the **microscope** *depot*

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ELEMENTARY INSPECTION MICROSCOPE WITH BUILT-IN DIGITAL CAMERA
MODEL BA-01100 *See illustration on page 3.*

The perfect inspection microscope with built-in digital camera at an affordable cost. Magnifies at 20 & 40 times: prepared slides, insects, flowers, rocks, dissecting. Unlike standard classroom microscopes, the image is upright and unreversed, making it easier to manipulate specimen on stage. Uses rechargeable LED lighting on flexible multi-angle gooseneck. Optical glass lenses and prism. Easy rack and pinion focusing. Metal construction. Includes software and accessories for plug-n-play.

MICROSCOPE SPECIFICATIONS

OPTICAL SYSTEM
•   Widefield 10x eyepiece.
•   Built-in 2x objective.
•   Auxiliary 2x Objective.

ILLUMINATION
•   Rechargeable LED on flexible multi-angle gooseneck.

FOCUSING
•   Rack and pinion focusing, special slip clutch to prevent damage to mechanism.
•   Post mounted focusing block, adjustable up and down to accommodate larger specimens.
•   Focusing block on slow-falling mechanism.

STAGE
•   Stage clips for securing specimen.
•   Reversible black and white stage plate, 60mm.

FRAME
•   Rugged, all-metal frame, gray enamel finish, non-skid rubber feet.
•   All parts locked-on to prevent loss.
•   Height   260 mm (10-1/4 in.) extends to 360mm (14-1/4 in.) for larger objects.
    Net wt. 1.8 kg (3.95 lbs)

PACKING
•   Molded styrofoam container with instruction brochure and vinyl dustcover.
•   Individual: Ship wt. 3.10 kgs (6.85 lbs), Dimensions 375x310x180mm (14-3/4x12-1/4x7 in.)

DIGITAL SPECIFICATIONS

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 or Mac OS X.

Comes with two versions of Motic Software for use with PC or Mac computers.

1. Motic Play
2. Motic Educator

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

CAMERA SPECIFICATIONS

	USB (digital signal)
Image device	¼" Built-in chip
Effective pixels	640 x 480
Framed resolution	640 x 480 pixels
Electronic shutter	8-15 frames/sec
White balance	Auto white balance
B.L.C.	Back light compensation (auto)
Power supply	5v self powered from computer USB
Data format	BMP, JPG, MIG (for recording)

SYSTEM REQUIREMENTS

Operating System	Windows XP or above & Mac OSX.
Computer Requirements	1 Ghz processor, Video Card: 128 MB, RAM 512 MB, USB 2.0
Menu on monitor	Pull-down menus for opening, storing, printing, regulator for brightness, color, gamma correction. Icons for recording, switching between large and small image, 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:
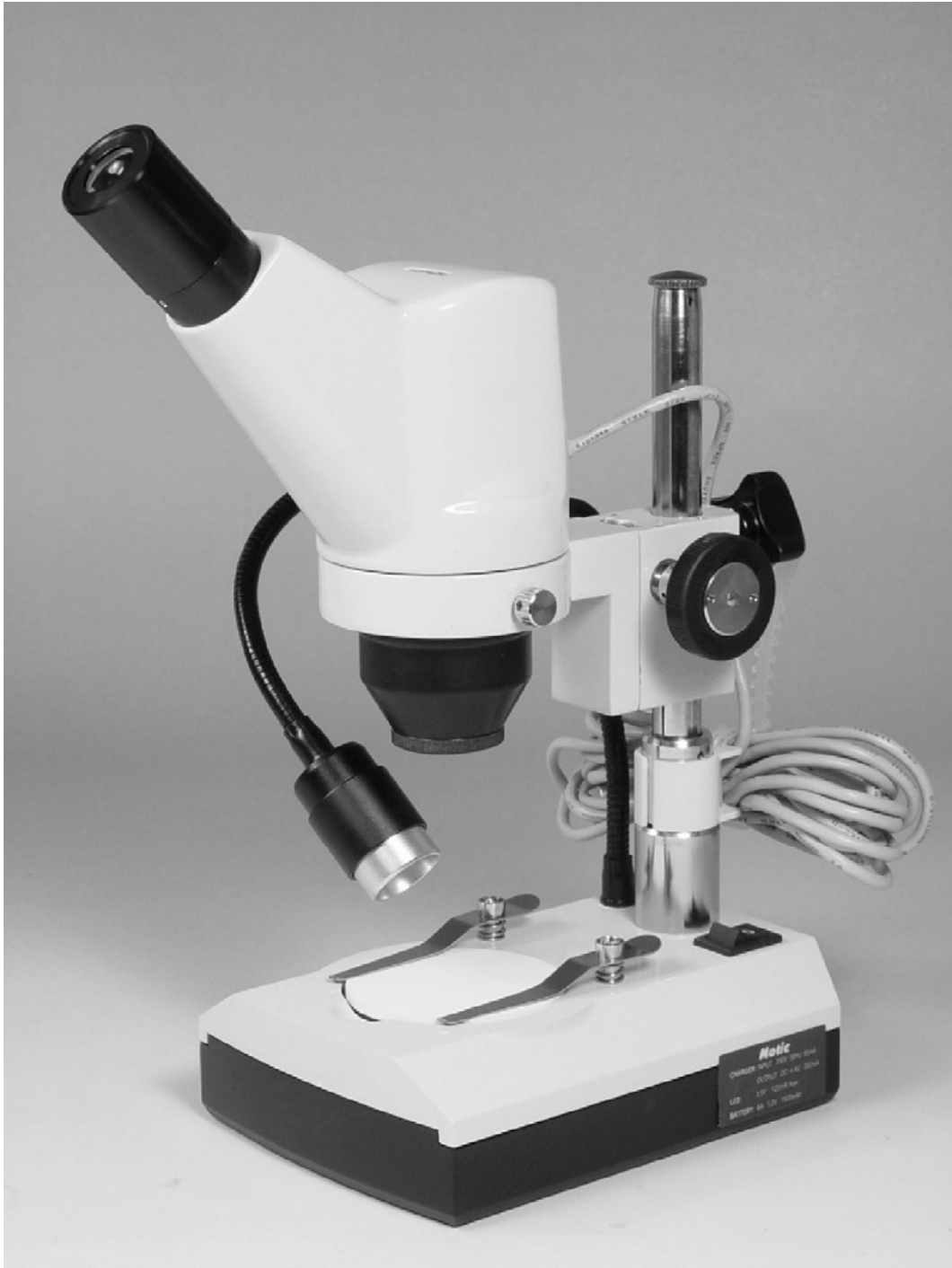
- 5-year limited warranty.

CAMERA WARRANTY:

- 1-year limited warranty

SOFTWARE WARRANTY:

- 90-day limited warranty.

Model: BA-01100