

SMART Series **Biological Microscope**

- Excellent OTICS infinity optical system, outstanding resolution and definition.
- Original integrated stand for excellent stability.
- Unique aspheric illumination system, provide bright and comfortable lighting.
- Various colorful matching looking can provide lively environment and happy mood.
- Various accessories for upgrading.
- Back handle and observing hole convenient for carry and operation.
- Alternative color for main body.



Rackless(Integrated) stage



SMART—TR-FL LED Fluorescence Microscope (F03 fluorescence device)



SMART-FL4LED LED Fluorescence Microscope



SMART-FL Fluorescence Microscope



SMART-FL2LED LED Fluorescence Microscope



- Phase contrast unit, Independent phase contrast unit (apply to infinity optical system)

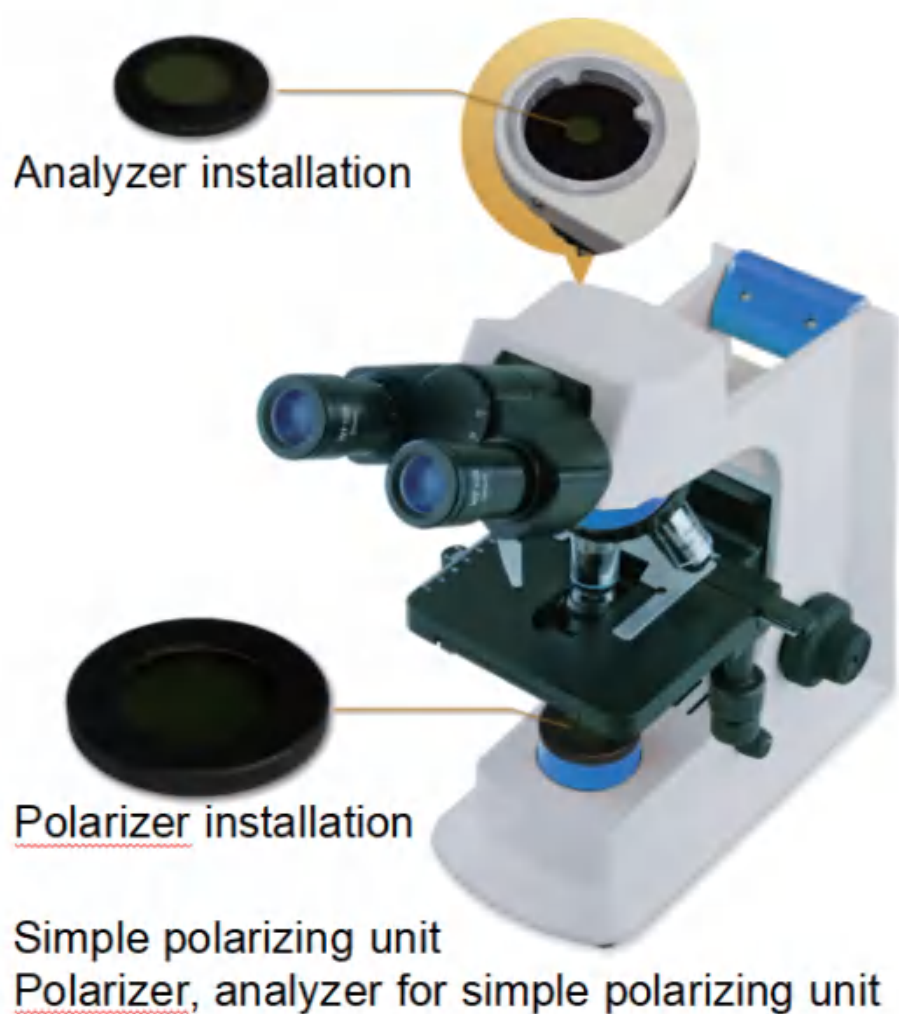


- Dry Dark Field Condenser



- Mirror

- Polarizer, analyzer for simple polarizing unit.



