

**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 and 0.67x c-mount adapters, photo tube
Eyepieces (with diopter adjustment)	WF10x/20mm with reticle holder (reticle size: 26.5mm), WF15x/16mm with reticle holder (reticle size: 20mm), WF20x/12.5mm
Auxiliary Objectives	0.5x (180mm working distance), 0.63x (140mm 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
LED Reflected/ Transmitted Illuminated Stand	76mm focus mount diameter, 100mm focusing stroke, 240mm (w) x 292mm (d) x 318mm (h), 100mm clear glass and black & white plate. Variable Transmitted & Reflected LED illumination. Average LED life expectancy - 7,000 hours, Color temperature: 6200° - 7000° Kelvin
Halogen Reflected & Transmitted Illuminated Stand	76mm focus mount diameter, 100mm focusing stroke, 198mm (w) x 233 (d) x 318mm (h). 95mm frosted and black & white plates. Reflected illuminator: 6v 15w variable halogen dichroic . Transmitted illuminator: 12v 15w variable bi-pin halogen.
Diascopic Stand with Transmitted Illumination Attachment	76mm focus mount diameter, 100mm focusing stroke, 255mm (w) x 310mm (d) x 382mm (h), 280 mm clear glass plate. Tilttable mirror provides direct and oblique illumination. Choice of 6v20w halogen or 150w fiber optic 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 37 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. Horizontal or vertical clamp mount

OPTIONAL ACCESSORIES

Light Sources	LED & fluorescent ring lights, Fiber Optic illuminators
Digital Camera System	Micrometrics® CCD and CMOS cameras with image analysis 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
2X	30	14-60X	12.8-3	21-90X	10.0-2.3	28-120X	7.9-1.8

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