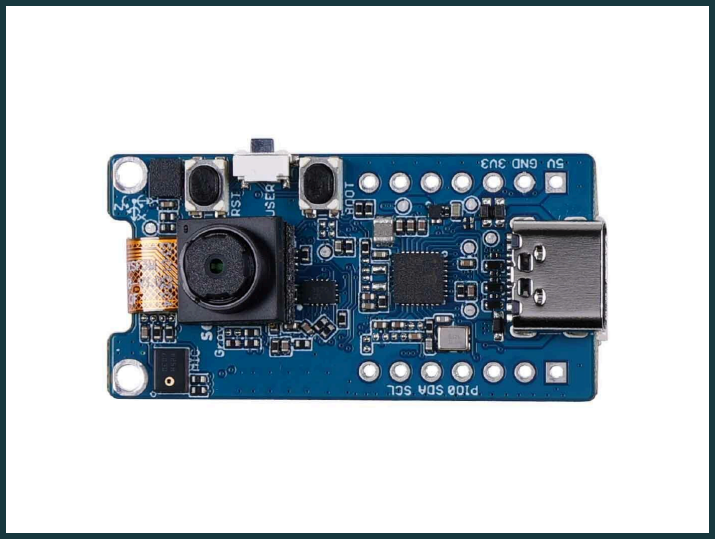
seeed studio

INDUSTRIAL PRODUCT DATASHEET

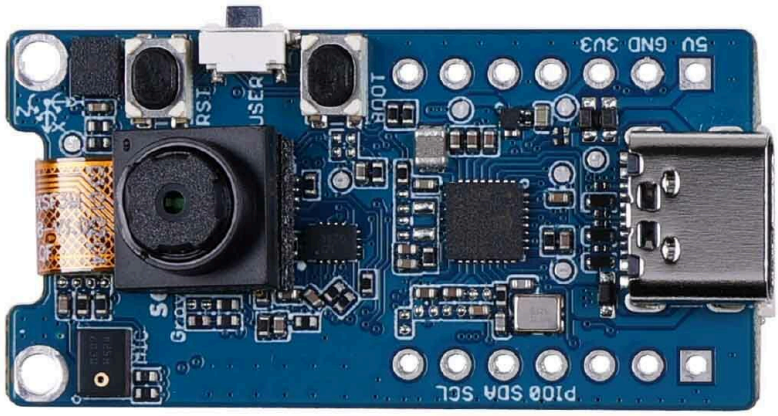
Grove - Vision AI Module with Himax HX6537-A processor, thumb-size AI-powered OV2640 camera sensor, support YOLO v5 and Edge Impulse

Grove Vision AI Module is a thumb-sized board based on Himax HX6537-A processor and equips with an OV2640 camera, a digital microphone and a 6-axis Inertial Measurement Unit (IMU).

SKU	UPDATED	PRICE
114992866	2026-11-11 08:50:00	$25.99(Excl. VAT)



Overview



Grove Vision AI Module is a thumb-sized board based on Himax HX6537-A processor and equips with an OV2640 camera, a digital microphone and a 6-axis Inertial Measurement Unit (IMU). It's fully supported by Edge Impulse which allows you seamlessly sample raw data, build models and deploy the trained ML models to the module without any programming. It is compatible with the ecology of XIAO series and Arduino, ideal for a wide range of object detection applications. [image]

Key Features

01 **Fully supported by Edge Impulse**

Seamlessly sample raw data from the camera, build models and deploy trained ML models to the module from the studio without any programming

02 **Compact AI camera sensor**

Equipped with OV2640 SOC sensor that supports auto-exposure and auto-white balance to offer good images

03 **Customizable model**

Support the import of up to 3 customized models to realize mainstream ML functions like object detection

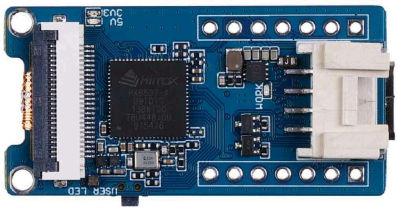
04 **Simple development & deployment**

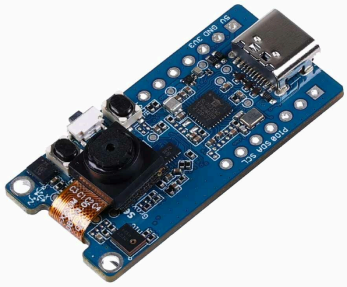
Support Arduino IDE programming and drag-and-drop model implementation

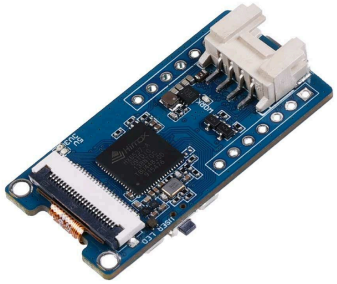
05 **High compatibility**

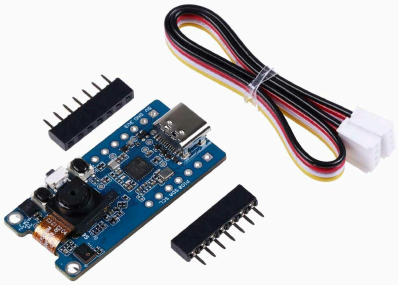
Perfectly match with XIAO series interface, supports Arduino ecology through Grove connector

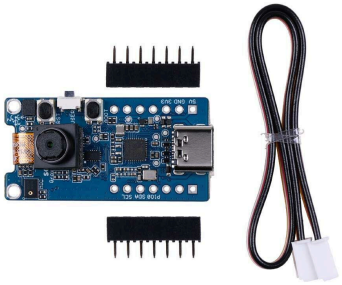
Product Gallery

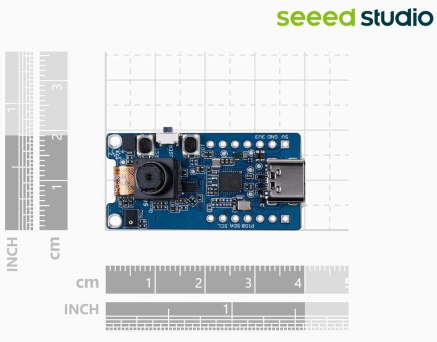












Applications

- People Detection
- Customized Object Detection
- Smart Doorkeeper
- Fall Detection & Alarm
- Face Recognition

Resource Links

- https://www.seeedstudio.com/Grove-Vision-AI-Module-p-5457.html
- Datasheet
- TinyML Case Studies

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