

## Stereo Microscope with Magnification 7X - 45X



iStereo-112B

### Features:

- ◆ Includes iStereo-112B (binocular) and iStereo-112T (trinocular).
- ◆ Non-flash in focus course while from high to low magnification.
- ◆ New optical design, recur the best resolution and true color image.
- ◆ Large depth of view, width of visual fields, super long working distance, high cost effective.
- ◆ Extensively applied in field of modern biology research, semiconductor and other science and technology industry.

- Main data:
- Total magnification 7X~45X (standard outfits), extend total magnification: 270X
  - Zoom objective magnification 0.7X~4.5X, working distance 118mm
  - With high eye point and wide field eyepiece SWH10X( $\Phi$ 23mm)
  - Binocular/ Trinocular eyetubes inclined 45° and main body can be rotated 360°
  - The range of adjusting the diopter is  $\pm 6^\circ$
  - Interpupillary distance adjustment range 52mm~76mm
  - The range of adjusting the focus is 100mm (round post is 50mm), the diameter of the center working stage is  $\Phi$ 95mm
  - The measurement to match between the support and the main body is  $\Phi$ 76mm
  - The distance between from the post center to the main body center is 140mm
  - The size of the round post is  $\Phi$ 25mm
  - Illuminators : the low illuminator is the transmitted illumination of the fluorescent lamp (5W), the up illuminator is the reflected illumination of the halogen lamp (6V、10W)

### Optical Specifications:

Eyepiece	Item	Main body	Specification of different auxiliary objective				
			0.37X	0.5X	0.7X	1.5X	2X
10X	Total Mag.	7X~45X	2.59X~16.65X	3.5X~22.5X	4.9X~31.5X	10.5X~67.5X	14X~90X
	FOV(mm)	$\Phi$ 32.8~ $\Phi$ 5.1	$\Phi$ 88.8~ $\Phi$ 13.8	$\Phi$ 65.7~ $\Phi$ 10.2	$\Phi$ 46.9~ $\Phi$ 7.3	$\Phi$ 21.9~ $\Phi$ 3.4	$\Phi$ 16.4~ $\Phi$ 2.6
15X	Total Mag.	10.5X~67.5X	3.89X~25X	5.3X~33.8X	7.4X~47.2X	15.8X~101.3X	21X~135X
	FOV(mm)	$\Phi$ 24.3~ $\Phi$ 3.8	$\Phi$ 65.6~ $\Phi$ 10.2	$\Phi$ 48.6~ $\Phi$ 7.6	$\Phi$ 34.7~ $\Phi$ 5.4	$\Phi$ 16.2~ $\Phi$ 2.5	$\Phi$ 12.1~ $\Phi$ 1.9
20X	Total Mag.	14X~90X	5.18X~33.3X	7X~45X	9.8X~63X	21X~135X	28X~180X
	FOV(mm)	$\Phi$ 20~ $\Phi$ 3.1	$\Phi$ 54.1~ $\Phi$ 8.4	$\Phi$ 40~ $\Phi$ 6.2	$\Phi$ 28.6~ $\Phi$ 4.4	$\Phi$ 13.3~ $\Phi$ 2.1	$\Phi$ 10~ $\Phi$ 1.6
30X	Total Mag.	21X~135X	7.77X~50X	10.5X~67.5X	14.7X~94.5X	31.5X~202.5X	42X~270X
	FOV(mm)	$\Phi$ 12.9~ $\Phi$ 2	$\Phi$ 34.7~ $\Phi$ 5.4	$\Phi$ 25.7~ $\Phi$ 4	$\Phi$ 18.4~ $\Phi$ 2.9	$\Phi$ 8.6~ $\Phi$ 1.6	$\Phi$ 6.4~ $\Phi$ 1
WD(mm)		110	275	195	145	50	35

### NOTES:

1. Please use lengthened round post when using 0.37X objective, track stands cannot be used.
2. When 0.5X or lower magnification objective applied, track stands cannot be used.