

Stereo-Zoom Microscope Optics Data

Eyepieces	Objective	Objective zoom setting .7X - 4.5X			
		1.0X	0.5X	0.7X	2.0X
10X	Total Magnification (Range)	7X~45X	3.5X~22.5X	4.9X~31.5X	14X~90X
	Field of View Diameter (mm)	32.8~5.1	65.7~10.2	46.9~7.3	16.4~2.6
15X	Total Magnification (Range)	10.5X~67.5X	5.3X~33.8X	7.4X~47.2X	21X~135X
	Field of View Diameter (mm)	24.3~3.8	48.6~7.6	34.7~5.4	12.1~1.9
20X	Total Magnification (Range)	14X~90X	7X~45X	9.8X~63X	28X~180X
	Field of View Diameter (mm)	20~3.1	40~6.2	28.6~4.4	10~1.6
25X	Total Magnification (Range)	21X~135X	10.5X~67.5X	14.7X~94.5X	42X~270X
	Field of View Diameter (mm)	12.9~2	25.7~4	18.4~2.9	6.4~1
	Working Distance (mm)	118	195	145	35

Trinocular Microscope Optics Data

1/2" CCD Camera, 15" LCD Monitor

0.3X Video Adapter					
Accessory Lens	Magnification with zoom setting @ 0.7	FOV with zoom @ 0.7 (mm)	Magnification with zoom setting @ 4.5	FOV with zoom @ 4.5 (mm)	Focal Length (mm)
None	10X	38.1	64.3X	5.9	118
0.5	5X	76.2	32.1X	11.9	195
0.7	7X	54.4	45X	8.5	145
2.0	20X	19	128.6X	3	35
0.5X Video Adapter					
Accessory Lens	Magnification with zoom setting @ 0.7	FOV with zoom @ 0.7 (mm)	Magnification with zoom setting @ 4.5	FOV with zoom @ 4.5 (mm)	Focal Length (mm)
None	16.7X	22.9	107.2X	3.6	118
0.5	8.3X	45.7	53.6X	7.1	195
0.7	11.7X	32.7	75X	5.1	145
2.0	33.3X	11.4	214.3X	1.8	35
1.0X Video Adapter					
Accessory Lens	Magnification with zoom setting @ 0.7	FOV with zoom @ 0.7 (mm)	Magnification with zoom setting @ 4.5	FOV with zoom @ 4.5 (mm)	Focal Length (mm)
None	33.3X	11.4	214.3X	1.8	118
0.5	16.7X	22.9	107.2X	3.6	195
0.7	23.3X	16.3	150X	2.5	145
2.0	66.7X	5.7	428.6X	0.9	35