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Series Monocular Zoom
Stereo Video Microscope



SZ65

0.6-5.0X, standard C mount, 1X C mount
and 1X objective, working distance is 86mm.
Different magnification CCD adapter
and auxiliary objective optional.
It can be equipped with ring light source
or coaxial light source.

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Monocular Digital Video Microscope



High Resolution High Contrast imaging

Wide range magnification, can reach 0.054-180x

Parallel Infinity Optical System

High resolution lens adopt building block system structure.
Parallel infinity optical system.
0.6-5.0X zoom, 1:8.3 big ratio



Optical Parameter

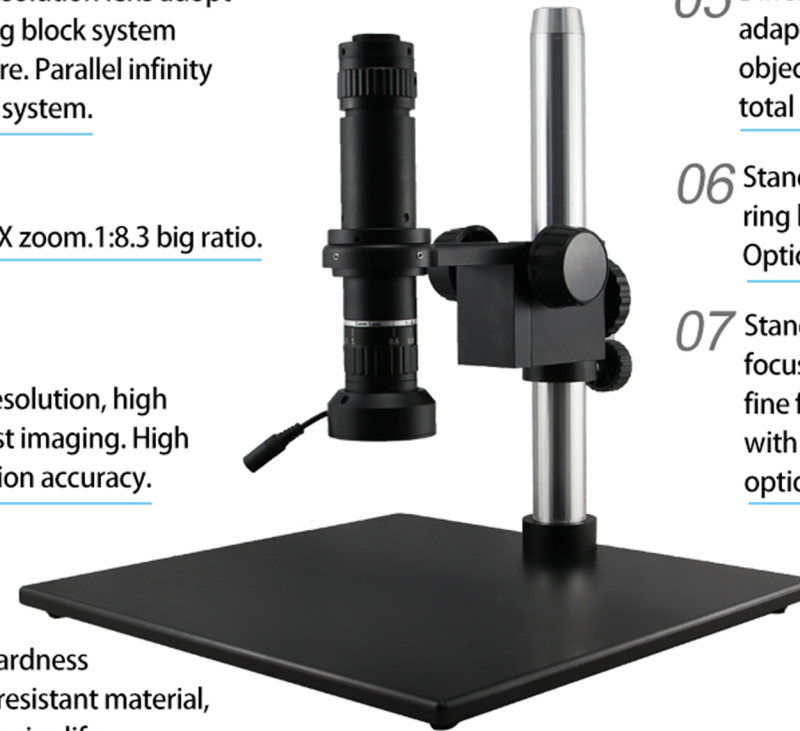
Optical Magnification	0.6-5.0X, 1:8.3 ratio
Working Distance	86mm
Lens Mount	Standard C Mount
FOV	8X6-0.9X0.7mm (for 1/3" Camera)
Base Size of Stand	330*300mm
Height of Stand	318mm
Travel Distance of Stand	50mm
Center Distance of Stand	145mm
Light Source	12V.5W LED ring light. Brightness Adjustable

