Z650HR Zoom
Stereo Microscope Series
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, 240 (l) x 290 (d) x 318 (h), 125mm black & white stage plate

Pole Stand
76mm focus mount diameter, 305mm pole height, 193mm focusing stroke, 240 (l) x 290 (d) x 318 (h), 125mm black & white stage plate

LED Reflected/Transmitted Illuminated Stand With Coarse Or Coarse/Fine Focusing
76mm focus mount diameter, 100mm focusing stroke, 240 (l) x 292 (d) x 318 (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, 240 (l) x 310 (d) x 383 (h), 280mm clear glass stage plate, tiltable mirror provides direct and oblique illumination with either variable 6v/20w 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

<table>
<thead>
<tr>
<th>Aux. Objective</th>
<th>Working Distance (mm)</th>
<th>WF10X/23</th>
<th>WF15X/16</th>
<th>WF20X/12</th>
<th>WF30X/8</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total Magnification</td>
<td>Visual Field (mm)</td>
<td>Total Magnification</td>
<td>Visual Field (mm)</td>
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<tr>
<td>0.5X</td>
<td>115</td>
<td>6-50X</td>
<td>38.3-4.6</td>
<td>9-75X</td>
<td>26.7-3.2</td>
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<tr>
<td>0.7X</td>
<td>220</td>
<td>3-25X</td>
<td>76.7-9.2</td>
<td>4.5-35.5</td>
<td>53.3-6.4</td>
</tr>
<tr>
<td>2X</td>
<td>152</td>
<td>4.2-35X</td>
<td>54.8-6.6</td>
<td>6.3-52.5X</td>
<td>38.1-4.6</td>
</tr>
<tr>
<td>2X</td>
<td>43</td>
<td>12-100X</td>
<td>19.2-2.3</td>
<td>18-150X</td>
<td>13.3-1.6</td>
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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.