



# NATIONAL

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

## MODEL DC4-155, DC4-156-S

**COMPOUND BIOLOGICAL MICROSCOPE  
WITH BUILT-IN 1.3MP DIGITAL CAMERA**

A full-featured microscope with precision optics, highly engineered mechanics, and rugged construction produces optimum image quality. Built in high-resolution digital camera offers 1.3 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.

### OPTICAL SYSTEM

- Widefield 10x eyepiece with pointer. Accepts optional #965-160 eyepiece reticle.
- 45° inclined monocular viewing head.
- DIN objectives 4x, 10x, 40xR, (Model DC4-156-S includes 100xR) are achromatic, parfocaled, parcentered, and color coded
- 3-hole (4-hole on model DC4-156-S) objective turret, ball-bearing mounted for smooth, precise changes in magnification.

### FOCUSING

- Separate low position coarse and fine focusing controls.
- Slip clutch prevents damage from over focusing.
- Tension adjustment eliminates stage drift.
- Safety rack stop prevents damage to slides and objective lenses.

### ILLUMINATION

- Built-in 12v 20 watt halogen with rheostat intensity control.
- Base mounted on/off switch, heavy-duty 3-wire grounded electrical system and plug.
- 12v DC power converter operates on 100v-240v 50Hz/60Hz current, without need of additional transformer.

### WARRANTY

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



Model DC4-156-S

# National Model DC4-155, DC4-156-S

Specifications	
Eyepiece	10x, 18mm, with pointer
Head	45° inclined monocular viewing head
Nosepiece	3-hole (4-hole, DC4-156-S), click stop, ball-bearing mounted
Objectives	DIN, achromat, 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.) (100xR (1.25 N.A.) included on model DC4-156-S)
Stage	120mm x 125mm (4 3/4 in. x 5 in.) with locked on stage clips (DC4-155) 135mm x 135mm (5 1/4 in. x 5 1/4 in.) with low profile mechanical specimen holder (DC4-156-S)
Condenser	Built-in 0.65 N.A. condenser lens, calibrated 5-hole disc diaphragm (DC4-155) 1.25 N.A. Abbe condenser with spiral focusing mount and iris diaphragm (DC4-156-S)
Focusing	Separate coarse and fine controls with tension adjustment and slip clutch
Illumination	12v, 20w halogen
Electrical	Input 110 Volts
Height/ Weight	14 in. (360mm)/ 9.3 lbs (4.2 kgs)

#### PACKING:

- Individual: Ship wt. 17 lbs (7.7 kgs), Dimensions 22x15x15 in. (550x375x375mm)
- Master carton pack 2 each: Ship wt. 32 lbs (14.5 kgs), Dimensions 22x16x20 in. (550x400x500mm)

Digital 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
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