
CORDLESS DIGITAL STUDENT MICROSCOPE WITH MOTIC EDUCATOR SOFTWARE MODEL BB-02500 *See illustration on page 3.*

THE MICROSCOPE

This compound microscope and digital camera combination includes a 100x oil immersion lens, 1.25 N.A. Abbe condenser, and a rechargeable LED illumination system. The quality .3 megapixel digital camera and included Motic Educator Software can be used on both PC and Mac computers.

OPTICAL SYSTEM

- Widefield 10x eyepiece with pointer.
- 45° inclined monocular viewing head.
- DIN standard 4x (0.10 N.A.), 10x (0.25 N.A.), and 40xR (0.65 N.A.) objectives are supplied for 40x, 100x and 400x magnification. Also included is a 100xR (1.25 N.A.) oil immersion lens. All are achromatic, parfocaled, parcentered and color-coded.
- 4-hole objective turret with click-stops, ball-bearing mounted for smooth, precise changes in magnification.

ILLUMINATION

- LED illumination rated up to 50,000 hours life, with light output equal to a 20 watt tungsten bulb, totally heat free.
- Rechargeable AA nickel metal hydride batteries can be recharged up to 1000 times, with each 8 hour charge providing up to 50 hours of operation, totaling 40-50,000 hours use from each set of 3 batteries.
- Included recharger shuts off when batteries are fully charged, eliminating the danger of overcharging and shortening battery life. Microscope can be used during recharging, or recharger can remain plugged-in for conventional use.
- Rheostat light intensity control with separate on/off switch.

FOCUSING

- Separate low position coarse and fine focusing controls.
- Stage moves up or down, eyepiece and body remain fixed.
- Slip clutch prevents damage to focusing system.
- Tension adjustment eliminates stage drift.
- Safety rack stop prevents damage to slides and objective lenses.

STAGE

- Large 120mm x 120mm (4-3/4 in. x 4-3/4 in.) graduated mechanical stage, with a professional quality low profile specimen holder and low-position coaxial x-y controls.
- 1.25 N.A. Abbe condenser with spiral focusing mount, iris diaphragm, built-in swing-out frosted glass filter.

FRAME

- Rugged cast metal, gray enamel finish.
- Height 340mm (13-3/8 in.). Net wt. 3.8 kgs (8.4 lbs).

ACCESSORIES

- Calibration slides.
- USB cable.

PACKING

- Molded styrofoam container with instruction brochure, vinyl dustcover.
- Individual: Ship wt. 5.14 kgs (11.3 lbs), Dimensions 457x381x254mm (18x15x10 in.).
- Master carton pack 2 each: Ship wt. 10.7 kgs (23.5 lbs), Dimensions 482x533x406mm (19x21x16 in.).

Continued on page 2

THE CAMERA

This model permits hook-up to computer with supplied USB cable. Easy-to-use software for capturing microscope images, labeling, measuring, storing, and e-mailing. Requires a PC with Windows XP or above. OSX

SPECIFICATIONS – MICROSCOPE #BB-02500

(USB port, digital signal for use with computer only)

	USB 1.0/1.1 (digital signal)
Image device	1/4 in. interline CCD
Effective pixels	659 x 494
Framed resolution	640 x 480 pixels
White balance	Auto white balance
Power supply	5v self powered from computer USB

System Requirements

Operating System	Windows XP or above. OSX.
Computer Requirements	1Ghz processor, Video card: 128 MB, RAM 512 MB or above, USB 2.0
Menu on monitor	Pull-down menus for opening, storing, printing, print preview, regulator for brightness, color, gamma correction. Icons for recording, image interpolation, switching between large and small image, image quality, automatic and manual white balance.
Image data	Automatic reference number, date, time
Interactive adjustment	Color, brightness, contrast
Import of stored data	Possible

Environmental conditions

Operating temperature	-50°F to +150°F
Storage temperature	-50°F to +175°F
Relative humidity	40% to 95%

MICROSCOPE WARRANTY:

