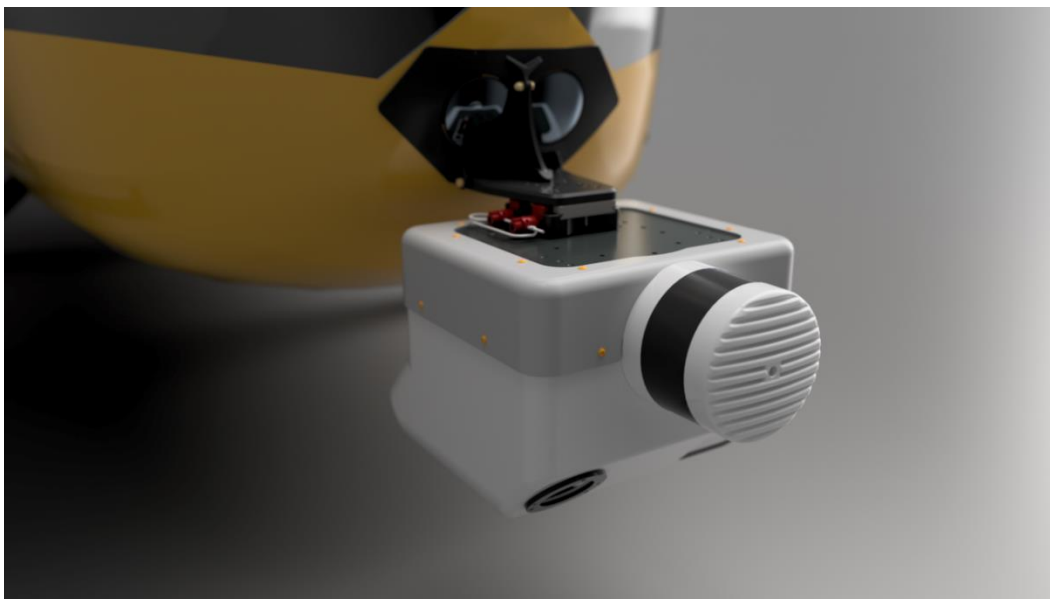




mDAM pod with Alpha Prime Lidar

Lidar mapping solution for helicopter or similar with software for creation of a colored point cloud and generation of orto photo and oblique images.



Technical spec:

Scanner	Velodyne Alpha Prime or Ultra puck
Laser Range	300 m
Precision	3 cm
Scanner field of view	360°
GNSS/Inertial solution	Surveying grade GNSS coupled with tactical grade IMU
Cameras	1 x Forward oblique camera with various custom select FOV
	1 x Backward oblique camera with various custom select FOV
	1 x ORTO/NIR camera with wide FOV
	1 x Thermal camera with wide FOV



Platform specification:

Weight	20 kg
Power consumption	500 W
Operating voltage	12/24 V
Operating temperature	0 to +40 °C
Dimensions	55 x 39 x 32 cm

Software

Included or as option in the package is software for

- GNSS/IMU Integration
- Point cloud generation and colorization
- Orto photo mosaic creation

Calibration

The mDAM pod comes pre-calibrated for INS, camera, and Lidar.

Point cloud

The point cloud can be generated in LAS format in the most common map projections.