UNITRON®

Z650HR Zoom
Stereo Microscope Series







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Z650HR SPECIFICATIONS

VIEWING BODY

Optical System	Twin zooming objectives
Viewing Bodies	Trinocular 0/100 light split with 0.55x built-in c-mount lens, inclined 30°
Anti-Mold	Anti-mold and airtight design
Magnification	0.6x to 5.0x (6x to 50x with 10x eyepieces); Zoom Ratio: 8:1
Working Distance	115mm (4.52 inches)
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) *Optional:* 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 (220mm working distance); 0.7x (152mm working distance); 2.0x (43mm 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
LED Reflected/Transmitted Illuminated Stand With Coarse Or Coarse/Fine Focusing	76mm focus mount diameter, 100mm focusing stroke, 240mm (l) x 292mm (d) x 318mm (h), 100mm 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 Halogen Or Fiber Optic Illumination	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 either variable 6v20w halogen illuminator or rear mount and adapter to accept 1/2" light guide, Dolan Jenner MI-150 150w fiber optic illuminator with 15" light guide
Boom Stand	Universal boom stand with Delrin® inserts in focus block for extra smooth movements, horizontal arm with bonder port, base dimensions 10" X 10", 14-3/8" vertical post, 20-3/8" horizontal post
Ball Bearing Boom Stand	Ball bearing boom stand, horizontal arm with bonder port, base dimensions 10" X 10", 15-1/2" vertical post, 23" horizontal post
Articulating/Flex Arm Stand	Flexible arm stand, lockable 14-1/2" vertical motion range, 3' scanable range, horizontal or vertical mount

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)
	115	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	152	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	43	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.

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