

Boreal Digital Compound Microscopes

	470145-722	470145-726	470222-452
Eyepiece	10x, 18mm with pointer	10x, 18mm with pointer	10x, 18mm
Head	45° inclined monocular viewing head	45° inclined monocular viewing head, rotates 360°	30° inclined forward-facing binocular head
Nosepiece	4-hole, click stop, ball-bearing mounted	3-hole, click stop, ball-bearing mounted	4-hole, click stop, ball-bearing mounted
Objectives	DIN, achromat, 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.) and 100xR (1.25 N.A.)	DIN, achromat, 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.)	DIN, Super High Contrast, 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.) and 100xR (1.25 N.A.)
Stage	120mm x 120mm (4¾" x 4¾") Built-in mechanical stage with low-position coaxial x-y controls	110mm x 120mm (4¾" x 4¾") stage, with locked-on spring mounted stage clips, drilled and tapped to accept optional mechanical stage	Large 140mm x 135mm (5½" x 5½") rackless mechanical stage
Condenser	1.25 N.A. Abbe Condenser with spiral focusing mount and Iris diaphragm	Built-in 0.65 N.A. condenser lens, Iris diaphragm	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	Separate coarse and fine controls with tension adjustment and slip clutch	Coaxial coarse and fine focusing with coarse tension adjustment and graduated fine focus
Illumination	20W 12V Halogen	Cordless 1W LED	Cordless 3W LED
Replacement Bulb	Item #470021-964	Item #470005-050	Item #470330-974
Electrical	110V–220V external auto-switching power supply	Input 110 Volts	110V–220V external auto-switching power supply
Dimensions	14½" (H) x 5" (W) x 6½" (D)	14½" (H) x 5" (W) x 6½" (D)	16½" (H) x 7¼" (W) x 9¼" (D)
Weight	8.4 lbs. (3.8 kgs)	8.4 lbs. (3.8 kgs)	13.9 lbs. (6.3 kgs)
Warranty	Microscope Boreal Lifetime (includes shipping, excludes bulb & fuse). Camera 1 year limited.	Microscope Boreal Lifetime (includes shipping, excludes bulb & fuse). Camera 1 year limited.	Microscope Boreal Lifetime (includes shipping, excludes bulb & fuse). Camera 1 year limited.
Digital Camera	These models have built-in cameras that permit hook-up to a computer with supplied USB cable. Easy to use software for capturing microscope images, labeling, measuring, storing and emailing is included. Requires Windows XP and above or OSX and above		
Image Sensor	½" CMOS	¼" CCD	½" CMOS
Live Imaging	2048 x 1536 (3MP)	800 x 600 (0.3MP)	2048 x 1536 (3MP)
White Balance	Auto white balance	Auto white balance	Auto white balance
Power Supply	5V self powered from computer USB	5V self powered from computer USB	5V self powered from computer USB
Operating Systems	Windows 7 and higher, Mac OSX	Windows 7 and higher, Mac OSX	Windows 7 and higher, Mac OSX
Computer Requirements	Processor: 2 GHz or above, RAM 2GB	Processor: 2 GHz or above, RAM 2GB	Processor: 2 GHz or above, RAM 2GB

Boreal



**Lifetime
Warranty**

Boreal Microscope Warranty; Best in the Industry

Life-Time Warranty; No-Cost, No Hassle Warranty

Our extraordinary, all inclusive lifetime warranty covers all Boreal Microscope repairs beginning from the day you first receive your Boreal Microscope. It covers any defect in materials or workmanship for the life of the microscope with no restrictions on ownership. If anything goes wrong with your Boreal Microscope (with exception of light bulbs, fuses, routine cleaning and normal wear), we repair or even replace it, if necessary (at our discretion).

All repairs are done by our in-house staff of trained technicians. All repairs are performed at no cost to you. There is no charge for parts or labor. If your Boreal Microscope needs to be shipped back to us, we provide everything you will need to do so. We even cover the cost of shipping and handling - both from you to us, and back. There is never a charge for any of these services.