

# 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 x 150mm	75mm x 50mm
VL2600	125mm x 135mm	35mm x 75mm
VL2050	160mm x 140mm	75mm x 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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