

Boreal 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 (4-3/8 in. x 4-3/8 in.) stage, with locked-on spring mounted stage clips	120mm x 120mm (4-3/8 in. x 4-3/8 in.) Built-in mechanical stage with low-position coaxial x-y controls	Large 140mm x 135mm (5-1/2 in. x 5-1/3 in.) 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	Ward's Item #470005-050	Ward's Item #470005-050	Ward's #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	1/4" CCD	1/2" CMOS	1/2" 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