


ESB500Series Infinite Compound Microscope for Life Science and Research

Microscopes

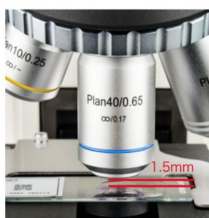
Product Specifications

Picture	Specifications	EXW Price
 <p>Order Code: ESB-520T Infinite Trinocular Microscope with Phase Contrast &amp; Darkfield Observation</p>	<ul style="list-style-type: none"> <li>Optical System: NIS60 Infinity Optical System</li> <li>Viewing head: Siedentopf trinocular with 30° inclined tubes Interpupillary distance adjustable between 47 and 78mm, 3-Position beam splitter (100:0/80:20/0:100) diopter adjustment on both eyepieces</li> <li>Nosepiece: Backward Quintuple Coding Nosepiece, which remembers the illumination brightness when using each objective. When different objectives are switched between each other, the light intensity is automatically adjusted to reduce visual fatigue and improve work efficiency.</li> <li>Eyepiece: Wide field eyepiece WF10x/22mm, diopter adjustment +/- 5, tube diameter: Ø30mm</li> <li>Telescope: Centering telescope</li> <li>Objectives: NIS60 Infinite Plan Achromatic Objective 4x, NA 0.10 NIS60 Series Infinite Phase Contrast Objective 10x, N.A.O.25 NIS60 Series Infinite Phase Contrast Objective 40x, N.A.O.65 NIS60 Series Infinite Phase Contrast Objective 100x, N.A.1.25</li> <li>Stage: Synchronous belt platform stage 235mmx150mm, XY Moving Range 78mmx54mm, Metal clips for glass slides, hardoxidized platform surface</li> <li>Focusing: Low-hand position coarse and fine coaxial focusing mechanism, Coarse Stroke 37.7mm per Rotation, Fine division 0.002mm, Fine Stroke 0.2mm per Rotation, Focal Distance 30mm, With adjusting elastic device and upper limit, with platform up and down adjustment mechanism, stage XY graduation step 0.1mm</li> <li>Condenser: Standard Abbe condenser 1.25 NA with slot for darkfield and phase contrast sliders, with objective position scales</li> <li>Illumination: Come with phase contrast slide 4x-100x and darkfield slide 3W LED modular 6W/30W halogen module lighting, color temperature and brightness adjustable. Matrix lens for uniform field illumination. The brightness of the entire field of view is uniform. The color temperature can be adjusted to the lighting effects as LED illumination or halogen illumination according to the user needs. Transmitted and fluorescent lighting button switch; identify and display the band on the LCD screen.</li> <li>LCD Screen: The LCD screen on the front of the microscope displays the use status of the microscope, including magnification, light intensity, standby status, lock etc.</li> <li>ECO Function: The ECO Function is able to avoid unnecessary loss of energy. The illumination of the microscope automatically switches off shortly after microscopists step away from their position for some time (the time can be pre-set as user need)</li> <li>Supplied with: Dust cover, spare fuse, green filter, manual, immersion oil</li> <li>Power: 100-240V, 50/60Hz</li> </ul>	US\$2,195.00

Optional Accessories

Cat. Number	Descriptions
M11261001	Siedentopf Binocular Head, Inclined at 30°, Interpupillary 47-78mm, 360° Rotation
M11261002	Siedentopf Trinocular Viewing Head, Inclined at 30°, Interpupillary 47-78mm, Splitting ratio 5:5
M11261003	Binocular Switching Viewing Head
M11261004	Trinocular Switching Viewing Head
M11261005	Wireless Digital Head with Built-in 5 Million Pixels
M11261006	Trinocular head with 9.7" LED screen, integrated with digital camera 5M pixels, Android OS, HDMI, USB, SD Card, Wi-Fi, Mouse Control
M11261007	Ergonomic 5 to 35° Inclinable Trinocular Viewing Head
M11261008	Photoattachment with standard Ø 23.2 mm tube for digital camera use
M11261009	EW10x/22mm eyepiece
M11261010	WF15x/16mm eyepiece
M11261011	WF20x/12mm eyepiece
M11261012	Grid for eyepiece
M11261013	Reticle for eyepiece
M11261014	Corsaline forepiece
M11261015	Backward Quintuple Nosepiece (Non-coding)
M11261016	Backward Quintuple Nosepiece (Coding)
M11261017	NIS45 Infinite Plan Achromatic Objective 4x, NA 0.1, WD: 20.6mm
M11261018	NIS45 Infinite Plan Achromatic Objective 10x, NA 0.25, WD: 18mm
M11261019	NIS45 Infinite Plan Achromatic Objective 20x, NA 0.40, WD: 13mm
M11261020	NIS45 Infinite Plan Achromatic Objective 40x, NA 0.65, WD: 11.5mm
M11261021	NIS45 Infinite Plan Achromatic Objective 60x, NA 0.80, WD: 0.14mm
M11261022	NIS45 Infinite Plan Achromatic Objective 100x, NA 1.25, WD: 0.13mm, spring loaded, oil
M11261023	NIS45 Infinite Plan Achromatic Objective 100x, NA 1.1, WD: 0.20mm, spring loaded, water
M11261024	NIS60 Infinite Plan Achromatic Objective 4x, NA 0.1, WD: 30mm
M11261025	NIS60 Infinite Plan Achromatic Objective 10x, NA 0.25, WD: 17.5mm
M11261026	NIS60 Infinite Plan Achromatic Objective 20x, NA 0.40, WD: 12mm
M11261027	NIS60 Infinite Plan Achromatic Objective 40x, NA 0.65, WD: 1.5mm
M11261028	NIS60 Infinite Plan Achromatic Objective 60x, NA 0.80, WD: 0.14mm
M11261029	NIS60 Infinite Plan Achromatic Objective 100x, NA 1.25, WD: 0.13mm, spring loaded, oil
M11261030	NIS60 Infinite Plan Achromatic Objective 100x, NA 1.1, WD: 0.20mm, spring loaded, water
M11261031	NIS45 Series Infinite Phase Contrast Objective 10x
M11261032	NIS45 Series Infinite Phase Contrast Objective 20x
M11261033	NIS45 Series Infinite Phase Contrast Objective 40x
M11261034	NIS45 Series Infinite Phase Contrast Objective 100x
M11261035	NIS60 Series Infinite Phase Contrast Objective 10x
M11261036	NIS60 Series Infinite Phase Contrast Objective 20x

