

## Z650HR Zoom Stereo Microscope Series



# UNITRON® Z650HR

## Z650HR SPECIFICATIONS

### VIEWING BODY

<b>Optical System</b>	Twin zooming objectives
<b>Viewing Bodies</b>	Trinocular 0/100 light split with 0.55x built-in c-mount lens, inclined 30°
<b>Anti-Mold</b>	Anti-mold and airtight design
<b>Magnification</b>	0.6x to 5.0x (6x to 50x with 10x eyepieces); Zoom Ratio: 8:1
<b>Working Distance</b>	115mm (4.52 inches)
<b>Interpupillary Distance Adjustment</b>	55- 75mm
<b>Camera Adaptability</b>	0.55x built-in c-mount lens
<b>Eyepieces</b> (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
<b>Auxiliary Objectives</b>	0.5x (220mm working distance); 0.7x (152mm working distance); 2.0x (43mm working distance)

### STANDS

<b>Plain Focusing Stand</b>	76mm focus mount diameter, 100mm focusing stroke, 240mm (l) x 290mm (d) x 318mm (h), 125mm black & white stage plate
<b>Pole Stand</b>	76mm focus mount diameter, 305mm pole height, 193mm focusing stroke, 240 (l) x 290mm (d) x 318mm (h), 125mm black & white stage plate
<b>LED Reflected/Transmitted Illuminated Stand With Coarse Or Coarse/Fine Focusing</b>	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
<b>Diascopic Stand With Halogen Or Fiber Optic Illumination</b>	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
<b>Boom Stand</b>	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
<b>Ball Bearing Boom Stand</b>	Ball bearing boom stand, horizontal arm with bonder port, base dimensions 10" X 10", 15-1/2" vertical post, 23" horizontal post
<b>Articulating/Flex Arm Stand</b>	Flexible arm stand, lockable 14-1/2" vertical motion range, 3' scanable range, horizontal or vertical mount

### OPTIONAL ACCESSORIES

<b>Light Sources</b>	LED & fluorescent ring lights, 150w or LED fiber optic illuminators
<b>Digital Camera System</b>	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.