









BSC-200 Comparison Microscope



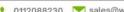
Introduction

BSC-200 Comparison Microscope can observe two objects with a pair of eyepiece at the same time. Using field cutting, jointing and overlapping methods, two (or more) objects can be compared together. BSC-200 has clear image, high resolution and can identify tiny differences between objects accurately. It is basically used in forensic science, police schools and related departments.

Feature

- 1. Can be used for Left or Right single view field observation, overlapping view field observation, segmentation and jointing view field observation.
- 2. With inner changeable objectives, right and left objectives can be adjusted to consistency.
- 3. Stage size: 100mm×100mm, Moving range: The transverse, longitudinal, vertical directions are 0-54mm, horizontal rotation 0 $^{\circ}$ -360 $^{\circ}$, stage inclined to any direction of 0 $^{\circ}$ - 45 $^{\circ}$.
- 4. Two stages can be adjusted horizontally at the same time, moving range: 0-54mm.
- 5. Coarse lifting range of 0 60mm.
- 6. Equipped with 12V/50W air-cooled high power LED lamps, light intensity is adjustable.
- 7. Polarizing attachment, used to eliminate stray and glare light.





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- 8. Coaxial illumination device(optional), used for observation of deep hole, small hole and smooth surface.
- 9. With C-mount video attachment, digital cameras can be used for synchronous observation, images and videos can be saved and analyzed.
- 10 With Photo attachment, Nikon or Olympus DLSR cameras can be used to take pictures.



Application

BSC-200 is the ideal device for Public Security Bureaus, procuratorates, courts and their colleges to compare and identify the bullet, tool marks, fingerprints, seals, text, signatures, drawings and bank notes. It also can be applied to electronic, biochemical, agriculture, archaeology, banking, Customs and industries or sectors who have the requirements to detect or identify objects.

Specification

Item	Specification				
Total Optical Magnification	9.6×~115×				
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupilary Distance 55-75mm				
Eyepiece	Wide Field Eyepiece WF10×/ 22mm, diopter adjustment				
	Wide Field Eyepiece WF20×/ 12mm, diopter adjustment				
Comparison Mode	Left or Right single view field observation, overlapping view field observation, segmentation and jointing view field observation				
Objective	0.8×, 1.25×, 2×, 3.2×, 4.8× changeable objective				
Auxiliary Objective	$0.4\times$, $2\times$ Auxiliary Objective (with auxiliary objective, the total magnification can be extended to $3.8\times^{\circ}230\times$)				
Chana	Manually operate stage, moving range: X-54mm, Y-54mm, Z-54mm				
Stage	Two stage horizontal moving range: 54mm, The coarse vertical lifting range: 60mm				
	High power LED illumination, brightness and angel adjustable				
Illumination	Side illumination, 12V/50W air cooled reflecting lamps				
	Coaxial illumination device	0			
Accessories	Bullet Holder				
	Polarizing attachment	•			
	Blue, Green and red filters	•			
	Photo attachment for DSLR digital camera(Nikon, Canon)	•			
	C -mount for microscope digital cameras	•			















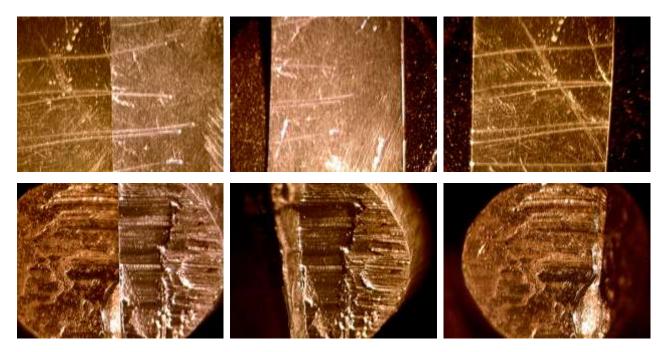




Eyepieces and Objective Parameters

Objective	Bridge -	Magnification/FOV(mm)		Video Attachment	Photo	Working Distance	
		10× Eyepiece	20× Eyepiece	video Attachment	Attachment	(mm)	
0.8×	1.2×	9.6×/φ28	19.2×/φ17	3×	2.5×	101	
1.25×		15×/φ18	30×/φ11				
2×		24×/φ11	48×/φ7				
3.2×		36×/ф7	77×/ф4.5				
4.8×		58×/φ4.2	115×/φ2.3				
Note: With 0.8× objective, 10× eyepiece, the magnification=0.8×*1.2×*10×=9.6×							

Sample Image









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