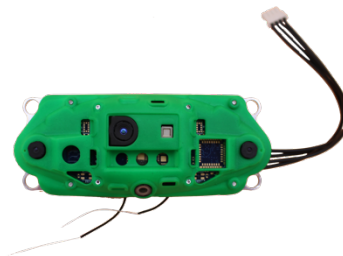## VOXL CAM™ Product Brief

The VOXL CAM is an all in one compute and perception engine that makes it easier to develop smaller, smarter, and safer drones, robots, and IoT devices with autonomy. The VOXL CAM condenses the computing power of 7 PCBs and 4 concurrent image sensors into one compact platform powered by Blue UAS Framework components, VOXL and Flight Core.

Perception
Built-in sensors to safely navigate from indoors to outdoors

- PMD time of flight (ToF) module for indoor depth mapping
- Stereo image sensor pair for outdoor depth mapping
- Tracking image sensor for visual inertial odometry (VIO) localization

Autonomy
Smart open development platform with premier processing power

- Powered by VOXL companion computer
- Integrated Qualcomm Snapdragon 821 premium tier chipset onboard: 4 cores up to 2.4 GHz, 14nm, 4GB LPDDR4 PoP 1866MHz
- VOXL SDK
- Open-source software: Open CV, ROS, Docker, PX4
- Optional 4G for cellular carrier-based networks

Modularity
Designed to enable smaller, robots, objects, or wearables

- 57.5g total weight
- 100.32mm x 39.57mm x 17.47mm
- Self-contained camera mezzanine with onboard compute
- Easily mountable on drones, robots or wearable IoT devices