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U.S. MICRO-OPTICAL SOLUTIONS
USZM-4 STEREO ZOOM MICROSCOPE

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SOLUTIONS FOR INDUSTRIAL and EDUCATIONAL APPLICATIONS

3

YEAR
WARRANTY



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VIEWING BODY

The binocular or trinocular zoom bodies rotate 360° and are inclined at a 45° angle for easy viewing.

EYEPIECES

Your choice of 8 different eyepieces are available for this microscope. The standard 10x (20mm F.O.V.) offers high quality optical clarity.

STAND/FOCUSING ADJUSTMENT

Rugged die cast aluminum stand with a cast upright and arm assembly. Knurled knobs drive an all metal rack and pinion system that allows smooth focusing. Multiple stand options to choose from.

ILLUMINATION

The base (transmitted illumination) is a 12V/10 Watt Halogen lamp while the upper (incident) lamp is a 12V/20 Watt Halogen filtered "daylight" light.

STAGE

The large platform comes with a frosted glass stage plate and metal stage clips to retain your sample. Optional solid black & white reversible stage plates are available.

SPECIFICATIONS

Viewing Head	Binocular or Trinocular
Head Rotation	360°
Head Incline	45°
Interpupillary Adjustment	51mm to 79mm
Dioptic Adjustment	Eyepiece Specific
Eyepiece Magnification	10x Standard
Eyepiece Field Diameter	20mm Standard
Optional Eyepieces	10x, 16x, 20x (See magnification configuration chart)
Magnification Range	10x-80x
Working Distance	90.5mm
Arm Ring I.D.	76mm
Stage Plate	Frosted glass plate (optional black & white reversible)
Stage Clips	Metal - Spring Loaded
Focusing Movement	85mm
Vertical Travel Max. Extension	157mm (from base to pod)
Upper Illumination	Incident 12V/20 Watt Halogen
Lower Illumination	Transmitted 12V/10 Watt Halogen
Overall Base Dimensions (approx.)	7in x 9-1/2in x 15-1/2in high
Weight (approx.)	10 lbs. (4.54kg) approx.

MAGNIFICATION CONFIGURATIONS

Eyeiece	Field of View	Magnification Range
10x	20mm	10x - 40x
	22mm	
16x	16mm	16x - 64x
20x	12mm	20x - 80x

This modular stereo zoom binocular or trinocular microscope can be adapted to fit all of our stereo stands. The wide range of eyepieces offers a distinct combination of optical performance and flexibility of illumination.



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