-75mm |
| Eyepiece | Wide field (WF)10x/22mm |
| | High eyepoint, with eyeguard |
| | Both eyepieces are diopter adjustable, which allows the image and reticule to be brought into focus |
| | Optional reticule eyepiece for measurement purposes; choice of 0.1mm/1cm grid, 0.1mm/1cm crosshairs |
| Nosepiece | Revolving reversed quadruple objective nosepiece accepts four objectives which are color-coded, parfocal |
| | The nosepiece runs on ball bearings and has internal click stops so that the image remains centered |
| Objectives | Plan Achromatic DIN 4X/0.10 160/0.17 |
| | Plan Achromatic DIN 10X/0.25 160/0.17 |
| | Plan Achromatic DIN 40XR/0.65 160/0.17 |
| | Plan Achromatic DIN 100XR/1.25 oil 160/0.17 |
| | 40XR and 100XR objectives are retractable which have resilient mounts for specimen protection |
| Focusing System | Low position coaxial coarse and fine focus knobs |

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| | 37.7mm per coarse rotation |
| | 0.1mm per fine rotation, fine focus graduation of 1um |
| | Focusing range 16mm |
| | Tension adjustment eliminates focus drift |
| Stage | 216mmx150mm built-in double layer mechanical stage |
| | Smooth X/Y calibrated movement with cross travel range 7.5cm x 5.5cm |
| | Non-extending rack |
| | Graphite surface, rounded edges |
| Illumination | Built-in Kohler illumination with field diaphragm, provides uniformly bright and free-from-glare specimen illumination |
| | N.A. 1.25 Abbe condensers which height is controlled by a rack and pinion gear system that allows for proper illumination of the specimen |
| | Adjustable aperture iris diaphragm incorporated into the condenser, which is important in securing a large field; a graduated scale indicates the approximate adjustment (size) of the aperture diaphragm. |
| | 5w LED for optimum illumination and contrast |
| | With light intensity control |
| Imaging | Trinocular phototube (50% vis, 50% doc) with 10MP digital eyepiece camera and 8" LCD camera available for video of the specimen on a computer or screen. |
| | 0.5x C-Mount (included) |
| Other characters | Ergonomically designed metal frame for stability and durability |
| | Carrying handle integrated in the back of the stand for easy carrying |
| | Arm and base made of one piece construction |
| | Antifungal treatment prevents fungal growth |
| | Cord holder for convenient storage |
| Optional Accessory | Dark field kit |
| | Polarization kit |
| Available (not included) | 1x C-mount |
| 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 |