Optical Parameter

Objective		CCD Adapter							
		0.3X	0.4X	0.5X	0.75X	1X	1.5X	2.0X	3X
1.0X (standard) /WD:86mm	Mag.	0.18X -1.5X	0.24X -2.0X	0.3X -2.5X	0.45X -3.75X	0.6X -5.0X	0.9X -7.5X	1.2X -10.0X	1.8X -15X
	FOV(mm)	26X20 -3X2	20X15 -2X1.8	16X12 -1.9X1.4	11X8 -1.3X0.9	8X6 -0.9X0.7	5X4 -0.6X0.5	4X3 -0.5X0.36	2.6X2 -0.3X0.2
0.3X /WD: 270MM	Mag.	0.05X -0.45X	0.07X -0.6X	0.09X -0.75X	0.14X -1.13X	0.18X -1.5X	0.27X -2.25X	0.36X -3X	0.54X -4.5X
	FOV(mm)	96X72 -10.6X8	68X51 -8X6	53X40 -6.4X4.8	34X26 -4X3.1	26X20 -3.2X2.4	18X13 -2X1.6	13X10 -1.6X1.2	9X6.6 -1.1X0.8
0.5X/WD: 160MM	Mag.	0.09X -0.75X	0.12X -1X	0.15X -1.25X	0.225X -1.875X	0.3X -2.5X	0.45X -3.75X	0.6X -5X	0.9X -7.5X
	FOV(mm)	53X40 -6.4X4.8	40X30 -4.8X3.6	32X24 -3.8X2.8	21X16 -2.6X1.9	16X12 -1.9X1.4	11X8 -1.3X0.9	8X6 -0.9X0.7	5X4 -0.6X0.5
0.6X/WD: 130MM	Mag.	0.22X -0.9X	0.144X -1.2X	0.18X -1.5X	0.27X -2.25X	0.36X -3X	0.54X -4.5X	0.72X -6X	1.08X -9X
	FOV(mm)	22X16 -5.3 X4	33X25 -4X3	26X20 -3X2	18X13 -2X1.6	13X10 -1.6X1.2	9X6.6 -1.1X0.8	6.6X5.1 -0.8X0.6	4.4X3 -0.5X0.4
1.5X/WD: 50MM	Mag.	0.27X -2.25X	0.36X -3X	0.45X -3.75X	0.675X -5.625X	0.9X -7.5X	1.35X -11.25X	1.8X -15X	2.7X -22.5X
	FOV(mm)	18X13 -2X1.6	13X10 -1.6X1.2	11X8 -1.3X0.9	7X5.3 -0.89X0.6	5X4 -0.6X0.5	3.5X2.6 -0.4X0.3	2.6X2 -0.3X0.24	1.7X1.3 -0.2X0.1
2.0X/WD: 39MM	Mag.	0.36X -3X	0.48X -4X	0.6X -5.0X	0.9X -7.5X	1.2X -10X	1.8X -15X	2.4X -20X	3.6X -30X
	FOV(mm)	13X10 -1.6X1.2	10X7.5 -1.2X0.9	8X6 -0.9X0.7	5X4 -0.6X0.5	4X3 -0.5X0.36	2.6X2 -0.3X0.2	2X1.5 -0.2X0.18	1.3X1 -0.16X0.12
Zoom Body:0.6-5.0X									
Remark: (1) Total magnification of lens = Magnification of zoom body × CCD adapter magnification × Objective magnification (2) FOV= the chip size of CCD / total Optical Magnification The range of Field of View is base on 1/3" CCD Camera									

Main Feature

- 01 High resolution lens adopt building block system structure. Parallel infinity optical system.
- 02 0.6-5.0X zoom. 1:8.3 big ratio.
- 03 High resolution, high contrast imaging. High repetition accuracy.
- 04 High hardness wear - resistant material, long service life.
- 05 Different magnification CCD adapter and auxiliary objective can reach different total magnification and FOV.
- 06 Standard light is 12V 5W LED ring light. Coaxial light or Optical fiber optional.
- 07 Standard stand is coarse focus post stand. Track stand, fine focusing stand and stand with transmitted light optional.
- 08 Widely used in electrical equipment, semiconductor, LCD, LED observation and detection.



Accessory Optional

CCD Adapter	
C6503	0.3X CCD adapter, standart C mount
C6505	0.5X CCD adapter, standart C mount
C65067	0.67X CCD adapter, standart C mount
C6510	1.0X CCD adapter, standart C mount(Standard adapter)
C6515	1.5X CCD adapter, standart C mount
C6520	2.0X CCD adapter, standart C mount
C6530	3.0X CCD adapter, standart C mount



Objective	
AW6503	0.3X, Use for 1X objective, WD: 270mm
AW6505	0.5X, Use for 1X objective, WD: 160mm
AW6506	0.6X, Use for 1X objective, WD: 130mm
AW6510	1X, Standard objective, WD: 86mm
AW6515	1.5X, Use for 1X objective, WD: 50mm
AW6520	2.0X, Use for 1X objective, WD: 39mm

Optional Illumination

