



Email : sales@laboratoryinstrumentindia.com

Product Name :
Microscope, trinocular/camera, LED

Product Code :
LBNY-0001-21600011



Description :

Microscopic examination of clinical specimens in hematology, microbiology, cytology, and pathology laboratories in referral or teaching hospitals.

Technical Specification :

Microscope frame with 360 degrees revolving 25-degree inclined binocular tube
Mechanical rackless stage: approx. 200 x 150 mm; travel range: 75 x 40 mm
Double slide holder
Coarse and fine focusing
Rack and pinion steel gears
Range of magnification 40 to 1000x
5-position nosepiece
Third ocular allows for integration of camera via C-mount, with 0.5x reduction
Objectives, full plan-achromatic 4x (0.10 NA), 10x (0.25 NA), 40x (0.65 NA), 100x (1.25 NA, oil)
Observation by Bright field and with blue filter
Brightness control 0 to 100 % (linear)
Camera with software: Digital still image and video capturing, processing and storage/retrieve software
Sensor 1/ 2.5 -inch CMOS
Condenser: Abbe with iris diaphragm aperture, 1.25 NA
Eyepieces: Focusable Wide Field Eyepiece PL 10x/23 Br. Foc with inter-pupillary distance and dioptic adjustment
Retractable eye guards
Illumination: Transmitted-light illumination with white LED 10W, LED service lifetime is 30000 hrs

Light sensitivity down to 3 lux

Exposure time, automatic / manual 1s to 0.06 ms

Image 5.0MP

Real time features: Captures real time still and video, pointer arrow, reticule overlay, zoom and pan, freeze function, positive negative image, stores and retrieves still and streaming video

Video imaging up to 20 frames per second

Controls: Automatic and manual white balance, RGB, camera sensitivity / gain

Provided with USB 2.0 power and data connection to external computer

Plug-and-play Windows XP compatibility

Formats supported: Mpeg, avi, jpg, jpeg, bmp and tiff, plus interfaces 1x SD card slot; 1x mini USB 2.0, 1x RJ 45 (LAN); 1x HDMI (DVI-D)

Power requirements 220V / 50Hz, with voltage surge protection.

Post processing features: Adjust brightness, contrast and color, onscreen annotation of date/time, distance 2 circles, circle 3 points, 3 points angle, perpendiculars, polygon area, boundary length and counting, combine and compare images.



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