



### Specifications

- Optical system: Infinity corrected optical system
- Viewing head: Seidentopf trinocular viewing head inclined at 30°, interpupillary 48-75m, 360° rotation, light distribution: 100:0/20:80
- Eyepiece: A pair of WF10x/22mm eyepiece
- Nosepiece: Reversed quintuple ball bearings revolving nosepiece
- Objectives: All with anti-fungus treatment.
  - Infinite plan achromatic objective 4x/0.10
  - Infinite plan achromatic objective 10x/0.25
  - Infinite plan achromatic objective 40x/0.65, spring loaded
  - Infinite plan achromatic objective 100x/1.25, spring loaded, oil
- Magnification: 40x-1000x
- Stage: Double layer mechanical stage, with size: 180x150mm, 75x50mm X-Y movement range. Vernier scale on the two axes with two-slide holder
- Focusing: Integrated design, coaxial focus system with upper limited and tension adjustment, coarse stroke 37.7mm per rotation, fine precision: 0.002mm, fine stroke 0.2mm per rotation, moving range: 25mm, provided with an adjustable tightness device to prevent slipping and a mechanical upper limit device
- Condenser: Focusable and centerable Abbe condenser 0.90/1.25 with slot
- Illumination: 3W LED lamp with Köhler illumination, long lifetime, not less than 65,000 hours, brightness adjustable
- Power: Multi-plug 85-230Vac, 50/60Hz external power supply
- Others: Dust cover, spare fuse, green & blue filters, user manual
- C mount: 0.5x C mount
- Digital tablet: DP1 Plus, 10.5-inch IPS LCD touch screen with integrated display camera, with IMX307, 1/2" sensor, 2.0x2.0um, 8MP 4K, CMOS chip 2 x USB3.0 ports, 1 x USB2.0 port, 1 x HDMI port, 1 x Gigabit Lan port, 2.4GHz/5GHz dual-band WiFi, support WiFi6, Support Bluetooth 5.0, Image: 30@3840\*2160, support 1080 video, built-in with S-EYE image software Exposure: Automatic and manual, with target brightness settings available; Exposure time 0-999MS Compatibility with Windows/MacOS/TV, Built-in battery White Balance: Auto and Manual and ROI Mode Parameter settings Contrast, saturation, brightness, sharpness, noise reduction, etc.
- Viewing angle - max. to 178 degrees

## BC1000UILW Infinite Digital Biological Microscope with 10.5-Inch Digital TouchScreen Tablet, Integrated with 4K 8MP Camera



### Optional Accessories

Cat. Number	Descriptions	Cat. Number	Descriptions
BC1001001	Infinite binocular head	BC1001035	Infinite plan darkfield objective 100x with iris diaphragm for oil dark field condenser
BC1001002	Infinite trinocular head	BC1001036	Sliding Phase Contrast Condenser with Plug in plate 10x, 40x (Magnification of Plug-in plate can be choose from 10x 20x, 40x, 100x as users' wish)
BC1001003	Digital viewing head inclined at 30°, 3M pixels, support WiFi (infinite)	BC1001037	Turret Phase contrast condenser (for phase 10x, 20x/40x, 100x)
BC1001004	Digital viewing head inclined at 30°, 5M pixels, support WiFi (infinite)	BC1001038	Infinite Phase Contrast Objective PH10x/0.25
BC1001005	LCD display for adapting with viewing head, 5M pixels, 9.7" LCD, android OS	BC1001039	Infinite Phase Contrast Objective PH20x/0.40
BC1001006	Eyepiece EV10x/20m	BC1001040	Infinite Phase Contrast Objective PH40x/0.65
BC1001007	Eyepiece WF10x/20m with diopter adjustment	BC1001041	Infinite Phase Contrast Objective PH100x/1.25
BC1001008	Reticle	BC1001042	Phase centering telescope
BC1001009	Eyepiece P15x	BC1001043	Green filter
BC1001010	Eyepiece WF20x	BC1001044	Simple Polarization Set: Polarizer & Analyzer
BC1001011	Eyepiece WF25x	BC1001045	Temperature control system: 5W LED illumination, temperature Controlling range: room temperature to 50 °C
BC1001012	Backward quadruple revolving nosepiece	BC1001046	LED Epi-Fluorescent Attachment "FL-LED" LED 3W BLUE 465-475nm, including LED fluorescent filter block system; fluorescent filter block B excluded filter included
BC1001013	Backward quintuple revolving nosepiece	BC1001047	Driving system: 2 for infinite model
BC1001014	Infinite semi-plan achromatic objective 10x/0.10	BC1001048	BLUE (B) Filter Block (used for FL-LED): Excitation BP460-490 - Dichroic Mirror DM505 - Barrier Filter BA520
BC1001015	Infinite semi-plan achromatic objective 10x/0.25	BC1001049	GREEN (G) Filter Block (used for FL-LED): Excitation BP510 - 550 - Dichroic Mirror DM570 - Barrier Filter BA590
BC1001016	Infinite semi-plan achromatic objective 40x/0.65, spring loaded	BC1001050	Epi-Fluorescent Attachment "XY-Z": Including filter block system, fluorescent filter block B & G excitation filter block included; 100W HBO ultra high-voltage spherical mercury lamp; power supplier NPF-1, 220V/110V interchangeable, digital display and timer; protection barrier to resist the ultraviolet light; fluorescent oil
BC1001017	Infinite semi-plan achromatic objective 100x/1.25, spring loaded, oil	BC1001051	B&G fluorescent block set, including two filters: (used for XY-Z)
BC1001018	Infinite plan achromatic objective 4x/0.10	BC1001052	BLUE Filter Block: Excitation BP460 - 490 - Dichroic Mirror DM500 - Barrier Filter BA590
BC1001019	Infinite plan achromatic objective 10x/0.25	BC1001053	UVB fluorescent block set, including two filters: (used for XY-Z)
BC1001020	Infinite plan achromatic objective 20x/0.40	BC1001054	ULTRAVIOLET Filter Block: excitation BP330 - 385 - DM400 - Barrier Filter BA420
BC1001021	Infinite plan achromatic objective 40x/0.65, spring loaded	BC1001055	VIOLET Filter Block: excitation BP400 - 410 - DM455 - Barrier Filter BA455
BC1001022	Infinite plan achromatic objective 60x/0.80, spring loaded	BC1001056	Infinite plan fluorescent objective 4x/0.13, WD 16.3mm
BC1001023	Infinite plan achromatic objective 100x/1.25, spring loaded, oil	BC1001057	Infinite plan fluorescent objective 10x/0.3, WD 12.4mm
BC1001024	Double layer mechanical stage 185X142mm, moving range 75X55mm	BC1001058	Infinite plan fluorescent objective 20x/0.5, WD 1.5mm
BC1001025	Halogen Bulb (Used for replacement for IC2100 halogen model)	BC1001059	Infinite plan fluorescent objective 40x/0.75, WD 0.35mm
BC1001026	5-LED Illumination	***	Digital Camera (Please refer to our digital camera brochure)
BC1001027	5-LED Illumination with Recharger		
BC1001028	Kohler Illumination		
BC1001029	Plane-concave Mirror		
BC1001030	NA 1.25 Sliding-In Centerable Condenser		
BC1001031	Swing-out condenser NA0.9/0.25		
BC1001032	Dark Field Condenser NA0.7-0.9 (Dry)		
BC1001033	Dark Field Condenser NA1.25-1.36 (Oil)		
BC1001034	Infinity plan darkfield objective 100x for oil dark field condenser		