VEX AIM

AIM.vex.com

NEW

Bringing Computer Science to Life

Pictured: **VEX AIM Robot**

Perfect Size: **About 73 mm (H)**

VEX CODE

Code with **Blocks**, **Python**, and **Switch** on all platforms
Software available at no cost
Laptop not included

Classroom Integration

VEX AIM teaches **AI** and machine learning concepts in the classroom through hands-on activities and projects. Students will learn algorithms, data processing, and the practical applications of **AI** in robotics. **VEX AIM** bridges theoretical knowledge with practical skills, allowing students to apply AI and machine learning concepts to real-world robotics challenges.

VEX AIM Coding Robot

VEX AIM from VEX Robotics provides an immersive, hands-on learning experience and a new approach to computer science education in middle and high school classrooms. **VEX AIM** from **VEX Robotics** is designed to introduce students to the principles and applications of artificial intelligence and machine learning. By incorporating AI and machine learning into robotics education, **VEX AIM** engages students in cutting-edge technology, preparing them for future careers in STEM fields.

Features

- Backlit touchscreen
- **AI** Vision Sensor
- Remote control
- Omni-directional drive
- Multi-color **LED** markers
- Sound
- Rechargeable battery
- Built-in ball launcher
- Accessories: AprilTag signs, barrels, soccer ball, charging cable
- **STEM Labs** plug-in lessons

*Estimated availability date

All pricing is in HKD and is subject to change without notice.

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Teaching Computer Science

VEX AIM emphasizes critical thinking, problem-solving, and computational thinking skills. Its STEM Labs and project guides will support educators and students in learning and applying AI concepts to the world around them.

Computer Science Continuum

The **VEX CS Continuum** offers an exceptional and seamless way for schools to enhance students' computer science learning journeys from grade to grade. Unlike traditional pathways that often involve abrupt transitions between programming environments and languages, the **VEX CS Continuum** ensures a smooth progression.

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Computer Science for All Ages

The **VEX CS Continuum** provides a hands-on introduction to fundamental computer science concepts, such as sequencing with Coder and Coder cards. It then scaffolds students through various stages, starting with block-based programming, advancing to text-based programming, and ultimately using a professional integrated development environment. It is a carefully structured progression of programming environments tailored to support learners as they progress from introductory to advanced computer science education. With the **VEX CS Continuum**, students are scaffolded to achieve their full potential in the field of computer science.

VEX AIM Robot Features

Compact Design: Less than 3 inches round, making it easy to integrate into computer science classroom settings.

Versatile Coding Options: It supports programming with blocks, switch and Python via VEXcode. Through the VEX extension, it is also compatible with Visual Studio Code.

Interactive Interface: The touch screen, sounds, lights, and emojis create an engaging user experience, making interactions intuitive and enjoyable for students as they program and control the robot.

AI Vision Sensor: Detects objects, colors, and AprilTags, facilitating advanced interaction and navigation.

Omnidirectional Drive: This mobile platform allows AIM to translate and rotate in any direction to accomplish tasks.

Professional Development

VEX PD+ is a professional learning community for the ongoing professional development you need, when you need it.

Connect with VEX Experts and educators around the world!

VEX PD+ Free Tier
- Access introductory certification courses for each VEX platform
- Gain access to the VEX Community after becoming certified

Connect with
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Free Educational Resources

VEX Robotics offers a hub of resources to get started with, and return to over time as you continue on your STEM teaching journey. The free, online, self-paced **Certification in VEX PD+** will guide you through the basics of building, coding, and teaching with VEX AIM.

Library.vex.com is an online encyclopedia of all things VEX, where you can search and find articles to answer questions, help troubleshoot, or learn more about using VEX AIM with your students.

GetStarted.vex.com gives you the quick links you need to dive into your journey with VEX AIM.

Free Teacher Certifications, Lesson Plans, and Software

Instant answers to almost any question at **educators.vex.com** and **library.vex.com**

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