

Biological Microscopy

VL Bio-Microscope Series

Scientific research / clinical cost-effective biological microscope

- High-definition imaging, precise and efficient observation
- Wide adaptability, outstanding cost performance.



One Platform Many Possibilities

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Overview

A choice for scientific research and clinical observation

The VL Bio-Microscope Series is a line of biological microscopes under Venuslab that covers multiple scenarios such as scientific research, teaching, and clinical applications. This series is equipped with high-quality optical components, featuring both high-definition imaging performance and flexible adaptability. Through graded model configurations, it meets the full range of needs from high-end scientific research analysis to basic-level routine observations.

Features of VL Bio-Microscope Series

- Optical configuration grading, covering all-scenario needs
- High-definition imaging with high observation accuracy
- Some models support modular function upgrades
- Easy to operate, suitable for different user groups
- High cost performance, balancing performance and cost

Model Table

VL Series Microscope Core Parameter Comparison Table

Model	Eyepiece Configuration	Core Objective Lens Type	Focusing Precision	Light Source Type	Stage Specification
VL2800	Wide-field WF10X (360° rotatable)	Infinity plan achromatic objective	2μm	Adjustable-brightness LED lamp	Double-layer mechanical (180×150mm)
VL2600	10X plan wide-field eyepiece	Plan achromatic objective	0.002mm	High-brightness white LED (adjustable)	Double-layer mechanical (125×135mm)
VL2050	Wide-field WF10X (20mm)	Plan achromatic PL series	2μm	12V 50W halogen lamp (adjustable)	Double-layer mechanical (160×140mm)
VL2000A	Wide-field WF10X (20mm)	Plan achromatic PL series	2μm	6V 20W halogen lamp	Double-layer mechanical
VL2000B	Wide-field WF10X (20mm)	Plan achromatic PL series (including 20X)	2μm	6V 20W halogen lamp	Double-layer mechanical
VL1800A	Wide-field WF10X (18mm)	Achromatic objective	2μm	6V 20W halogen lamp	Double-layer mechanical
VL1800B	Wide-field WF10X (18mm)	Semi-plan achromatic objective	2μm	6V 20W halogen lamp	Double-layer mechanical
VL1350	Wide-field WF10X (18mm)	Achromatic objective	2μm	6V 20W halogen lamp	Double-layer mechanical (135×125mm)
VL1200A	Wide-field WF10X (18mm)	Achromatic objective	2μm	6V 20W halogen lamp	Double-layer mechanical (135×125mm)
VL1200B	Wide-field WF10X (18mm)	Achromatic objective (with base armrest plate)	2μm	6V 20W halogen lamp	Double-layer mechanical (135×125mm)
VL1200C	Wide-field WF10X (18mm)	Achromatic objective	2μm	6V 20W halogen lamp	Double-layer mechanical (135×125mm)
VL1000A	Wide-field WF10X (18mm)	Achromatic objective	4μm	220V/110V incandescent lamp	Double-layer mechanical (125×115mm)
VL1000B	Wide-field WF10X (18mm)	Achromatic objective	4μm	220V/110V incandescent lamp	Double-layer mechanical (125×115mm)
VL1000C	Wide-field WF10X (18mm)	Achromatic objective	4μm	220V/110V incandescent lamp	Double-layer mechanical (125×115mm)
VL790-M	Plan WF10X (18mm)	Achromatic objective (high numerical aperture)	-	LED illumination	Double-layer mechanical (125×115mm)
VL790-B	Plan WF10X (18mm)	Achromatic objective (high numerical aperture)	-	LED illumination	Double-layer mechanical (125×115mm)
VL790-T	Plan WF10X (18mm)	Achromatic objective (high numerical aperture)	-	LED illumination	Double-layer mechanical (125×115mm)
VL500A	Wide-field WF10X (18mm)	Achromatic objective	4μm	220V/110V incandescent lamp	Fixed (120×120mm)
VL500B	Wide-field WF10X (18mm)	Achromatic objective	4μm	220V/110V incandescent lamp	Fixed (120×120mm)
VL135A	Wide-field WF10X (18mm)	Achromatic objective	4μm	12V 20W halogen lamp	Double-layer mechanical (125×115mm)
VL135B	Wide-field WF10X (18mm)	Achromatic objective	4μm	12V 20W halogen lamp	Double-layer mechanical (125×115mm)
VL135C	Wide-field WF10X (18mm)	Achromatic objective	4μm	12V 20W halogen lamp	Double-layer mechanical (125×115mm)
VL135D	Wide-field WF10X (18mm)	Achromatic objective	4μm	12V 20W halogen lamp	Double-layer mechanical (125×115mm)

Service & Support

We are dedicated to delivering exceptional optoelectronic solutions to every client. From precision manufacturing and secure delivery to full-lifecycle technical support, we are here to ensure a seamless and reliable experience at every step.

1. Warranty Policy

Quality First, Worry-Free Operation

Warranty Period: We offer a **two-year** warranty service for all of our core optoelectronic products, effective from the date of shipment.

Coverage: We provide free repair or replacement services for malfunctions caused by material defects or workmanship errors under normal operating conditions.

Rapid Response: Upon receiving a warranty claim, we guarantee to initiate the assessment process within **24 hours** to minimize your equipment downtime.

2. Technical Support

Expert Team, Full-Process Guidance

Technical Consultation: Our team of senior optical engineers provides **24/7 online support** to assist with installation, commissioning, optical path alignment, and parameter optimization.

Scheduled Maintenance: We offer full-lifecycle maintenance recommendations, including firmware upgrades, optical component cleaning guidelines, and precision calibration services.

Training Services: We provide customized remote or on-site operational and safety training to ensure your team can operate the equipment efficiently and safely.

3. Logistics & Delivery

Precision Packaging, Global Reach

Professional Packaging: Given the fragile nature of optical instruments, we utilize industrial-grade shockproof, anti-static, and moisture-proof vacuum packaging to ensure zero damage during transit.

Logistics Partners: We partner with top-tier global logistics providers (**DHL / FedEx / UPS / SF Express**) to offer reliable shipping with real-time tracking.

Shipping Insurance: All shipments are fully insured to eliminate logistics risks.

4. Compliance & Certification


Strict Standards, Total Compliance

Quality Certification: Our manufacturing process is **ISO 9001 certified**, and our products comply with international standards such as **CE and RoHS**.

Export Compliance: "Committed to environmental responsibility, all our products comply with **RoHS 2.0 and REACH standards**, ensuring safety and global compliance."

Explore Series

Model	Stage Dimensions	Movement Range
VL2800	180mm × 150mm	75mm × 50mm
VL2600	125mm × 135mm	35mm × 75mm
VL2050	160mm × 140mm	75mm × 50mm

 Get in touch with our team to explore configurations, request a quote, or learn more about customized solutions tailored to your needs.

Let us help you move science forward—faster and smarter.

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