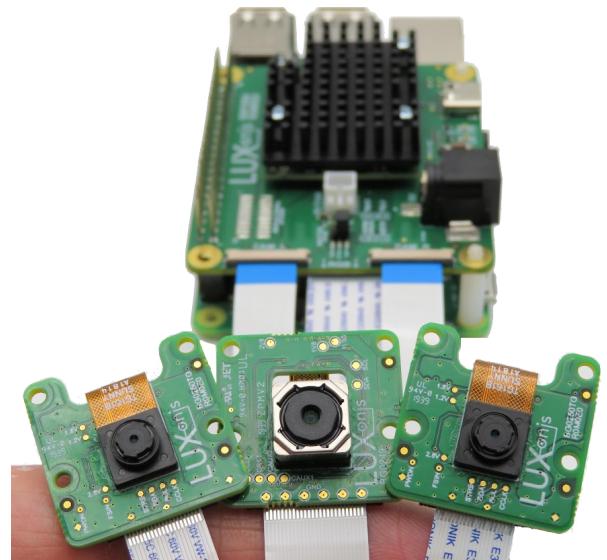
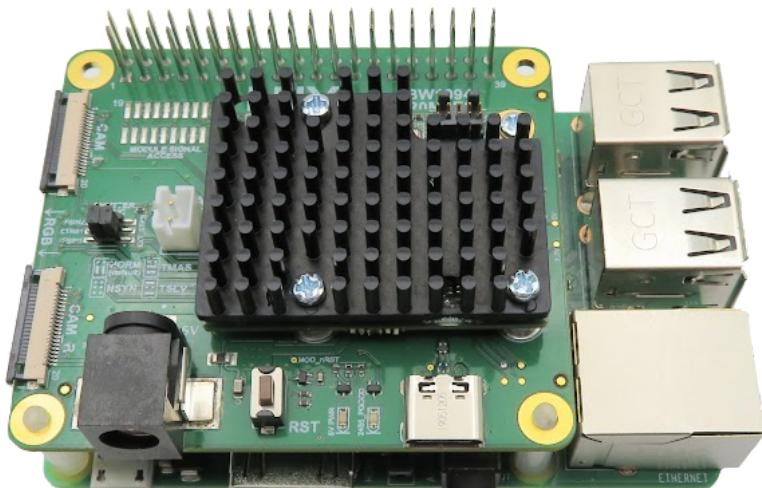




RASPBERRY PI HAT



VPU HARDWARE OFFLOAD + PI

Raspberry Pi VPU HAT with Modular Cameras

This Pi HAT variant of DepthAI allows the power of the Myriad X VPU to be unlocked and used directly by the Raspberry Pi, with modular cameras for custom stereo baselines and easy platform integration.

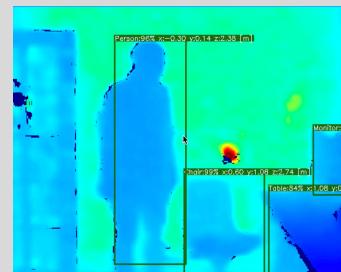
And like the Raspberry Pi Compute Module variant, a uSD card with Raspbian pre-configured and stereo calibration is included - so all that is required to harness the incredible power of real-time object localization is connect the DepthAI Pi HAT to your Pi and power it up your.

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





RASPBERRY PI HAT

HARDWARE FEATURES

Modular Cameras:

- 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

- 40-pin RPi Header passed through and accessible

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

- Passively cooled

