

# XZB-5B



## About Comparison Microscope

By optical zoom, comparison microscope is used for macro of micro comparison of two or more objects in cutting or overlapping view field through one group of eyepieces observing left and right objective view fields. As clear imaging, high resolution, so you can identify the small differences

## Brief Introduction of Comparison Microscope XZB-5B

### 1. Advantages:

Comparison microscope XZB-5B successfully solved the technical problems of comparing ridge width and consistency adjustable (this technology is included in the national technology security projects), XZB-5B is an upgraded product improved on XZB-5 model, which not only retains excellent technical performances of XZB-5, but also increases its image quality and magnification, increases illumination ways and a variety of accessories, shape, structure more beautiful, reasonable, reliable, and makes the instrument fully plays its functions of comparison and identification.

### 2. Applications:

This product is an ideal instrument for public security, inspection, court on document retrieval, marks checking and school teaching (used for bullets, tool marks, fingerprints, seals, texts, coins comparison, and identification), but also for industries and sectors such as banks, archaeology, electronics, biology, agriculture which need to identify on objects to use.

### **3. Illuminations:**

- 3-1. Selecting and adjusting of magnification
- 3-2. Photographing and video recording
- 3-3. Polarized light – traces, scratch marks comparison
- 3-4. Coaxial light – deep holes, smooth surface illumination
- 3-5. Transmission light illumination – photographic film, transparent or translucent objects comparison

### **4. Accessories:**

CCD camera  
Camera  
Camera tube  
Tightening ring  
System tightly twisted screw  
Twist lock  
Rotary, tilting working stage  
Bullet holder  
Magnification corrector  
50W strong light source  
Cold light source optic fiber  
Cold light source lens  
Block filter  
0.4X low magnification objective lens  
Polarization optical devices  
Coaxial light  
Transmission illuminator

### **5. Technical parameters :**

Optic magnification range: 3.1X-120X  
Eyepieces: 10X, 16X, 25X  
Objectives: 0.64X, 1X, 1.6X, 2.5X, 4X (additional objectives for optional)  
Bridge body magnification: 1.2X  
Photographing magnification: interface magnifies 3X (Optional)  
Video magnification: interface magnifies 0.44X  
Working distance: 100mm  
Objective stage size: 70mm\*70mm  
Moving range: horizontal 51mm, longitude 51mm, vertical 54mm  
Horizontal moving range: 45mm  
Coarse elevating range: 49mm  
Illuminating: 12V50w halogen, adjustable, air-blast light source  
Cold light source: 12V50W adjustable, Ø10mm  
Power source: 220V AC input, 12V DC stable voltage output, is fit for the international safety standard

<b>Spec</b>	<b>XZB-5B</b>	<b>XZB-5C</b>	<b>XZB-5D</b>
Optic magnification range	7.68X-120X		
Eyepiece	10X	WF10X, WF20X	CWF10X, CWF20X
Objective	0.64X, 1X, 1.6X, 2.5X, 4X (additional objectives 0.4X, 2X is optional)		
Bridge body magnification	1.2X		
Photographing magnification	interface magnifies 3X (Optional)		
Video magnification	interface magnifies 1X		Build in 3.0 Mega CCD
Working Distance	100mm		
Stage	70mm*70mm	90mm*90mm	90mm*90mm
Move Range	horizontal 51mm, longitude 51mm, vertical 54mm		
Horizontal moving range	45mm		
Coarse elevating range	49mm		
Illumination	12V/50W air-blast light source		5W LED Source
Cold light source	12V/50W	150W adjustable cold light source	150W adjustable cold light source
Power Source	220V AC Input, 12V DC output		