

MICROSCOPE OPTICAL DATASHEET

RZ-7

Auxiliary Lens	Working Distance (mm)	Eyepieces					
		10X(Φ22mm)		15X(Φ16mm)		20X(Φ12.5mm)	
		Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)
0.5X	220	4X-25X	55-8.8	6X-37.5X	40-6.4	8X-50X	31.2-5
Built-in (1X)	115	8X-50X	27.5-4.4	12X-75X	20-3.2	16X-100X	15.6-2.5
2X	45	16X-100X	13.8-2.2	24X-150X	10-1.6	32X-200X	7.8-1.3

RZ-8

1:6.3 Parallel Body

Auxiliary Lens	Working Distance (mm)	Eyepieces					
		10X(Φ22mm)		15X(Φ16mm)		20X(Φ12.5mm)	
		Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)
0.3X	276	2.4X-15X	100-16	3.6X-22.5X	66.7-10.67	4.8X-30X	50-8
0.5X	126	4X-25X	60-9.6	6X-37.5X	40-6.4	8X-50X	30-4.8
1X	78	8X-50X	30-4.8	12X-75X	20-3.2	16X-100X	15-2.4
2X	32.5	16X-100X	15-2.4	24X-150X	10-1.6	32X-200X	7.5-1.2

RZ-8

1:8 Parallel Body

Auxiliary Lens	Working Distance (mm)	Eyepieces					
		10X(Φ22mm)		15X(Φ16mm)		20X(Φ12.5mm)	
		Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)
0.3X	276	2.4X-19.5X	100-12.3	3.6X-29.3X	66.7-8.2	4.8X-39X	50-6.15
0.5X	126	4X-32.5X	60-7.4	6X-52X	40-4.9	8X-65X	30-3.7
1X	78	8X-50X	30-3.7	12X-97.5X	20-2.5	16X-130X	15-1.85
2X	32.5	16X-130X	15-1.85	24X-195X	10-1.23	32X-260X	7.5-0.9

RZ-8

1:10 Parallel Body

Auxiliary Lens	Working Distance (mm)	Eyepieces					
		10X(Φ 22mm)		15X(Φ 16mm)		20X(Φ 12.5mm)	
		Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)
0.3X	276	2.4X-24X	100-10	3.6X-36X	66.7-6.67	4.8X-48X	50-5
0.5X	126	4X-40X	60-6	6X-60X	40-4	8X-80X	30-3
1X	78	8X-80X	30-3	12X-120X	20-2	16X-160X	15-1.5
2X	32.5	16X-160X	15-1.5	24X-240X	10-1	32X-320X	7.5-0.75

RZ-J1








Auxiliary Lens	Working Distance (mm)	Eyepieces					
		10X(Φ 22mm)		15X(Φ 16mm)		20X(Φ 12.5mm)	
		Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)
0.5X	220	4X-25X	55-8.8	6X-37.5X	40-6.4	8X-50X	31.2-5
Built-in (1X)	115	8X-50X	27.5-4.4	12X-75X	20-3.2	16X-100X	15.6-2.5
2X	45	16X-100X	13.8-2.2	24X-150X	10-1.6	32X-200X	7.8-1.3

RZ-J2

Auxiliary Lens	Working Distance (mm)	Eyepieces					
		10X(Φ 22mm)		15X(Φ 16mm)		20X(Φ 12.5mm)	
		Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)
0.5X	197	3.5X-15X	51.4-12	5.25X-32.5X	40-9.3	7X-30X	31.4-7.3
Built-in (1X)	107	7X-30X	25.7-6	10.5X-45X	20-4.7	14X-60X	15.7-3.7
2X	50	14X-60X	12.8-3	21X-90X	10-2.3	28X-120X	7.9-1.8

Application

High-eyepoint and wide field 10X, 15X and 20X eyepieces are optional. 0.5X and 2X auxiliary lenses are optional. The optional 0.4X C-mount video coupler with adjusting screw is for connecting SZ2 Trinocular body and camera. With 50/50 True-Trinocular body, CCD images can be seen in binocular observation simultaneously. Different types of stands are available and optional.

	Name	Description
	Stereo Zoom Binocular Body	Zoom range 0.8-5X, zoom ratio 1:6.3, with two horizontal zoom knobs, 45°inclined observation tubes. Eyepieces are not included.
	Stereo Zoom Binocular Body, ESD	Binocular with ESD Safe
	Stereo Zoom Trinocular Body	Zoom range 0.8-5X, zoom ratio 1:6.3, with two horizontal zoom knobs, 45°inclined observation tubes. Eyepieces are not included.
	Stereo Zoom Trinocular Body, ESD	True-Trinocular with ESD SAFE
	10X Adjustable Eyepieces (Pair)	Wide Field 10X Eyepieces, with adjustable eyepiece diopter correction, 22mm field of view, the tube outside dia. 30mm.
	15X Adjustable Eyepieces (Pair)	Wide Field 15X Eyepieces, with adjustable eyepiece diopter correction, 16mm field of view, the tube outside dia. 30mm.
	20X Adjustable Eyepieces (Pair)	Wide Field 20X Eyepieces, with adjustable eyepiece diopter correction, 12.5mm field of view, the tube outside dia. 30mm.
	10X Adjustable Eyepiece with Reticle	10X Adjustable single eyepiece, with a single line 10mm/100 cross hair Reticle, 26mm dia.
	15X Adjustable Eyepiece with Reticle	15X Adjustable single eyepiece, with a single line 10mm/100 cross hair Reticle, 18mm dia.
	0.5X Auxiliary Lens	Outside dia. 60mm, working distance 220mm
	2X Auxiliary Lens	Outside dia. 60mm, working distance 45mm
	49.5mm Ring Adapter	Outside dia. 49.5mm, for RZ-8 and RZ-J Series Stereo Zoom Microscope.
	60mm Ring Adapter	Outside dia. 60mm, for RZ-8 and RZ-J Series Stereo Zoom Microscope.
	0.4X Video Coupler	0.4X C-Mount Video Coupler with adjustable screw