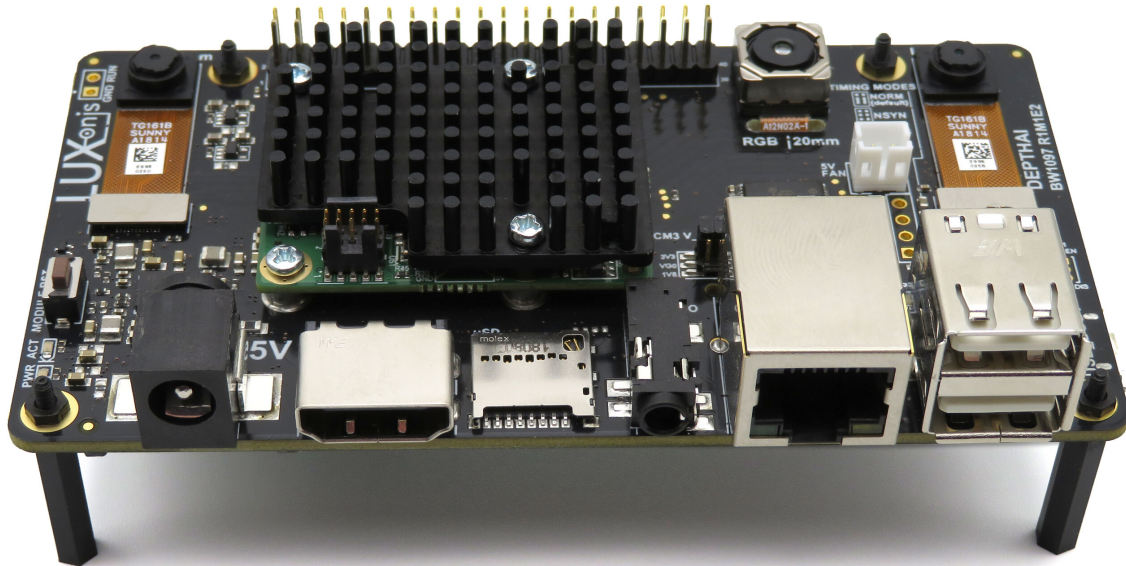# DEPTHai
## RASPBERRY PI COMPUTE MODULE



# ALL-IN-ONE, 30-SECOND SETUP

## Intel Myriad X + Raspberry Pi + Triple Camera

This variant of DepthAI includes everything needed to get going right away.  The system includes a Raspberry Pi (Compute Module, on the backside of the board) and includes a 16GB uSD Card which is pre-flashed with Raspbian and has an included factory stereo calibration.
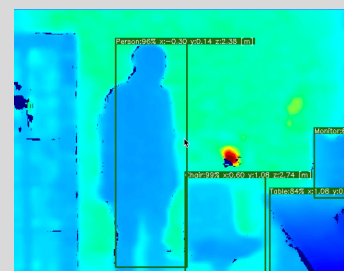
So all that is required to harness the incredible power of real-time object localization is to plug in the included 5V power supply and plug in HDMI to a display.

The system boots up automatically running object localization on 20-classes (including person, car, monitor, etc.).

So right off the bat you have a working example of real-time (25 FPS) object localization: where things are in 3D space (xyz in meters) and what they are (bottle, bicycle, board, etc.).  Swap in other models, and now it knows what those classes are, and where each object of those classes are in physical space - real-time and w/ 0% RPi CPU load.

## EMBEDDED DEPTH + AI PERCEPTION

Real-time object detection and localization in 3D space

# DEPTH ai

## RASPBERRY PI COMPUTE MODULE

## HARDWARE FEATURES

- 2x 720P, 120Hz global shutter mono camera for high-quality, high-speed 3D perception

- 1x 12MP, 4K, 60Hz color camera for excellent color representation and digital zoom and multi-model neural model functionality.

- All standard RPi interfaces included

- RPi CPU available for your code - the Myriad X handles all the visual processing and AI

- Passively cooled



720P 120Hz Global Shutter
RPi 40-Pin GPIO Header
4K 60Hz Color
720P 120Hz Global Shutter
DepthAI Module
1x Solderable USB2.0
5V IN
HDMI
μSD-Card (16GB Preconfigured & Included)
Ethernet
2x USB2.0



Raspberry Pi Compute Module 3B+
RPi USB-Boot
RPi Display Port
RPi Camera Port