Python Graphics Programming Experiment Kit

This primary programming experiment box integrates multiple input sensors and output modules. It supports both graphical software building block programming and Python basic code programming.

Product Overview

Integrated experiment box featuring various sensors and output modules for hands-on programming education.

Educational Programming Kit

This integrated experiment box is designed for K12 programming education, providing a comprehensive platform for students to learn both graphical block programming and Python code. It features a wide array of built-in sensors and output modules, allowing for hands-on experimentation with hardware control. The integrated, durable structure makes it an ideal teaching tool for classroom use and school project demonstrations.

Technical Specifications

Operational Capability

Online Programming • Offline Execution

Hardware Architecture	Arduino open-source architecture using Atmel mega328p chip

Included Modules

Input Sensors

- Light Sensor
- Sound Sensor
- Human Infrared (PIR) Sensor
- Magnetic Reed Sensor
- Smoke/Gas Sensor
- Temperature Sensor
- Button Sensors
- Trimpot

Output Modules

- LED Dot Matrix Screen
- Buzzer
- Steering Gear (Servo)
- Motor (with fan)
- RGB LEDs

Educational Features

Course Support

15 lessons	15 lessons
Graphical Programming Cases	Python Programming Cases

Target Audience	K12 Students, Teachers, Educational Institutions