Cat. Number	Descriptions
M11261037	NIS60 Series Infinite Phase Contrast Objective 40x
M11261038	NIS60 Series Infinite Phase Contrast Objective 100x
M11261039	S LED illumination replacement unit for BES10
M11261040	3W LED illumination replacement unit for BES20
M11261041	Kohler Attachment
M11261042	Swing-out condenser N.A.O. 0.90.25 (needed to work with 2x objective)
M11261043	Dark Field Plate (One annulus is for darkfield observation, and one is for brightfield observation)
M11261044	Infinity plan objective 100x used for oil dark field condenser
M11261045	Infinity plan objective 100x with iris diaphragm for oil dark field condenser
M11261046	10x-40x phase contrast slider
M11261047	100x phase contrast slide
M11261048	Centering Telescope
M11261049	Green Filter
M11261050	Simple Polarization Set: Polarizer & Analyzer
M11261051	Synchronous belt stage 230x150mm, moving range 78x54mm
M11261052	Synchronous belt stage 230x150mm, moving range 78x54mm (Wear-resistant type)
M11261053	Temperature Control System: SW LED Illumination, Temperature Controlling Range Room Temperature to 50°C
M11261054	FEA 2" LED Epifluorescence Attachment, supplied with Epifluorescence illumination device including 3 position slider (2 position for fluorescence cubes and 1 position for brightfield observation) and UV protection shield, equipped with standard fluorescence filter set for Blue Excitation EX460-490 (BP) DM505 EM515 (LP)
M11261055	Blue Cube Excitation: BP460-490, Dichroic Mirror DM: 505, Barrier Filter: BA515
M11261056	Green Cube Excitation: BP510-550, Dichroic Mirror DM: 570, Barrier Filter: BA590
M11261057	VIOLET Cube Excitation: BP380-415, Dichroic Mirror DM: 460, Barrier Filter: BA475
M11261058	ULTRAVIOLET Cube Excitation: BP320-380, Dichroic Mirror DM: 420, Barrier Filter: BA435
M11261059	NIS60 Plan Semi-Apochromatic infinity corrected objective, PlanF S Apo 4x/0.13, working distance 16.5 mm
M11261060	NIS60 Plan Semi-Apochromatic infinity corrected objective, PlanF S Apo 10x/0.30, working distance 8.1 mm
M11261061	NIS60 Plan Semi-Apochromatic infinity corrected objective, PlanF S Apo 20x/0.50, working distance 2.1 mm
M11261062	NIS60 Plan Semi-Apochromatic infinity corrected objective, PlanF S Apo 40x/0.75, working distance 0.7 mm
M11261063	NIS60 Plan Semi-Apochromatic infinity corrected objective, PlanF S Apo 100x/1.30, oil immersion, W.D.: 0.15 mm
M11261064	IX C mount
M11261065	0.5X C mount
M11261066	Universal SLR-adaptor with built-in 2x lens for standard 23.2mm tube (work with 2 adapter)
M11261067	T2 ring for Nikon D SLR - digital camera
M11261068	T2 ring for Canon EOS SLR - digital camera
M11261069	App software for BES20 series' management on smartphone
***	Digital Camera (Please refer to our digital camera brochure)



100x water immersion objectives

Two 100x water immersion objectives are available: suitable for all brands of microscopes, for a wide range of applications:

- 1). Left one: 100x NA=1.1 WD=0.2, aluminum color, parfocal distance 45, objective thread 4/5"
- 2). Right one: 100x NA=1.1 WD=0.2, aluminum black shell, parfocal distance 60, objective lens M25

40x long working distance objective

The working distance of 40x objective can be up to 1.5mm, avoiding the erosion from residual immersion oil and water when converted from 100x to 40x objective.