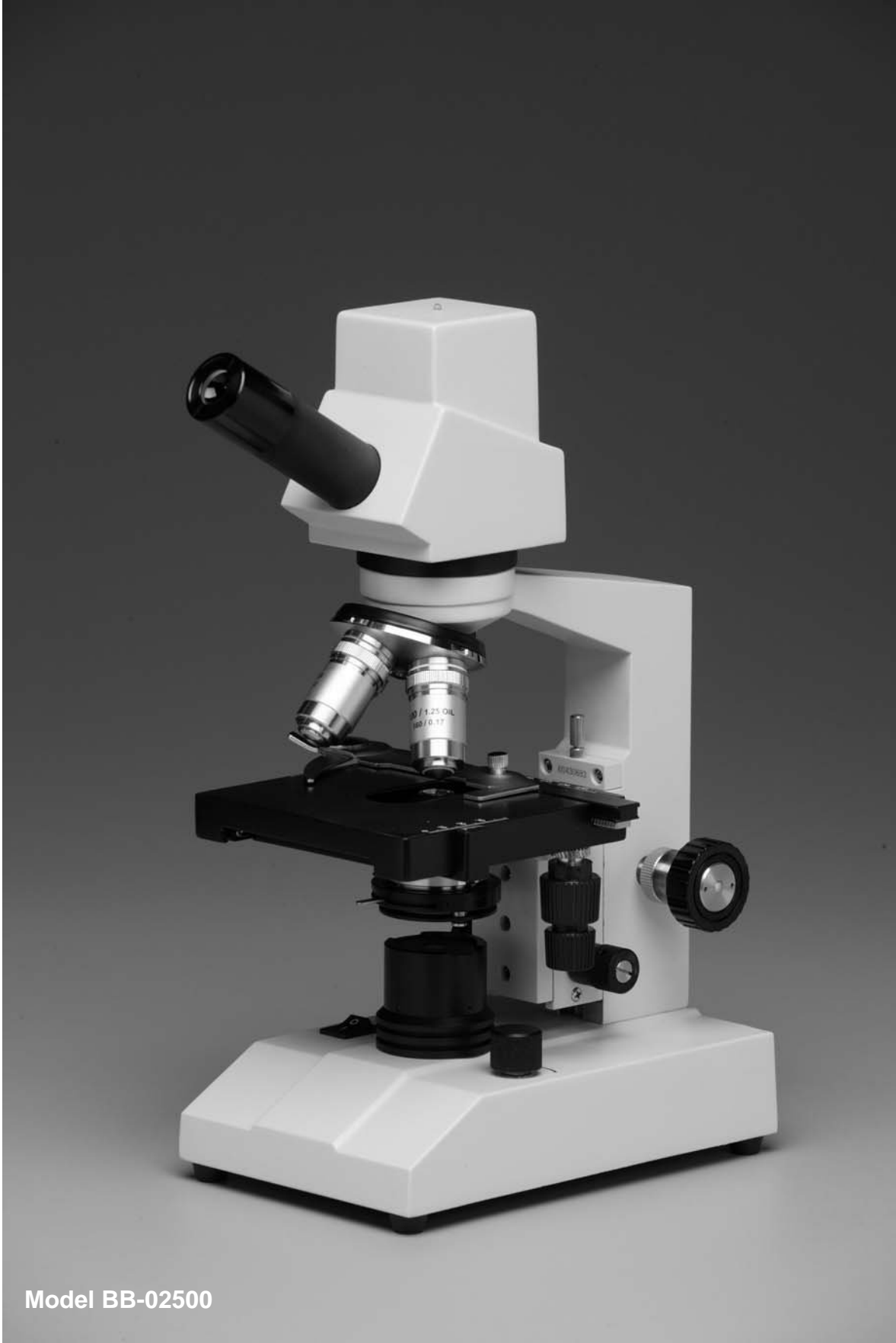
- Lifetime limited warranty on microscope portion, excluding LED, batteries and recharger.

CAMERA WARRANTY:

- 1-year limited warranty

SOFTWARE WARRANTY:

- 90-day limited warranty.



Model BB-02500

Subject to changes in material and design, equal to or exceeding those described above.