INTRODUCTION

We're excited to bring you three EEDU kits designed to make it easy for you to get started with AI, IoT, and environmental sensing using programming hardware. Each kit is built around an Arduino-compatible, ESP32-based FireBeetle board and comes with application-specific peripherals to help you get up to speed quickly.

Whether you're looking to improve your environment with cost-effective open-source hardware, or just want to try a practical hardware kit that comes with many quick start guides, these kits are perfect for you.

These all in one kits come with many project tutorials, making them an excellent choice for beginners looking to get started with open-source hardware. They are also designed to be easily customizable and expandable, allowing users to add new peripherals and sensors as they enhance their skills.

In particular, the AI kit includes the popular DFRobot camera HuskyLens, which is perfect for exploring classic and practical applications of AI in a simple way.

Welcome to the exciting and innovative world of hardware based on Arduino!

Video:
https://www.youtube.com/embed/jXMwtu0voF4

FEATURES

- Easy to Get Started
- Cost-effective and environmental-friendly
- Application-specific peripherals
- Quick prototyping
- Ideal for exploring AI applications
- Easily customizable and expandable

APPLICATIONS

- AI projects based on Arduino
- Smart campus projects
- Smart home projects
- STEAM education
- Programming learning
- Propotying projects
- Face recognition projects
- AI learning

DOCUMENTS

- [Product wiki](#)

SHIPPING LIST

- [Gravity: Huskylens - An Easy-to-use AI Camera](#) x1
- [FireBeetle 2 ESP32-E IoT Microcontroller with Header (Supports Wi-Fi & Bluetooth)](#) x1
- [Gravity: IO Shield for FireBeetle 2 (ESP32-E/M0)](#) x1
- [Gravity: Digital 10A Relay Module](#) x1
- [Fermion: DFPlayer Pro - A mini MP3 Player with On-board 128MB Storage (Breakout)](#) x1
- [Stereo Enclosed Speaker - 3W 8Ω](#) x1
- [Jumper Wires 9" F/F (10 Pack)](#) x1