

Z650HR Zoom Stereo Microscope Series



UNITRON® Z650HR

Z650HR SPECIFICATIONS

VIEWING BODY

Optical System	Twin zooming objectives
Viewing Bodies	Trinocular 0/100 light split with 0.55x built-in c-mount lens
ESD Protection	Viewing body is made from anti-electrostatic materials
Anti-Mold	Anti-mold and airtight design
Magnification	0.6x to 5.0x (6x to 50x with 10x eyepieces)
Zoom Ratio	1:8
Working Distance	115mm (4.52 inches)
Viewing Angle	Inclined 30°
Interpupillary Distance Adjustment	55- 75mm
Camera Adaptability	0.55x built-in c-mount lens
Eyepieces (with diopter adjustment)	WF10x focusing eyepieces with built-in diopter adjustment (paired), 23mm field of view(eyepiece accepts a 26.5mm reticle) <i>Optional:</i> WF15x focusing eyepiece, 16mm field of view (eyepiece accepts 20mm reticle); WF20x focusing eyepiece with built-in diopter adjustment and eyeguard, 12.5mm field of view (Eyepiece does not accept a reticle); WF30x focusing eyepiece with built-in diopter adjustment and eyeguard, 8mm field of view
Auxiliary Objectives	0.5x (211mm working distance); 0.7x (137mm working distance); 2.0x (43.5mm working distance)

STANDS

Plain Focusing Stand	76mm focus mount diameter, 100mm focusing stroke, 240mm (l) x 290mm (d) x 318mm (h), 125mm black & white stage plate
Pole Stand	76mm focus mount diameter, 305mm pole height, 193mm focusing stroke, 240 (l) x 290mm (d) x 318mm (h), 125mm black & white stage plate
Coaxial Coarse/Fine Focusing LED Stand	76mm focus mount diameter, 100mm focusing stroke, 240mm (l) x 292mm (d) x 318mm (h), 280mm clear glass stage plate and black & white stage plate; variable 12v/4w transmitted and 12v/2w reflected LED illumination; Average LED life expectancy—7,000 hours; Color temperature: 6200° - 7000° Kelvin
LED Reflected/Transmitted Illuminated Stand	76mm focus mount diameter, 100mm focusing stroke, 240mm (l) x 292mm (d) x 318mm (h), 280mm clear glass stage plate and black & white stage plate; variable 12v/4w transmitted and 12v/2w reflected LED illumination; Average LED life expectancy—7,000 hours; Color temperature: 6200° - 7000° Kelvin
Diascopic Stand With Transmitted Illumination Attachment	76mm focus mount diameter, 100mm focusing stroke, 240mm (l) x 310mm (d) x 383mm (h), 280mm clear glass stage plate, tiltable mirror provides direct and oblique illumination with variable 6v20w halogen illuminator
Diascopic Stand With Fiber Optic Illumination	76mm focus mount diameter, 100mm focusing stroke, 240mm (l) x 310mm (d) x 383mm (h), 280mm clear glass stage plate, rear mount and adapter to accept 1/2" light guide Dolan Jenner MI-150 150w fiber optic illuminator with 15" light guide

OPTIONAL ACCESSORIES

Light Sources	LED & fluorescent ring lights, 150w or LED fiber optic illuminators
Digital Camera System	Micrometrics® CCD and CMOS cameras with image analysis software, Lumenera® cameras with Infinity Analyze software, or TCS Pro 500 with VMS3.6 Imaging software

Aux. Objective	Working Distance (mm)	EYEPIECE							
		WF10X/23		WF15X/16		WF20X/12		WF30X/8	
		Total Magnification	Visual Field (mm)	Total Magnification	Visual Field (mm)	Total Magnification	Visual Field (mm)	Total Magnification	Visual Field (mm)
	100	6-50X	38.3-4.6	9-75X	26.7-3.2	12-100X	20-2.4	18-150X	13.3-1.6
0.5X	220	3-25X	76.7-9.2	4.5-37.5X	53.3-6.4	6-50X	40-4.8	9-75X	26.7-3.2
0.7X	136	4.2-35X	54.8-6.6	6.3-52.5X	38.1-4.6	8.4-70X	28.6-3.4	12.6-105X	19.0-2.3
2X	45	12-100X	19.2-2.3	18-150X	13.3-1.6	24-200X	10-1.2	36-300X	6.7-0.8

ISO 9001 Certification

Design and production adheres to ISO9001 international quality standard.

ISO 14001 Certification

Design and production meets the requirements of international standard ISO 14001 for environmental management.