BK5000 Series Biological Microscope Outfits

Item	Specification		SMART-1	SMART-2	SMART-3	SMART-4
Eyepiece	WF 10X-18mm		●●			
	WF 10X- 20mm			●●	●●	●●
Finity Achromatic Objective	4X/0.10	WD=18.6mm	●			
	10X/0.25	WD=6.5mm	●			
	40X(S)/0.65	WD=0.47mm	●			
	100X/1.25 (Oil) (S) /1.25	WD=0.07mm	●			
Finity Plan Achromatic Objective	Plan 4X/0.10	WD=14.5mm		●		
	Plan 10X/0.25	WD=5.65mm		●		
	Plan 40X/0.65 (S)/0.65	WD=0.85mm		●		
	Plan 100X/1.25 (Oil) (S)/1.25	WD=0.07mm		●		
Infinity Achromatic Objectives	E-Plan4X/0.10	WD=12.1mm			●	
	E-Plan10X/0.25	WD=4.14mm			●	
	E-Plan40X (S)/0.65	WD=0.58mm			●	
	E-Plan100X (Oil) (S)/1.25	WD=0.19mm			●	
InfinityPlan Achromatic Objectives	Plan 4X/0.10	WD=12.1mm				●
	Plan 10X/0.25	WD=4.64mm				●
	Plan 40X (S)/0.66	WD=0.65mm				●
	Plan 100X (Oil) (S)/1.25	WD=0.12mm				●
	Plan 20X/0.40	WD=2.41mm			○	○
	Plan 60X (S)/0.80	WD=0.33mm			○	○

Butterfly Seidentopf Binocular Head	Inclined 30°,Rotatable 360°, Interpupillary Distance 48-75mm	●	●	●	●
Butterfly Seidentopf Trinocular Head	Inclined 30°,Rotatable 360°, Interpupillary Distance 48-75mm, Light Distribution 20:80	○	○	○	○
Nosepiece	Quadplex	●	●	●	●
	Quintuple	○	○	○	○
Mechanical Stage	Stage Size: 145 mm×140mm Travel: 76mmX52mm, Scale: 0.1mm Coaxial Coarse and Fine Focusing Knobs Travel Range: 26mm, Scale: 2um Two Slide Holder	●	●	●	●
	Rackless(Integrated) stage, size: 140×135mm,Travel range: 75×35mm, Two-slide holder	○	○	○	○
Condenser	Abbe N.A. 1.25(Iris Diaphragm)	●	●	●	●
Illumination	3W-LED Illumination Systems (DC input)	●	●	●	●
	12V/20W Halogen Lamp	○	○	○	○
	12V/30W Halogen Lamp	○	○	○	○
Field Diaphragm		○	○	○	○
Dark Field Condenser	Dry, apply to 4X - 40X objective			○	○
Polarizing Attachment	Analyzer/Polarizer			○	○
Independent phase contrast unit	10X /20X /40X /100X			○	○
Fluorescence Attachment	Epi fluorescence unit (six-hole disc media which can be fixed with Uv /V/B/G and another filters) , 100W mercury lamp.			○	○
	Epi fluorescence unit (six-hole disc media which can be fixed Uv /V/B/G), 5W-LED fluorescence lamp.			○	○
	F03 fluorescence unit(2-hole disc media which can be fixed with Uv /V/B/G and another filters), 5W-LED fluorescence lamp			○	○
Filter(Φ45mm)	Blue /Green /Yellow/Grey	○	○	○	○
C-Mount	1X/ 0.35X/0.5X/0.75X (Focus adjustable)	○	○	○	○
Mirror		○	○	○	○

Note: "●"In Table Is Standard outfits, "○" Is Optional Accessories.

Packing Size: 550mm×380mm×290mm Gross Weight: 7.5 kgs Net Weight: 6.5 kgs

SMART-E500 Digital Microscope Characteristics

- Dustproof, moisture-proof, built-in chip.
- Built-in 5MP digital camera system,1/2.8''CMOS color sequential scanning.
- USB2.0 connection without external power supply.
- Available for WINDOWS system.
- Light distribution 20:80, eyepiece observation synchronized with digital imaging without switching.

