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INDUSTRIAL PRODUCT DATASHEET

XIAO Vision AI Camera

[image] This XIAO gadget is a smart vision solution that seamlessly combines the Grove Vision AI V2 module, XIAO ESP32-C3 controller, and an OV5647 camera, all housed in a custom 3D-printed enclosure.

SKU	UPDATED	PRICE
104990982	2026-11-11 09:37:47	$26.90(Excl. VAT)



Overview



[image] This XIAO gadget is a smart vision solution that seamlessly combines the Grove Vision AI V2 module, XIAO ESP32-C3 controller, and an OV5647 camera, all housed in a custom 3D-printed enclosure. At its heart, the Grove Vision AI V2 module features the powerful Himax WiseEye2 platform, integrating an Arm Cortex-M55 processor and Ethos-U55 NPU for efficient edge AI computing. This camera supports both TensorFlow and PyTorch frameworks, offering seamless compatibility with Arduino IDE. Developers can enjoy hassle-free model deployment with its no-code option and immediate visualization of inference results through SenseCraft AI, making it an ideal choice for both beginners and experienced developers in AI vision applications.

Key Features

01 **Feature 1**

Powerful AI Processing Capabilities

02 **Feature 2**

Versatile No-Code AI Model Deployment & Visualization

03 **Feature 3**

Wi-Fi Enabled Smart Vision

04 **Feature 4**

Local Closed-Loop Automation with Home Assistant Integration

05 **Feature 5**

Fully Open Source

06 **How XIAO VIsion AI Camera Works?**

Product Gallery











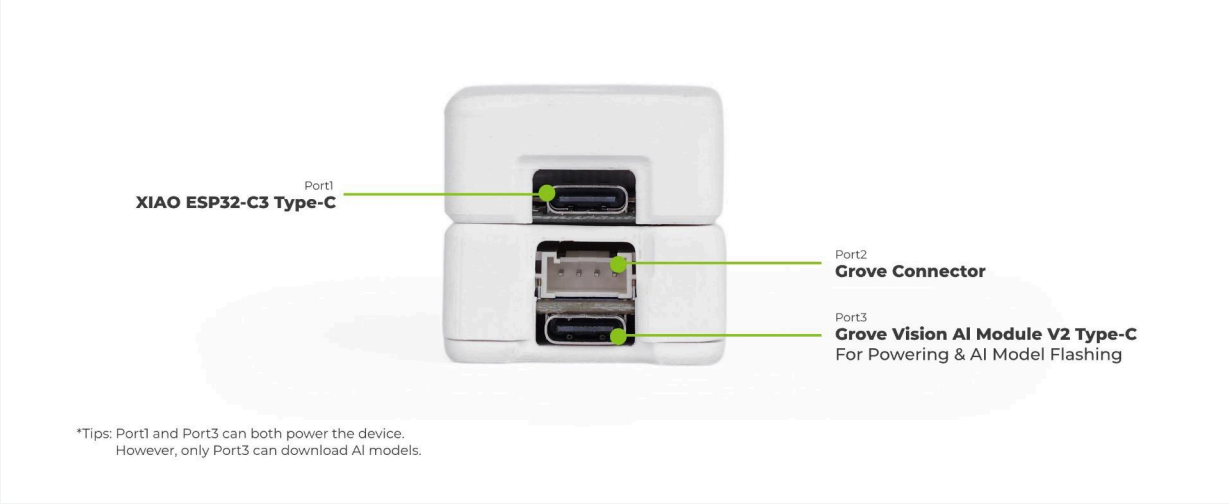








Hardware Overview



Applications

- **Industrial automation: quality inspection, predictive maintenance, voice control, etc.**
- **Smart city: equipment monitoring, energy management, etc.**
- **Transportation: status monitoring, location tracking, etc.**
- **Intelligent agriculture: environmental monitoring, etc.**
- **Mobile IoT devices: wearable devices, handheld devices, etc.**
- **How to use it?:** SenseCraft AI is a platform that enables easy AI model training and deployment with no-code/low-code. It supports Seeed products natively, ensuring complete adaptability of the trained models to Seeed products. Moreover, deploying models through this platform offers immediate visualization of identification results on the website, enabling prompt assessment of model performance.
- **Ideal for tinyML applications, adding vision AI to your smart sensor with Grove Vision AI V2 is made easy with the SenseCraft AI. Effortlessly deploy off-the-shelf or custom AI models by connecting the device, selecting a model, and viewing identification results.**
- **Join the Vision Revolution: Subscribe to our Newsletter for Exclusive Updates!**
- **Scan the QR code or Click here Vision Tech**

Resource Links

- https://www.seeedstudio.com/XIAO-Vision-AI-Camera-p-6450.html
- 3D Printed Foldable Holder for Grove Vision AI Module V2 Kit (Grove Vision AI Module V2 + OV5647 Camera + XIAO)
- HX6538 Datasheet
- Himax examples for Seeed Grove Vision AI Module V2

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