

## Stereo Microscope with Magnification 6X - 55X



iStereo-114T

### Main data:

- Total magnification(standard outfits): 6X~55X, Extend total magnification:330X
- Zoom objective magnification: 0.6X~5.5X, The working distance is 108mm.
- With wide field and high eye point eyepiece SWH10X( $\Phi$ 23mm)
- Trinocular/Binocular inclined 35° and main body can be rotated 360°
- The range of adjusting the diopter is  $\pm 6$
- Interpupillary distance adjustment range 52mm~76mm
- The range of adjusting the focus is 50mm(the square post is 100mm).
- 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 down illuminator is the transmitted illumination of the fluorescent lamp(5W), The up illuminator is the reflected illumination of the halogen lamp(6V、10W).

### Features:

- ◆ Patented technology design
- ◆ Long working distance, large depth of field, large zoom ratio
- ◆ Trinocular main body can be match CCD (CMOS)camera, digital camera.

- ◆ Various eyepieces, divisional eyepieces and auxiliary objectives to be selected
- ◆ Available to match stands and universal stands, LED ring illuminator, ring fluorescent lamp, fiber and etc.
- ◆ Widely used in schools, biology engineering and science research, industry assembly for inspection, measurement and quality control

### Optical Specifications:

Eyepiece	Item	Main body	Specification of different auxiliary objective				
			0.37X	0.5X	0.7X	1.5X	2X
10X	Total Mag.	6X~55X	2.22X~20.4X	3X~27.5X	4.2X~38.5X	9X~82.5X	12X~110X
	FOV(mm)	$\Phi$ 38.3~ $\Phi$ 4.2	$\Phi$ 99.1~ $\Phi$ 10.8	$\Phi$ 76.7~ $\Phi$ 8.4	$\Phi$ 54.8~ $\Phi$ 6	$\Phi$ 25.6~ $\Phi$ 2.8	$\Phi$ 19.2~ $\Phi$ 2.1
15X	Total Mag.	9X~82.5X	3.33X~30.5X	4.5X~41.25X	6.3X~57.75X	13.5X~123.75X	18X~165X
	FOV(mm)	$\Phi$ 28.3~ $\Phi$ 3.1	$\Phi$ 76.6~ $\Phi$ 8.35	$\Phi$ 56.7~ $\Phi$ 6.2	$\Phi$ 40.5~ $\Phi$ 4.4	$\Phi$ 18.9~ $\Phi$ 2.1	$\Phi$ 14.2~ $\Phi$ 1.5
20X	Total Mag.	12X~110X	4.44X~40.7X	6X~55X	8.4X~77X	18X~165X	24X~220X
	FOV(mm)	$\Phi$ 23.3~ $\Phi$ 2.5	$\Phi$ 63.1~ $\Phi$ 6.9	$\Phi$ 46.7~ $\Phi$ 5.1	$\Phi$ 33.3~ $\Phi$ 3.6	$\Phi$ 15.6~ $\Phi$ 1.7	$\Phi$ 11.7~ $\Phi$ 1.3
30X	Total Mag.	18X~165X	6.66X~61.1X	9X~82.5X	12.6X~115.5X	27X~247.5X	36X~330X
	FOV(mm)	$\Phi$ 15~ $\Phi$ 1.6	$\Phi$ 40.5~ $\Phi$ 4.4	$\Phi$ 30~ $\Phi$ 3.3	$\Phi$ 21.4~ $\Phi$ 2.3	$\Phi$ 10~ $\Phi$ 1.1	$\Phi$ 7.5~ $\Phi$ 0.8
WD(mm)		108	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.