


MIC-S8 Stereo Microscope



MIC-S8 series high-contrasted coaxial illumination zoom microscopes

Main technology Specifications:

- Eyepieces observing magnification: 11X~75X (match WFH10X/22 eyepieces), the maximal magnification is 450X (match 30X eyepieces)
- Range of zoom objective magnification: 1.1X~7.5X, working distance 73mm
- Binocular observing tubes inclined 45°
- The range of adjusting the diopter is ± 6
- Interpupillary distance adjustment range 52mm~76mm
- Adjusting high lightness long life LED coaxial illumination
- The measurement to match between the support and the main body is $\Phi 45\text{mm}$
- 2X auxiliary objective to be selected

Standard specification:

	MIC-S8BC	MIC-S8BTC
Main body ZDB1175BC	●	
Main body ZDB1175BTC		●
Eyepieces WFH10X/22	●●	●●
Eye shields	●●	●●
Stand SD11J-D	●	●
LED illuminator MLC1000	●	●

Main optical data:

(1). Binocular eyepieces observing

Eyepieces	Auxiliary objective	Main body	With 2X auxiliary objective
10X/ $\Phi 22$	Total magnification	11X~75X	22X~150X
	Field of video(mm)	$\Phi 20 \sim \Phi 2.93$	$\Phi 10 \sim \Phi 1.47$
15X/ $\Phi 17$	Total magnification	16.5X~112.5X	33X~225X
	Field of video(mm)	$\Phi 15.45 \sim \Phi 2.27$	$\Phi 7.73 \sim \Phi 1.13$
20X/ $\Phi 14$	Total magnification	22X~150X	44X~300X
	Field of video(mm)	$\Phi 12.73 \sim \Phi 1.87$	$\Phi 6.37 \sim \Phi 0.93$
30X/ $\Phi 9$	Total magnification	33X~225X	66X~450X
	Field of video(mm)	$\Phi 8.18 \sim \Phi 1.2$	$\Phi 4.1 \sim \Phi 0.6$
Working distance(mm)		73	31

Magnification range of zoom body 1.1X~7.5X

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Note: a. Total magnification=Eyepieces magnification × Zoom body magnification

For example: Matching 10X eyepieces, on zoom body's scale locating 3,

Total magnification=10 × 3 =30X

b. Field of video = The diameter of field of eyepieces ÷ Zoom body magnification

For example: Matching 10X eyepieces, on zoom body's scale locating 3,

Field of video =22÷3=Φ7.33mm

(2). Video displaying

Auxiliary objective	CCD adapter		
Main body (Without auxiliary objective)		0.5X	1X
	Optical magnification	0.55X~3.75X	1.1X~7.5X
	Field of video (mm)	6.55X8.73~0.96X1.28	3.27X4.36~0.48X0.64
	Working distance(mm)	73	
2X	Optical magnification	1.1X~7.5X	2.2X~15X
	Field of video (mm)	3.27X4.36~0.48X0.64	1.64X2.18~0.24X0.32
	Working distance(mm)	31	
Magnification range of zoom body 1.1X~7.5X			

Note: a. Field of video is based on 1/3" CCD camera.

b. Video magnification=Total optical magnification × Digital magnification

Total optical magnification=CCD adapter magnification × Zoom body magnification

For example: CCD adapter is 1X, on zoom body's scale locating 2,

Total optical magnification=1×2=2X

Digital magnification = The size of display screen diagonal ÷ The size of CCD camera plate

diagonal

The size of CCD camera plate diagonal:

1/3" CCD: 6mm; 1/2" CCD: 8mm; 2/3" CCD: 11mm.

For example:


14" monitor matches 1/3" CCD camera's digital magnification=14×25.4÷6=59.27

17" monitor matches 1/3" CCD camera's digital magnification=17×25.4÷6=71.97

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Accessories:

CCD adapter, Digital camera junction and Photo adapter:

	<p>Model: C0.5、 C1.0 CCD adapter, DT01 Digital camera junction and PT01 Photo adapter</p> <p>Introduction: Using CCD adapter, DT01 digital camera junction or PT01 photo adapter match with trinocular observing head, can obtain photomicrograph, video displaying, take pictures using digital camera. Selecting 0.5X or 1.0X CCD adapters can change the total magnification of video displaying.</p>
<p>CCD adapter+Photo adapter</p>	

CDM1.0 1X stage micrometer CCD adapter:

 <p>CDM1.0 1X stage micrometer CCD adapter</p>	<p>Model: CDM1.0 1X stage micrometer CCD adapter</p> <p>Introduction: Having 0.1mm/scale cross stage micrometer, cross stage micrometer and the image show in display at the same time, can do length measure directly. It can do precise length measure using software.</p> <p>Install: Twist this part to screw thread on top of CCD adapter, and directly twist CCD camera to C-mount top of this part.</p>	<p>CDM1.0 exemplify</p>  <p>C1.0+CDM1.0+CCD</p>
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Eyepieces, divisional eyepieces and Stage micrometer:

	<p>10X wide field eyepiece WFH10X (FN Φ22mm)</p> <p>15X wide field eyepiece SWF15X (FN Φ17mm)</p> <p>20X wide field eyepiece SWF20X (FN Φ14mm)</p> <p>30X wide field eyepiece SWF30X (FN Φ9mm)</p>
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Eyepiece	
	<p>10X divisional eyepiece WFH10X-CM0.1XY (0.1mm/scale) 15X divisional eyepiece SWF15X-CM0.05XY (0.05mm/scale) 20X divisional eyepiece SWF20X-CM0.05XY (0.05mm/scale)</p>
Divisional eyepiece	
	<p>a line stage micrometer CML0.01(0.01mm/scale) a cross not with scale micrometer CM a cross horizontal with scale micrometer CM0.1X(0.1mm/scale), CM0.05X(0.05mm/scale) a cross vertical and horizontal with scale micrometer CM0.1XY(0.1mm/scale), CM0.05XY(0.05mm/scale) a gridding board CMS0.2(0.2mm/scale), CMS0.5(0.5mm/scale)</p>
Stage micrometer	

Stage:

	<p>Model: S10086 Mechanical stage</p> <p>Introduction: ·Put the object on the mechanical stage for expediently moving specimen in XY directions, easily finding images.</p> <ul style="list-style-type: none"> ·The moving range of X direction 100 mm ·The moving range of Y direction 86 mm
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Note: “●” in the table is standard attachment. “○” is optional accessories.

Design change: To keep pace with technological advances, we have reserved the right to make design modification and changes without notice.