

# VAN GUARD

## 1100SP Series

- Introductory Level
- Dual-Magnification
- Precision Optics

VanGuard 1100SP Series Stereo Microscopes feature models with 4 different dual-magnification configurations.

The precision stereo optics produce high-resolution, three-dimensional images.

Optional eyepieces are available to customize any model for specific magnification requirements.



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## Specifications

<b>Viewing Head:</b>	Binocular
<b>Head Rotation:</b>	360°
<b>Head Inclination:</b>	45°
<b>Interpupillary Adjustment:</b>	51-77mm
<b>Dioptric Adjustment:</b>	-5 to +5
<b>Eyepiece Magnification:</b>	10X Widefield
<b>Eyepiece Field Diameter:</b>	20mm
<b>Optional Eyepieces:</b>	15X (Field Diameter: 15mm) 20X (Field Diameter: 12mm)
<b>Stereo Objectives:</b>	1X & 2X [Model 1122SP] 1X & 3X [Model 1123SP] 2X & 4X [Model 1124SP] 1X & 4X [Model 1125SP]
<b>Working Distance:</b>	102mm
<b>Stage Plate:</b>	Black/White Reversible
<b>Stage Clips:</b>	Stainless Steel, Spring-Loaded, Locked-On
<b>Focusing Movement:</b>	Dual Knobs; Rack & Pinion Assembly; Tension Control; Slip-Clutch Mechanism
<b>Vertical Travel:</b>	65mm
<b>Vertical Clearance:</b>	65mm to 175mm
<b>Upper Illumination:</b>	None
<b>Lower Illumination:</b>	None
<b>Base Dimensions:</b>	230mm x 150mm
<b>Overall Dimensions:</b>	230mm (L) x 150mm (W) x 390mm (H)
<b>Weight:</b>	2.9kg
<b>Supplied With:</b>	Eyecup (2), Dust Cover, Operation Manual

## Magnification Configurations

Eyepieces	Objective	Total Magnification	Field of View (mm)	Working Distance (mm)
10X	1X	10X	20.0	102
10X	2X	20X	10.0	102
10X	3X	30X	6.6	102
10X	4X	40X	5.0	102
15X	1X	15X	15.0	102
15X	2X	30X	7.5	102
15X	3X	45X	5.0	102
15X	4X	60X	3.8	102
20X	1X	20X	12.0	102
20X	2X	40X	6.0	102
20X	3X	60X	4.0	102
20X	4X	80X	3.0	102

## Ordering Information

Model	Head	Objectives	Upper Illumination	Lower Illumination
1122SP	Binocular	1X & 2X	None	None
1123SP	Binocular	1X & 3X	None	None
1124SP	Binocular	2X & 4X	None	None
1125SP	Binocular	1X & 4X	None	None

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