

BS-3025T1(500L) Digital Zoom Stereo Microscope



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Introduction

BS-3025T1(500L) Digital Zoom Stereo Microscopes offer sharp 3D images which are very clear throughout the zoom range. The 5.0MP digital camera has high speed and can capture high quality pictures. The microscope is very popular and cost effective. Optional eyepieces and auxiliary objectives can expand magnification range and working distances. Cold light and ring light can be chosen for this microscope.

Feature

1. 7×-45× zoom magnification power with sharp images, can be extended to 3.5×-270× with optional eyepiece and auxiliary objective.
2. High eyepoint WF10×/20mm eyepiece.
3. 100mm Long working distance.
4. 5.0MP color USB2.0 digital camera and LED ring light.
5. Ergonomic design, sharp image, wide viewing field, high depth of field and easy to operate.
6. Ideal instrument in education, medical and industrial field.

Product Detail Image





Application

BS-3025T1(500L) Digital Zoom Stereo microscopes is widely used in education, lab research, biology, metallurgy, engineering, chemistry, manufacturing, and in the medical, forensic science and veterinary industries. The microscope can be used for circuit board repair and inspection, SMT work, electronics inspection, dissection, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

Specification

Item	Specification		BS-3025T1(500L)
Viewing Head	Binocular head, inclined at 45°, Interpupillary Distance 54-76mm, diopter adjustment for both tubes, 30mm tube		○
	Trinocular head, inclined at 45°, Interpupillary Distance, 54-76mm, 2:8, diopter adjustment for both tubes, 30mm tube		●
Camera	USB2.0 CMOS Digital camera(5MP)		●
	Sensor Model: Sony, IMX323LQN-C		●
	Sensor Size:1/2.8"		●
	Pixel Size: 2.0 μm×2.0μm		○
	Resolution: 5MP, 2560×1920		●
	Frame Rate: 22fps		○
Eyepiece	WF10×/ 20mm eyepiece (micrometer is optional)		●
	WF15×/15mm eyepiece		○
	WF20×/10mm eyepiece		○
	WF25×/9mm eyepiece		○
	WF30×/8mm eyepiece		○
Objective	Zoom objective	0.7×-4.5×	●
	Auxiliary objective	2×, W.D.: 30mm	○
		1.5×, W.D.: 45mm	○
		0.5×, W.D.: 165mm	○
Zoom Ratio	1:6.3		●
Working Distance	100mm		●

Head Mount	76mm	●
Focusing Arm	Coarse focusing, focusing range 50mm	●
Pillar Stand	Pole height 240mm, pole diameter Φ32mm, with Clips, Φ95 black&White plate, Base size: 200×255×22mm, LED illumination	●
	Pole height 240mm, pole diameter Φ32mm, with Clips, Φ95 black&White plate, glass plate, Base size: 200×255×60mm, Halogen illumination	○
	Pole height 240mm, pole diameter Φ32mm, with Clips, Φ95 black&White plate, Base size: 205×275×22mm, no illumination	○
	Pole height 240mm, pole diameter Φ32mm, with Clips, Φ95 black&White plate, glass plate, Base size: 205×275×40mm, LED illumination	○
illumination	LED ring light, 56pcs LED lamps, Plastic	●
	Mounting Diameter: Φ61mm	●
	Input Power: DC12V, 2W,100-240V AC	●
	Color Temperature:8000K	●
	LED Luminance:0-12000 Lux	●
	LED Lifetime:50,000 hours	●
	Working Distance:30-150mm	●
C-Mount	0.35× C-mount	●
	0.5× C-mount	○
	1× C-mount	○
Package	1pc/1carton, 38.5cm*24cm*37cm, Net/Gross Weight: 4.5/5.5kg	●

Note: ● Standard Outfit, ○ Optional

Optical Parameters

Objective	Standard Objective/ W.D.100mm		0.5× Auxiliary Objective/ W.D.165mm		1.5× Auxiliary Objective/ W.D.45mm		2× Auxiliary Objective/ W.D.30mm	
	Mag.	FOV	Mag.	FOV	Mag.	FOV	Mag.	FOV
WF10×/20mm	7.0×	28.6mm	3.5×	57.2mm	10.5×	19mm	14.0×	14.3mm
	45.0×	4.4mm	22.5×	8.8mm	67.5×	2.9mm	90.0×	2.2mm
WF15×/15mm	10.5×	21.4mm	5.25×	42.8mm	15.75×	14.3mm	21.0×	10.7mm
	67.5×	3.3 mm	33.75×	6.6mm	101.25×	2.2mm	135.0×	1.67mm
WF20×/10mm	14.0×	14.3mm	7.0×	28.6mm	21.0×	9.5mm	28.0×	7.1mm
	90.0×	2.2mm	45.0×	4.4mm	135.0×	1.5mm	180.0×	1.1mm
WF25×/9mm	17.5×	12.8mm	8.75×	25.6mm	26.25×	8.5mm	35.0×	6.4mm
	112.5×	2.0mm	56.25×	4.0mm	168.75×	1.3mm	225.0×	1.0mm
WF30×/8mm	21.0×	11.4mm	10.5×	22.8mm	31.5×	7.6mm	42.0×	5.7mm
	135.0×	1.7mm	67.5×	3.5mm	202.5×	1.2mm	270.0×	0.89mm

Sample Image

