

AE-SZ650/680/SZ810

AE-SZ Series Stereo Zoom Microscope



Outstanding Ergonomic Design

- ◆ SZ680/810 35°viewing angle, SZ650 40°viewing angle, suitable for long-term sitting observation.
- ◆ 330mm×300mm big stand, high stability , apply to all kinds of anatomy of specimen.

Top Optical & Mechanical Design

- ◆ Greenough optical system, built-in rotating shaft zoom system.
- ◆ No tilting Image in left &right light path in complete pupillary distance , No dizziness feeling after long time observing.
- ◆ (patent number: 201320807246.0)
- ◆ Stereo angle for left & right light path is 12°, stereoscopic effect, large viewing field, high zoom ration.

Excellent Technology And Quality

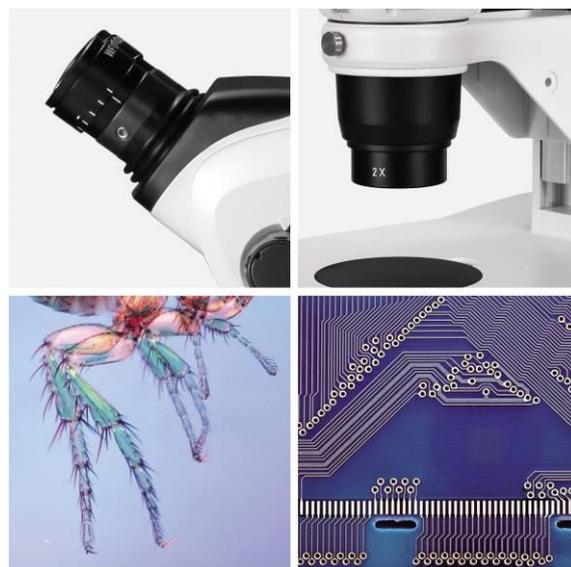
- ◆ High resolution, large depth of field, excellent color restoration and contrast.
- ◆ Operation comfortable(manufactured by high-precision machine, excellent assembly technology).
- ◆ High- end material(PC resin cover, aluminium alloy ,copper alloy parts, austenite stainless steel driving parts).

International Level Appearance Design

- ◆ Elegant shape , high-end and integrated appearance design, comfortable operation.

Various Accessories,Complete Function.

- ◆ Different video output connectors, built-in digital image model.
- ◆ Illumination optional: LED, halogen lamp, cold light source etc. (100V-240V wide voltage input).
- ◆ Various professional stands and operating attachments.



Photography System

Camera System





AE-SZ650BP



AE-SZ680/810BP



AE-SZ680/810TP



AE-SZ650B2L



AE-SZ680/810B2L



AE-SZ680/810T2L



User can limit the zoom range as per self-choice.



Rotating switching to video output and input, 100% light distribution.



Pillar Stand



Focusing Arm Stand

Main Technical Specification

Model	AE-SZ650	AE-SZ680	AE-SZ810
Objectives Zoom Range	0.7X-4.5X	0.68X-4.7X	0.65X-5.3X
Zoom Ratio	1 : 6.5	1 : 6.8	1 : 8.1
Field Diameter (mm)	Φ22	Φ23	Φ24
Working Distance (mm)	110	110	110
Stereo Angle (°)	12	12	12
Viewing Angle (°)	40	35	35
Interpupillary Adjustable Distance (mm)	50-75	50-75	50-75
Video Output Distribution	NO	100% (0:100 standard)	
		50:50 optional	
Guide Rail Stand Focusing Distance (mm)	80		
Pillar Stand Focusing Distance (mm)	115		

AE-SZ650 Series Objective & Eyepiece Parameter List (0.7×-4.5×)

Additional Objective		0.5X	1X(built-in)	2X
W.D		189mm	110mm	36mm
10XEyepiece/Φ22mm	Magnification	3.5~22.5	7~45	14~90
	Field dia. (mm)	62.9~9.8	31.43~4.89	15.71~2.44
15XEyepiece/Φ16mm	Magnification	5.25~33.75	10.5~67.5	21~135
	Field dia. (mm)	45.71~7.11	22.86~3.56	11.43~1.78
20XEyepiece/Φ12mm	Magnification	7~45	14~90	28~180
	Field dia.(mm)	34.28~5.33	17.14~2.67	8.57~1.33