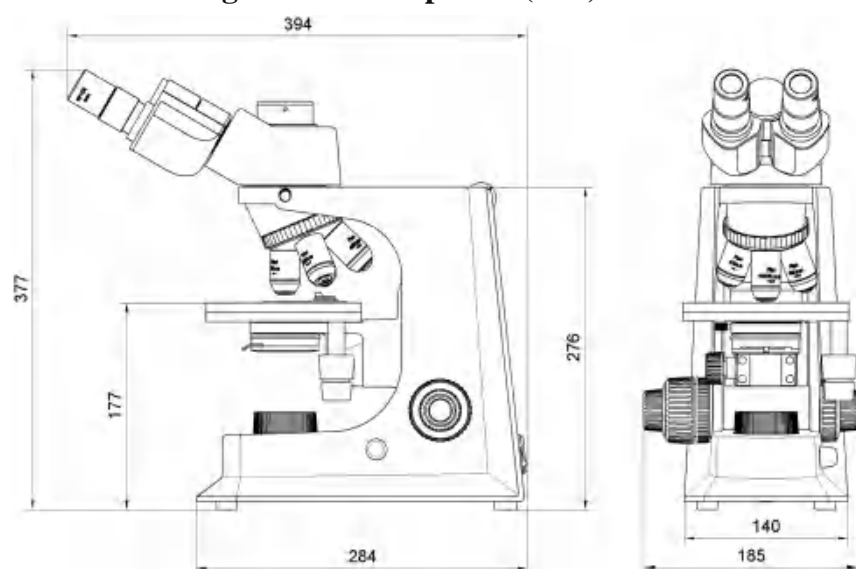


Item	Specification		SMART-E500
Eyepiece	WF 10X-20mm		●●
Infinity Achromatic Objectives	E-Plan4X/0.10	WD=12.1mm	●
	E-Plan10X/0.25	WD=4.14mm	●
	E-Plan40X (S)/0.65	WD=0.58mm	●
	E-Plan100X (Oil) (S)/1.25	WD=0.19mm	●
Seidentopf Binocular Head	Inclined 30°,Rotatable 360°,Interpupillary Distance: 50-75mm		●
Nosepiece	Quadplex		●
Mechanical Stage	Stage Size: 145mm×140mm		●
	Travel: 76mm×52mm, Scale: 0.1mm,Two Slide Holder		
Condenser	Abbe N.A. 1.25(Iris Diaphragm)		●
Illumination	3W LED Illumination Systems		●
	12V/20W Halogen Lamp		○
	12V/30W Halogen Lamp		○
Image Systems			5 MP Pixel

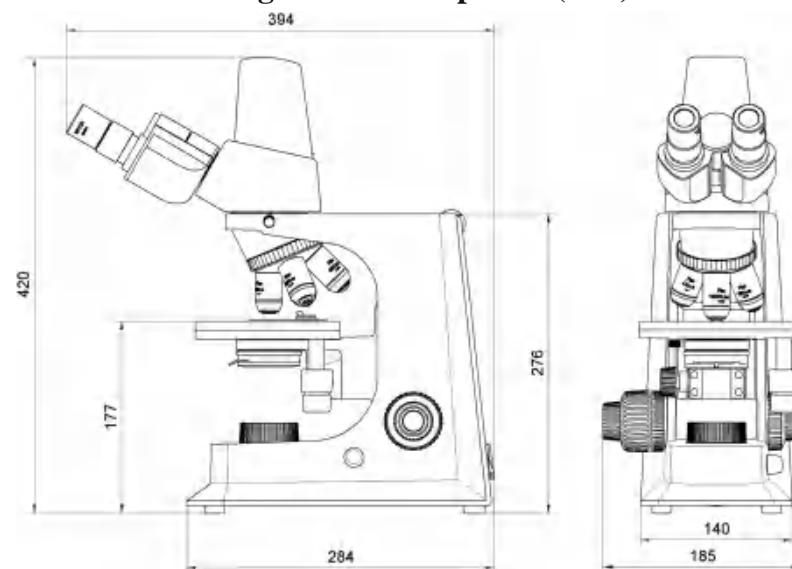
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Packing Size: 550mm×380mm×290mm Gross Weight: 8 kgs Net Weight: 7 kgs

SMART Biological Microscope Size(mm)



SMART-E500 Digital Microscope Size(mm)



SMART-FL Fluorescence Microscope Size(mm)

