Technical Data sheet

Stereo microscope

◆ Product Description

The stereomicroscope is a precision optical instrument designed specifically for observing the three-dimensional structure of objects. Through its dual optical path system and unique optical design, it provides clear stereo visual effects, making it suitable for multi-level observation and manipulation of samples ranging from macro to micro scales.

- Stereoscopic Imaging Technology
- Wide-range Variable Magnification Adjustment
- Ergonomic Design
- High-resolution Optical System
- Durable Construction and Environmental Adaptability

◆ Typical Product Data and Physical Properties

Upper Light Source: Ring LED
Lower Light Source: Transmissive LED
Working Distance: Standard 95MM
Body Viewing Angle: 12°~15°
Focus Adjustment Mechanism: Coarse Adjustment Stroke 48MM
Resolution: 200~300 Line Pairs/MM

◆ Product Structure

- The stereomicroscope adopts a dual-objective optical structure, paired with a continuous zoom system and a variety of eyepieces and objectives, to achieve large-depth-of-field stereoscopic imaging and seamless switching between macroscopic and microscopic views. The mechanical structure incorporates a 45°/60° inclined lens barrel, a high-precision focusing mechanism, and an expandable stage to ensure comfortable and stable operation.

Availability:

Item#	Model	Packing
1.5.35.00.0002	MHG-0745	1set/carton

◆ Typical Applications

- The stereomicroscope is widely used in fields such as electronics manufacturing, biomedicine, materials science, and cultural relic restoration. Its large depth-of-field vision, multi-mode illumination, and high-precision focusing mechanism meet the diverse needs of observing from millimeter-scale macroscopic structures to resolving micrometer-level details.

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only