

Luxonis Oak-D DepthAI Hardware

SEN-17770

Description

This Oak-D DepthAI variant interfaces over USB3C to the host, allowing use with your (embedded) host platform of choice, including the Raspberry Pi and other popular embedded hosts. DepthAI is built to allow the power of Spatial AI to be embedded into products. The DepthAI hardware, firmware, and software suite combine depth perception, object detection (neural inference), and object tracking and gives you this power in a simple, easy-to-use Python API. This Oak-D variant of DepthAI allows the power of the Myriad X VPU to be fully harnessed and used with the platform of your choice.

The Oak-D board includes three 7.5cm stereo depth onboard cameras to allow quick setup and interfaces over USB3C to the host. This allows DepthAI to be used with your (embedded) host platform of choice, including the Raspberry Pi 4, Jetson Nano Dev Kit, Google Edge TPU Coral, and other popular embedded hosts and operating systems.

Includes

- OAK-D/DepthAI USB3C
- USB3C cable (3 ft.)
- Power Supply
- Getting Started Card

Features

- DepthAI is compatible with any operating system that supports OpenVINO:
 - Linux: Ubuntu, Yocto Project, CentOS, Raspbian
 - Mac OS X
 - Windows 10
 - DepthAI can also be customized to run with non-OS micro- controllers or even host-free.
- 2x 720P, 120Hz Onboard Cameras
 - global shutter mono camera for high-quality, high-speed 3D perception
- 1x 12MP, 4K, 60Hz color camera for excellent color representation and digital zoom
- USB 3 Type C Connector
- Heatsink Onboard
- Barrel Jack Power Connector (5V)

