

**Z730 Zoom
Stereo Microscope Series**



UNITRON® Z730

Z730 SPECIFICATIONS

VIEWING BODY

Optical System	Twin zooming objectives
Viewing Bodies	Binocular or Trinocular with 50/50 light split
ESD Protection	Viewing body is made from anti-electrostatic materials
Anti-Mold	Anti-mold and airtight design
Magnification	0.7x to 3.0x (7x to 30x with 10x eyepieces)
Zoom Ratio	4.3:1
Working Distance	97mm (3.82 inches)
Viewing Angle	45 degrees for binocular and trinocular models, binocular viewing head is also available in a 60 degree viewing angle
Interpupillary Distance Adjustment	52mm - 75mm
Camera Adaptability	0.5x c-mount adapter
Eyepieces (with diopter adjustment)	WF10x/20mm with reticle holder (reticle size: 26.5mm), WF15x/16mm with reticle holder (reticle size: 20mm), WF20x/12.5mm (optional reticle holder available, reticle size: 16.5mm)
Auxiliary Objectives	0.5x (180mm working distance), 0.63x (140mm working distance), 0.75x (120mm working distance) and 2.0x (30mm working distance)

STANDS

Plain Focusing Stand	76mm focus mount diameter, 100mm focusing stroke, 240mm (w) x 290mm (d) x 318mm (h), 125mm black & white plate
E-LED Reflected/ Transmitted Illuminated Stand	76mm focus mount diameter, 100mm focusing stroke, 184mm (w) x 260mm (d) x 267mm (h), 95mm clear glass and black & white plate; variable transmitted & reflected LED illumination; average LED life expectancy - 50,000 hours; color temperature: 6500° Kelvin
Diascopic Stand with Transmitted Illumination Attachment	76mm focus mount diameter, 100mm focusing stroke, 255mm (w) x 310mm (d) x 382mm (h), 280mm clear glass plate; tiltable mirror provides direct and oblique illumination; choice of 6v 15w halogen, 150w fiber optic or LED illuminators
Pole Stand	76mm focus mount diameter, 305mm pole height, 193mm focusing stroke, 240mm (w) x 290mm (d) x 318mm (h), 125mm black & white plate
Boom Stand	Base dimensions: 254mm x 254mm (10" x 10"), Vertical Post - 365mm, Horizontal Post - 518mm. Physical weight 34 lbs.
Ball Bearing Boom Stand	Base dimensions: 254mm x 254mm (10" x 10"), Vertical Post - 394mm, Horizontal Post - 585mm. Physical weight 42 lbs. An optional 230mm vertical extension post can be added to the standard vertical post
FlexArm/Swing Arm Stand	The Swinging Arm has a 3 foot scanable range and a lockable 14.5" vertical motion range with an adjustable counterbalanced support; choice of horizontal/vertical clamp mount, table mount, or wall 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

OPTICAL DATA

Auxiliary Objective	Working Distance (mm)	EYEPIECE					
		WF10X/20		WF15X/16		WF20X/12.5	
		Total magnification	Visual Field (mm)	Total magnification	Visual Field (mm)	Total magnification	Visual Field (mm)
	97	7-30X	25.7-6	10.5-45X	20.0-4.7	14-60X	15.7-3.7
0.5X	180	3.5-15X	51.4-12	5.2-22.5X	40.0-9.4	7-30X	31.4-7.4
0.63X	140	4.4-18.9X	43.9-10.6	6.6-28.3X	31.7-7.4	8.8-37.8X	24.9-5.8
0.75X	120	5.25-22.5X	38.1-8.8	7.9-33.8X	30.47-7.11	10.5-45X	22.85-5.33
2X	30	14-60X	12.8-3	21-90X	10.0-2.3	28-120X	7.9-1.8

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