

Boreal2 Digital Compound Microscopes

| | 470014-544 | 470014-546 | 470014-550 |
|------------------------------|---|--|---|
| Eyepiece | 10x, 18mm with pointer | 10x, 18mm with pointer | (2) 10x, 18mm |
| Head | 45° inclined monocular viewing head | 45° inclined monocular viewing head | 30° inclined Siedentopf binocular head |
| Nosepiece | Reversed 3-hole, click stop, ball-bearing mounted | Reversed 4-hole, click stop, ball-bearing mounted | 4-hole, click stop, ball-bearing mounted |
| Objectives | Locked-on DIN, achromat, 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.) | Locked-on DIN, achromat, 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.) and 100xR (1.25 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 | Gliding 110mm x 110mm (4 $\frac{3}{8}$ " x 4 $\frac{3}{8}$ ") stage, with locked-on spring mounted stage clips | 120mm x 120mm (4 $\frac{3}{8}$ " x 4 $\frac{3}{8}$ ") Built-in mechanical stage with low-position coaxial x-y controls | Large 140mm x 135mm (5 $\frac{1}{2}$ " x 5 $\frac{1}{8}$ ") rackless mechanical stage |
| Condenser | Built-in 0.65 N.A. condenser lens, Sealed Iris diaphragm | 1.25 N.A. Abbe Condenser with spiral focusing mount and Iris diaphragm | Focusable and centrable 1.25 N.A. Abbe Condenser with iris diaphragm and filter holder |
| 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 | Rechargeable 1W LED with intensity control | Rechargeable 1W LED with intensity control | LED 3W Koehler illumination with intensity control |
| Replacement Bulb | Item #470005-050 | Item #470005-050 | Item #470330-974 |
| Electrical | Charger 110–240V or rechargeable batteries | Charger 110–240V or rechargeable batteries | 110V–220V external auto-switching power supply |
| Dimensions | 269 (L) x 158 (W) x 353mm(H) | 269 (L) x 158 (W) x 353mm(H) | 269 (L) x 158 (W) x 353mm(H) |
| Weight | 6.8 lbs. (3.1 kgs) | 6.8 lbs. (3.1 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 | ¼" CCD | ½" CMOS | ½" CMOS |
| Live Imaging | 800 x 600 (0.3MP) | 2048 x 1536 (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.