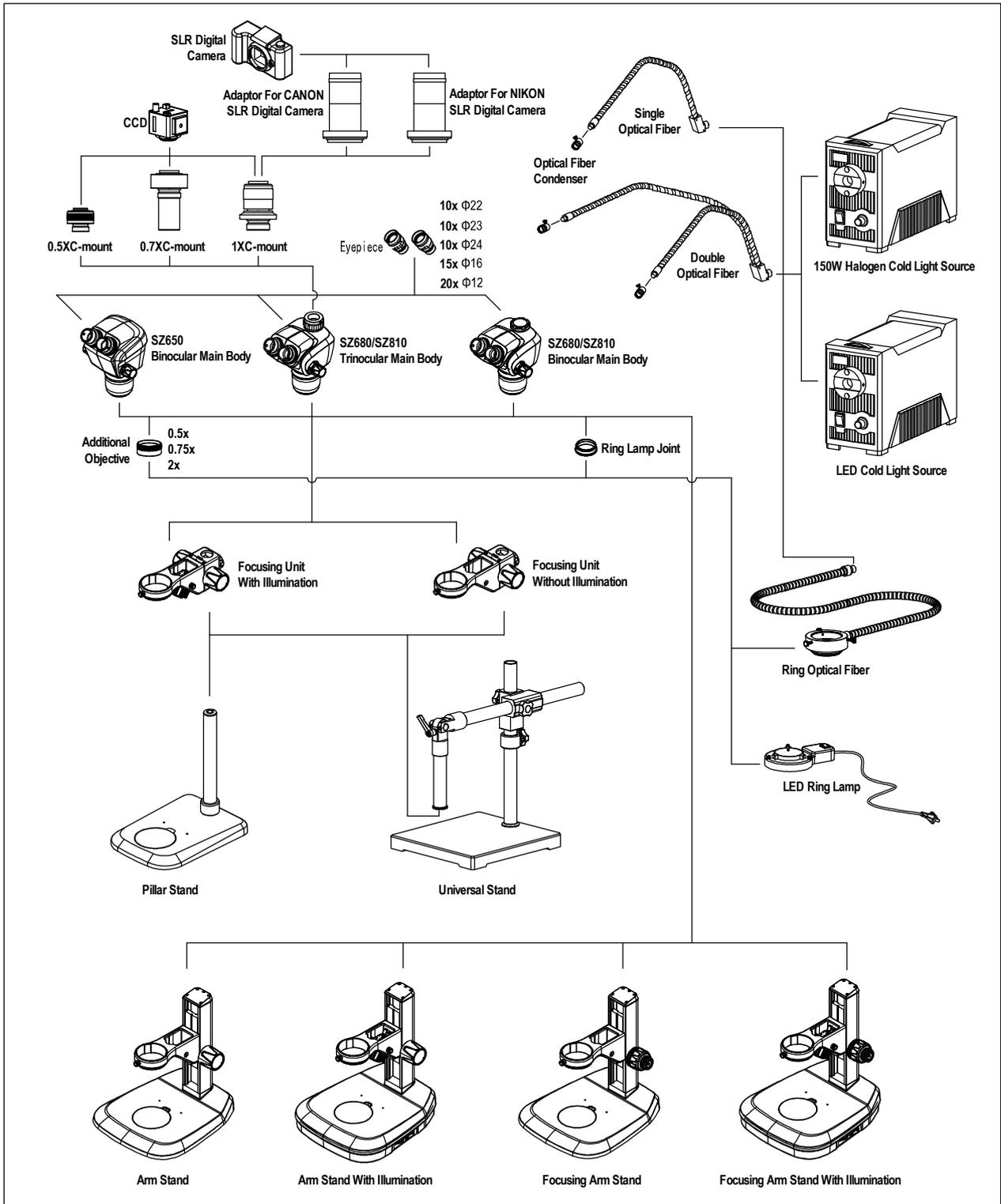
AE-SZ680 Series Objective & Eyepiece Parameter List (0.68×-4.7×)

Additional Objective		0.5X	1X(built-in)	2X
W.D		189mm	110mm	36mm
10XEyepiece/Φ23mm	Magnification	3.4~23.5	6.8~47	13.6~94
	Field dia. (mm)	67.65~9.79	33.82~4.89	16.91~2.46
15XEyepiece/Φ16mm	Magnification	5.1~35.25	10.2~70.5	20.4~141
	Field dia. (mm)	47.06~6.81	23.53~3.40	11.76~1.70
20XEyepiece/Φ12mm	Magnification	6.8~47	13.6~94	27.2~188
	Field dia.(mm)	35.294~5.11	17.65~2.55	8.82~1.28

AE-SZ810 Series Objective & Eyepiece Parameter List (0.65×-5.3×)

Additional Objective		0.5X	1X(built-in)	2X
W.D		189mm	110mm	36mm
10XEyepiece/Φ24mm	Magnification	3.3~25.5	6.6~51	13.2~102
	Field dia. (mm)	72.73~9.41	36.36~4.71	18.18~2.35
15XEyepiece/Φ16mm	Magnification	4.95~38.25	9.9~76.5	19.8~153
	Field dia. (mm)	48.48~6.27	24.24~3.14	12.12~1.57
20XEyepiece/Φ12mm	Magnification	6.6~51	13.2~102	26.4~204
	Field dia. (mm)	39.64~4.71	18.18~2.35	9.09~1.18

AE-SZ650/680/810 Series Zoom Stereo Microscope General Layout Diagram



AE-SZ650/680/810 Series Zoom Stereo Microscope Outfit

Items		AE-SZ650BP	AE-SZ650B2L	AE-SZ680BP	AE-SZ680B2L	AE-SZ680TP	AE-SZ680T2L	AE-SZ810BP	AE-SZ810B2L	AE-SZ810TP	AE-SZ810T2L
Main Body	Binocular	•	•	•	•			•	•		
	Trinocular					•	•			•	•
10XEyepiece/Φ22mm		••	••								
10XEyepiece/Φ23mm				••	••	••	••				
10XEyepiece/Φ24mm								••	••	••	••
15XEyepiece/Φ16 mm		oo	oo								
20XEyepiece/Φ12mm		oo	oo								
0.5X/0.75X/2X Objective		o	o	o	o	o	o	o	o	o	o
Focusing unit		•	•	•	•	•	•	•	•	•	•
No light		•		•		•		•		•	
Reflecting 3W LED			•		•		•		•		•
Transmitting 3W LED			•		•		•		•		•
Black & white Plate		•	•	•	•	•	•	•	•	•	•
Glass Plate			•		•		•		•		•
Arm stand		•	•	•	•	•	•	•	•	•	•
Pillar stand		o	o	o	o	o	o	o	o	o	o
Focusing Arm stand		o	o	o	o	o	o	o	o	o	o
Base (330×300mm)		•	•	•	•	•	•	•	•	•	•
C-mount 0.5X, 0.7X, 1X						o	o			o	o

Note: "•" In Table Is Standard Outfits, "o" Is Optional Accessories.

AE-SZ650/680/810 Series Zoom Stereo Microscope Size(mm)

