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Product Name :
Digital Microscope with Min.5MP, Camera, LCD Monitor
and Software

Product Code :
LBNY-0001-510002



Description :

Digital Microscope with Min.5MP, Camera, LCD Monitor and Software

Technical Specification :

Dioptric adjustment ring on the left having adjustable dioptric scale with trinocular tube for photomicrographic/camera attachments.

Main body All parts die casted to provide long life & good mechanical strength.

Focussing Precise and Separate coarse and fine focusing controls with ergonomically placed knobs on both sides.

A Trinocular head microscope with digital photo microscopy, advanced zoom optics with a CCD camera, LCD monitors (two: 17" & 42"), light source, controller and analysis/reporting software.

Microscope Specification:

Stand: single mold sturdy stand with anti-rust material

Viewing bodies: Siedentopf Binocular tube, 30 degree inclined, 360 degree rotatable, Interpupillary distance 48-75 mm with fixed 5 MP camera module iVU5100

Eyepieces: Wide field focusable paired eye piece WF 10x/20 mm with foldable eye guard lockable with anti-fungus coating

Nose piece: Reverse angle quadruple nose piece (ball-bearing type) with click stops and rubber grip

Objectives: Infinity corrected plan, achromatic objectives 4x, 10x, 40x (spring loaded), 100x (spring loaded, oil), anti-fungus coating

Mechanical Stage: Rackless X-axis, double plate, mechanical stage plate size 200x160 mm, X/Y travel range 78x54 mm, low drive movement controls, hard coated surface for scratch resistance
Condenser: Sub-stage Abbe condenser NA 1.25 with aspheric lens diaphragm with snap-in blue filter. Rack and pinion movements on stainless steel guides
Focusing: Co-axial coarse and fine focusing on ball drive system for smooth operation
Illumination: Halogen 12V-50W illumination with variable illumination control. Up to 2,000 hours of Halogen lamp life
Electrical: Universal input 100V-240V AC

Camera Specification:

Digital camera of 5 MP
Sensor: 1/2.5" MP color CMOS active area 5.70 mm X 4.28 mm
Sensor resolution: 2592x1944 pixels
Pixel size: 2.2 µm x 2.2 µm
Digitization: 12 bit RGB
Pixel clock: 48 mega hertz
Dynamic Range: 68 dB (measured at 10 ms exposure)
Maximum exposure: 3 sec
Minimum exposure: 1 sec
Live image: 30 fps (1280x720) for Digital & 30 fps (720P) for Analog
Scan Mode: Progressive

Image Resolution:

Standard: 2592x1944 , 1280x720, 640x480
Interface: USB 2.0 and Composite Analog out
Optical connection: C-mount
Voltage supply: 5V/2Amp through USB 2.0 or External supply
Power consumption: approximately 1.8 W
Indicator: Green LED indicating power on and ready for capture
Integrated Slot: SD card slot for SD and SDHC cards
Recording: Button for image capture and video capture
Refresh: Reset toggle refreshes white balance and restores camera to factory preset
Analog Interface: NTSC/ PAL toggle switch on board
External Power: Optional power adapter available for when USB power not available

System requirements:

Microsoft 7 OS, 3 GHz CPU, 2 GB RAM

Image analysis software for capturing still images and videos
Auto white balance and auto exposure adjustments
Picture quality adjustments
Annotations, Measurement Functions & Calibration
Archival of Images.
Variety of resolutions to view images
Packed in box with operation manual, software CD and IEEE 1394 cable

LCD Monitor:

Two LCD monitors: 17" and 42"
Accessories: all required for standard use

Other Conditions:

Use under tropical conditions

Digital Microscope with Min.5MP, Camera, LCD Monitor and Software, Digital Microscope with Min.5MP, Camera, LCD Monitor and Software Equipments, Digital Microscope with Min.5MP, Camera, LCD Monitor and Software Tools, Digital Microscope with Min.5MP, Camera, LCD Monitor and Software Tool Kits, Digital Microscope with Min.5MP, Camera, LCD Monitor and Software Manufacturers, Digital Microscope with Min.5MP, Camera, LCD Monitor and Software Suppliers from India, China, Kenya



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