VanGuard

1300ZP Series

- **Professional Level**
- **Zoom Magnification (6.5:1)**
- **Pole Stand Or Boom Stand Bases**
- **Precision Optics**
- **Mechanical Stage Option**

VanGuard 1300ZP-Series Stereo Microscopes feature a zoom magnification range of 7X to 45X (w/ 10X eyepieces). The precision stereo optics produce high-resolution, three-dimensional images. Pole stand base available with optional eyepieces and supplementary lenses to customize any model for specific magnification requirements.

Mechanical Stage Option for:
Fine Control over X-Y movement.
(105mm W X 103mm D)
Installation Required
Cat No. M1305-0001

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Specifications

Viewing Head:	Binocular or Trinocular
Head Rotation:	360°
Head Inclination:	45°
Interpupillary Adjustment:	53-75mm
Dioptric Adjustment:	-5 to +5
Eyepiece Magnification:	10X Ultra Widefield
Eyepiece Field Number:	22mm
Optional Eyepieces:	15X (Field Diameter: 15mm) 20X (Field Diameter: 12mm) 25X (Field Diameter: 9mm)
Optional Supplementary Lenses:	0.5X, 0.75X, 1.0X, 1.5X, & 2.0X
Stereo Zoom Objectives:	0.7X to 4.5X
Working Distance:	88mm
Stage Plate:	Black/White Reversible
Stage Clips:	Stainless Steel, Spring-Loaded
Focusing Movement: **Vertical Travel**:	Dual Knobs; Rack & Pinion Assembly; Tension Control; 135mm
Upper Illumination:	None
Lower Illumination:	None
Vertical Base Pole:	260mm Length; 160mm Travel
Base Dimensions:	240mm x 180mm
Overall Dimensions:	345mm (L) x 180mm (W) x 480mm (H)
Weight:	4.2kg
Supplied With:	Eyecup (2), Dust Cover, Operation Manual

Auxiliary Lighting is available with a ring light attachment of 60 individual LED's fixed in a circular mount . The ring light attaches right to the objective cover on the microscope.
The LED Control Unit comes with two white light goosnecks and the ring light is an available option.

Cat. No. 1200-LED1 (LED Control Unit with 2 White Light Goosnecks)
Cat. No. 1200-LEDRL1 (Ringlight Attachment)

Magnification Configurations

Zoom Range = Eyepiece Magnification X (Objective Magnification X Supplementary Lens)
FOV = FN ÷ (Objective Magnification X Supplementary Lens)

Eyepieces	F.N.	Supplementary Lens	Zoom Range	Field of View (mm)	Working Distance (mm)
10X	22mm	0.5X	3.5X to 22.5X	62.8 to 9.7	137
		0.75X	5.3X to 33.8X	41.9 to 6.5	103
		None	5.3X to 33.8X	41.9 to 6.5	88
		1.0X	7.0X to 45.0X	31.4 to 4.8	75
		1.5X	10.5X to 67.5X	20.9 to 3.2	48
		2.0X	14.0X to 90.0X	15.7 to 2.4	29
15X	15mm	0.5X	5.3X to 33.8X	42.8 to 6.6	137
		0.75X	7.9X to 50.6X	28.5 to 4.4	103
		None	10.5X to 67.5X	21.4 to 3.3	88
		1.0X	10.5X to 67.5X	21.4 to 3.3	75
		1.5X	15.8X to 101.3X	14.2 to 2.2	48
		2.0X	21.0X to 135.0X	10.7 to 1.6	29
20X	12mm	0.5X	7.0X to 45.0X	34.2 to 5.3	137
		0.75X	10.5X to 67.5X	22.8 to 3.5	103
		None	14.0X to 90.0X	17.1 to 2.6	88
		1.0X	14.0X to 90.0X	17.1 to 2.6	75
		1.5X	21.0X to 135.0X	11.4 to 1.7	48
		2.0X	28.0X to 180.0X	8.5 to 1.3	29
25X	9mm	0.5X	8.8X to 56.3X	25.7 to 4.0	137
		0.75X	13.1X to 84.4X	17.1 to 2.6	103
		None	17.5X to 112.5X	12.8 to 2.0	88
		1.0X	17.5X to 112.5X	12.8 to 2.0	75
		1.5X	26.3X to 168.8X	8.5 to 1.3	48
		2.0X	35.0X to 225.0X	6.4 to 1.0	29

1300ZP-Series

Model	Head	Zoom Range (Primary)	Stand	Upper/Lower Illumination
1375ZP	Binocular	0.7X to 4.5X	Pole	None
1376ZP	Trinocular	0.7X to 4.5X	Pole	None

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