

## Parallel Optical Zoom Stereo Microscopes with 8x to 80x



iStereo-121T

### Main data:

- Total magnification 8X~80X(standard outfits), extend total magnification:360X
- Parallel optics system, 0.8X~8X zoom body, 1X plane objective none aberrance , working distance 91 mm
- With wide field, high eye point and none aberrance 10X eyepieces (Φ22mm) Binocular/ Trinocular eye tubes inclined 45°
- The range of adjusting the diaper is  $\pm 6^\circ$
- Interpupillary distance adjustment range 50mm~76mm
- The range of adjusting the focus is 50mm(Using square post is 100mm), the diameter of the center working stage is Φ95mm
- The measurement to match between the support and the main body is Φ76mm
- The distance between from the post center to the main body center is 140mm
- The size of the round post is Φ25mm
- There are many magnification objectives, eyepieces, auxiliary illuminators
- etc. attachments and kinds of stands and universal stands to be selected

### Features:

- ◆ iStereo-121 (binocular) and iStereo-121T (trinocular)
- ◆ Parallel optical system, zoom body range: 0.8X~8X
- ◆ Non-flash in focus course while from high to low magnification, large depth of field, long working distance, available to attach various accessories.

◆ Widely used in science research, modern biology, medicine, environment, farming, police, microelectronics, semiconductors and etc which require high precision.

### Optical Specifications:

Eyepiece	Item	Specification of different auxiliary objective			
		0.5X	0.7X	1X	1.5X(Auxiliary)
10X (Std.)	Total Mag.	4X~40X	5.6X~56X	8X~80X	12X~120X
	FOV (mm)	Φ55~Φ5.5	Φ39.3~Φ3.93	Φ27.5~Φ2.75	Φ18.33~Φ1.83
15X	Total Mag.	6X~60X	8.4X~84X	12X~120X	18X~180X
	FOV (mm)	Φ42.5~Φ4.25	Φ30.36~Φ3.04	Φ21.25~Φ2.13	Φ14.17~Φ1.42
20X	Total Mag.	8X~80X	11.2X~112X	16X~160X	24X~240X
	FOV (mm)	Φ35~Φ3.5	Φ25~Φ2.5	Φ17.5~Φ1.75	Φ11.67~Φ1.17
30X	Total Mag.	12X~120X	16.8X~168X	24X~240X	36X~360X
	FOV (mm)	Φ22.5~Φ2.25	Φ16.1~Φ1.61	Φ11.25~Φ1.13	Φ7.5~Φ0.75
WD (mm)		186	135	91	40

### Notes:

1. Please use 1X plane objective together when using 1.5X auxiliary objective.
2. When 0.5X or lower magnification auxiliary objective applied, track stands can not be used.

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