

BSC-300 Comparison Microscope



Introduction

BSC-300 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 two) objects can be compared together. BSC-300 has clear image, high resolution and can identify tiny differences between objects accurately. BSC-300 has excellent optical performance and complete comparison function, it is suitable for various comparison demands, so it has a very wide range of applications. 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 sextuple nosepiece, comes with 0.5x, 1x, 1.5x, 2x, 4x, 6x objectives, nosepiece has stop clicks, comfortable to change the objectives.
3. Stage size: 100mm×100mm, Moving range: The transverse, longitudinal, vertical directions are 0-62mm, horizontal rotation 0° -360°, stage inclined to any direction of 0° - 60°.
4. Two stages can be adjusted horizontally at the same time, moving range: 0-60mm.
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.
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.



Bullet Holder



Filters



Polarizing Attachment

Application

BSC-300 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	BSC-300
Total Optical Magnification	5x~120x	•
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 55-75mm	•
Eyepiece	Wide Field Eyepiece WF10x/ 22mm, diopter adjustment	•
	Wide Field Eyepiece WF20x/ 12mm, diopter adjustment	•
Field of View	Φ2mm~Φ60mm	
Comparison Mode	Left or Right single view field observation, overlapping view field observation, segmentation and jointing view field observation	•
Objective	0.5x, 1x, 1.5x, 2x, 4x, 6x	•
Auxiliary Objective	0.4x, 2x Auxiliary Objective (with auxiliary objective, the total magnification can be extended to 2x ~ 240x)	○
Nosepiece	Sextuple nosepiece	•
Stage	Manually operate stage, moving range: X-54mm, Y-54mm, Z-54mm	•
	Two stage horizontal moving range: 60mm, The coarse vertical lifting range: 60mm	•
Illumination	High power LED illumination, brightness and angel adjustable	•
	Side illumination, 12V/50W air cooled reflecting lamps	•
	Polarizing attachment	•
	Coaxial illumination device	○
Accessories	Bullet Holder	•
	Polarizing attachment	•
	Blue, Green and red filters	•
	Photo attachment for DSLR digital camera(Nikon, Canon)	•
	C-mount for microscope digital cameras	•
Dimension	39(L) x38(W) x70(H)cm	•

Eyepieces and Objective Parameter

Objective	Magnification/FOV(mm)		Working Distance (mm)
	10× Eyepiece	20× Eyepiece	
0.5×	5×/Φ60	10×/Φ24	143
1×	10×/Φ21	20×/Φ12	102
1.5×	15×/Φ15	30×/Φ8	
2×	20×/Φ11	40×/Φ6	
4×	40×/Φ6	80×/Φ3	
6×	60×/Φ3.9	120×/Φ2	

Sample Image

