



NATIONAL

National Optical & Scientific Instruments, Inc.
A Member of the Motic Group

MODEL DC4-456H

Stereo Microscope with
5.0MP Digital Camera

A versatile stereoscope microscope that permits you to change from a widefield image at 10x magnification to close-up detail of 30x magnification, simply by rotating the objective turret. The extra rugged fixed-arm stand has both incidental and transmitted illumination. Built in high-resolution digital camera offers 5.0 megapixel live image resolution at 1240 x 1024. Supplied with Motic Images 2.0ML software, which allows the user to view, capture, label, manipulate, and measure images. All necessary cables included. The microscope is fully functional, independent of the camera application.

OPTICAL SYSTEM

- Paired widefield 10x eyepieces with diopter adjustment. Interpupillary adjustment from 55mm to 75mm.
- Eyepieces equipped with reticle holder/retainer to accept reticle with 23mm O.D.
- Magnification changed by rotating objective turret 90° to positive click stops.
- Paired objectives are parfocaled, parcentered and achromatic.

ILLUMINATION

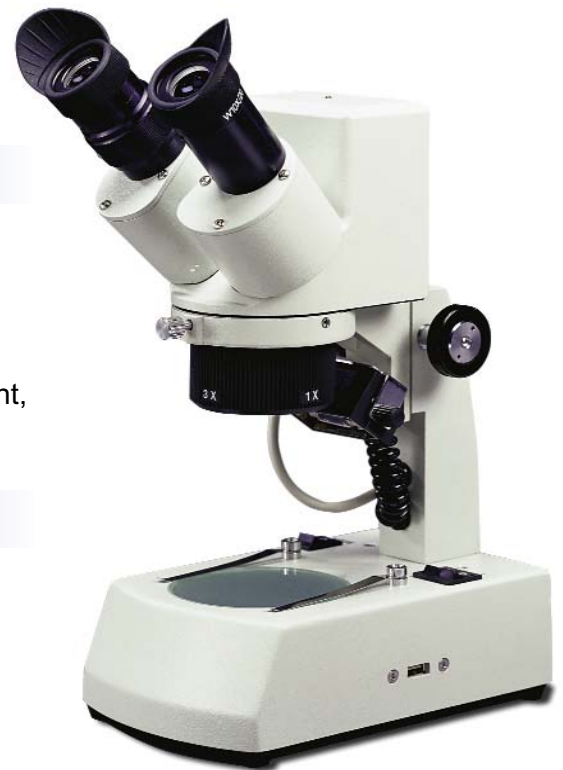
- Top light (incidental) is 12v, 10w halogen with variable intensity control.
- Bottom light (transmitted) is 12v, 10w tungsten.
- 4-position light control: top only/bottom only/top & bottom/off.
- 12v DC power converter operates on 100v-240v 50Hz/60Hz current, without need of additional transformer.

BASE

- Professional, all-metal frame.
- Rack & pinion focusing with slip clutch and tension adjustment.
- Heavy-duty post mount with locking collar, permits up or down adjustment of viewing head to accommodate different sized objects on stage.
- Includes two 80mm stage plates: frosted glass and reversible black/white plastic contrast plate.
- Two locked-on stage clips.

WARRANTY

- Lifetime limited warranty, excluding bulbs and cord.
Camera 1 year limited warranty.



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Specifications	
Eyepiece	10x, 20mm
Head	45° inclined head, rotates 360°
Stage	80mm, frosted glass, reversible black & white
Objectives	1x, 3x
Maximum Specimen Height	35mm
Working Distance	75mm
Top Illumination	12v, 15 watt halogen
Bottom Illumination	12v, 10 watt fluorescent
Height/ Weight	12 1/4 in. (310mm)/ 5.5 lbs. (2.5 kgs)

PACKING:

- Individual: Ship wt. 11 lbs. (5 kgs), Dimensions 16x17x11 in. (400x425x275mm)
- Master carton pack 4 each: Ship wt. 39 lbs. (17.7 kgs), Dimensions 32x15x17 in. (800x375x425mm)

Digital Camera	This model permits hook-up to computer with supplied USB cable. Easy-to-use software for capturing microscope images, labeling, measuring and storing. Requires a PC with Windows XP or above. OSX
Image device	CMOS
Effective pixels	1240 x 1024
Framed resolution	1240 x 1024 pixels
White balance	Software driven white balance
Power supply	5v self powered from computer USB



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Authorized Distributor

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

ISO 9001:2000 Certified
ISO 14001:2001 Certified