

Motion Controller

VL-MC Series-USB30

Precision motion controller, designed for small multi-axis applications.

- Compact design + convenient integration, suitable for narrow installation spaces
- USB3.0 high-speed communication, ensuring real-time control
- Precise control + multi-scenario adaptation, covering lightweight needs



One Platform Many Possibilities

Contact Us sales@venuslabtech.com

Get a Quote



Get Expert Advice
+65 8099 5547



Visit Us
www.venuslabtech.com

Overview

"Precision Control, Easy Operation" – VL-MC Series-USB30

The VL-MC Series-USB30 is a high-performance single-axis control device suitable for stepper or servo motors. It simplifies computer connection and parameter setting through a USB interface. It is equipped with an operation panel for adjusting motion parameters, supports software control and universal I/O interfaces, and has a liquid crystal display to monitor the device status. This controller features high precision and strong flexibility, making it suitable for applications in education, research, and industrial automation.

Features of VL-MC Series-USB30

- Supports the control of 4-axis stepper motors or servo motors, which can be operated via the panel or software.
- Multiple motion commands can be input, with speeds set individually to achieve multi-step motion.
- Supports programming in units of pulses, millimeters, micrometers, and angles, and is equipped with zero-return and limit compensation functions.
- Equipped with I/O interfaces, it can connect to external devices. Supports the simultaneous use of two cards and provides a function library to facilitate software development.
- Compatible with Windows systems, with optional Chinese and English interfaces.

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	I/O Interface	Pulse Output Frequency
VLUSB30	Equipped with 8 channels of output and 4 channels of input	2 MHz

 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.

[Get a Quote](#)



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