



# NATIONAL

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

## MODEL DC-128 **COMPOUND BIOLOGICAL MICROSCOPE WITH BUILT-IN DIGITAL CAMERA**

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 digital camera and included Motic Educator Software can be used on both PC and Mac computers.

### OPTICAL SYSTEM

- Widefield 10x eyepiece with revolving pointer.
- 45° inclined monocular viewing head.
- DIN standard 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.) and 100xR oil immersion (1.25 N.A.) objectives. All are achromatic, parfocalled, parcentered and color-coded.
- 4-hole 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

- Cool running LED light rated up to 50,000 hours of use.
- 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
- 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.

### WARRANTY

- Microscope limited lifetime warranty, excluding LED, recharger and mechanical stage. Camera 1 year limited warranty.



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<b>Specifications</b>	
Eyepiece	10x, 18mm, with pointer
Head	45° inclined monocular viewing head
Nosepiece	4-hole, click stop, ball-bearing mounted
Objectives	DIN, achromatic, 4x, 10x, 40xR and 100xR
Stage	120mm x 120mm (4 3/4 in. x 4 3/4 in.) stage, with professional quality low profile mechanical specimen holder with low-position coaxial x-y controls.
Condenser	1.25 N.A. Abbe condenser with spiral focusing mount and iris diaphragm.
Focusing	Separate coarse and fine controls with tension adjustment and slip clutch
Illumination	LED
Electrical	3 rechargeable AA nickel metal hydrate (can be recharged up to 1000 times)
Height/ Weight	13 3/8 in. (340mm)/ 8.4 lbs (3.8 kgs)

<b>Digital Camera</b>	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	Interline CCD
Live imaging	5.0MP
White balance	Auto white balance
Power supply	5v self powered from computer USB

## PACKING:

- Individual: Ship wt. 11.3 lbs (5.14 kgs), Dimensions 18x15x10 in. (457x381x254mm)
- Master carton pack 2 each: Ship wt. 23.5 lbs (10.7 kgs), Dimensions 19x21x16 in. (482x533x406mm)