

# 6 SPECIFICATIONS

Item	Specifications		
1. Zoom microscope body. • SZX-ZB7	Zoom magnification variation: Left/right optical axis parallel method. Zoom drive: Horizontal knob system. Click stop for each zoom magnification: ON-OFF switching possible. <hr/> Zoom ratio values: 7 values (0.8X to 5.6X) Zoom magnification indication: 0.8, 1, 1.25, 1.6, 2, 2.5, 3.2, 4, 5, 5.6 <hr/> Objective mounting: Screw mounting into thread. <hr/> Aperture iris diaphragm control: Possible using the AS unit (SZX-AS).		
2. Observation tube • SZX-BI45 • SZX-TBI • SZX-TR30	SZX-BI45	SZX-TBI	SZX-TR30
	Binocular tube	Tilting binocular tube	Trinocular tube
	Tilting angle: 45°	Tilting angle: 5° to 45°	Tilting angle: 30°
	—		Light path selection: 2 steps (Binocular 100%, TV & Photo 80%/Binocular) 20%
	Interpupillary distance adjustment range: 50 to 76 mm		
	Eyepiece clamping knobs provided. Eyepieces: WHSZ series eyepieces.		
3. Standard stand • SZ2-ST	Rack-and-pinion using ball guide. Knob rotation tension adjustable. Focusing stroke 120 mm. Stage plate: Diameter 100 mm. Oblique illumination system (LSGA) mountable. Transmitted light illumination stand (SZ2-ILA) mountable.		
4. Objectives * The SZ2-ET auxiliary sleeve is required when the SZ2-ST is used.	Model		Working Distance
	DFPL0.5X-4		171 mm*
	DFPL0.75X-4		116 mm
	DFPLAPO1X-4		81 mm
	SZX-ACH1X		90 mm
	SZX-ACH1.25X		68 mm
	DFPL1.5X-4		45.5 mm
	DFPL2X-4		33.5 mm
5. Eyepieces * An eyepiece micrometer disk with a diameter of 24 mm and thickness of 1.5 mm can be inserted. (The disk area outside the field number is invisible.)	WHSZ10X FN 22 * WHSZ10X-H FN 22, with diopter adjustment ring * WHSZ15X-H FN 16, with diopter adjustment ring WHSZ20X FN 12.5 * WHSZ20X-H FN 12.5, with diopter adjustment ring * WHSZ30X-H FN 7, with diopter adjustment ring		
6. Operating environment	<ul style="list-style-type: none"> <li>• Indoor use</li> <li>• Altitude: Max. 2000 m</li> <li>• Ambient temperature: 5° to 40°C (41° to 104°F)</li> <li>• Maximum relative humidity: 80% for temperatures up to 31°C (88°F), decreasing linearly through 70% at 34°C (93°F), 60% at 37°C (99°F), to 50% relative humidity at 40°C (104°F)</li> </ul>		

# 7 OPTICAL PERFORMANCE

Objective	Eyepieces							
	WHSZ10X/10X-H		WHSZ15X-H		WHSZ20X/20X-H		WHSZ30X-H	
	Total Magnification	Actual Field (mm)						
DFPL 0.5X-4	4X - 28X	55 - 7.8	6X - 42X	40 - 5.7	8X - 56X	31.3 - 4.5	12X - 84X	17.5 - 2.5
DFPL 0.75X-4	6X - 42X	36.7 - 5.2	9X - 63X	26.7 - 3.8	12X - 84X	20.8 - 3.0	18X - 126X	11.7 - 1.7
DFPLAPO 1X-4	8X - 56X	27.5 - 3.9	12X - 84X	20 - 2.9	16X - 112X	15.6 - 2.2	24X - 168X	8.8 - 1.3
SZX-ACH 1X	8X - 56X	27.5 - 3.9	12X - 84X	20 - 2.9	16X - 112X	15.6 - 2.2	24X - 168X	8.8 - 1.3
SZX-ACH 1.25X	10X - 70X	22 - 3.1	15X - 105X	16 - 2.3	20X - 140X	12.5 - 1.8	30X - 210X	7.0 - 1.0
DFPL 1.5X-4	12X - 84X	18.3 - 2.6	18X - 126X	13.3 - 1.9	24X - 168X	10.4 - 1.5	36X - 252X	5.8 - 0.83
DFPL 2X-4	16X - 112X	13.8 - 1.9	24X - 168X	10-1.4	32X - 224X	7.8 - 1.1	48X - 336X	4.4 - 0.63