

# YellowScan Mapper II.

## Entry level UAV LiDAR solution

Mapper II is a fully integrated  
LiDAR at an affordable price.

Ideally suited to get point from  
the middle level vegetation  
thanks to its 3 echoes.



Technologies inside

**applanix**

**ibeo**  
AUTOMOTIVE



Key differentiators

- ▶ Rugged scanner
- ▶ 3 echoes
- ▶ Budget friendly



UAV Integrations

- ▶ Multirotor drones

## Technical specifications.

Scanner	Ibeo LUX Class 1 laser
Wavelength	905 nm
Precision <sup>(1) (3)</sup>	15 cm
Accuracy <sup>(2) (3)</sup>	10 cm
Scanner field of view	110°
Shots per second	18.5k
Echoes per shot	Up to 3
GNSS-Inertial solution	Applanix APX-15 UAV

## Package includes.

- ✓ Pelican case containing:
  - ▶ YellowScan Mapper II
  - ▶ Charger and 2 batteries
  - ▶ GNSS antenna and cable
  - ▶ 2 USB flash drives
  - ▶ Documentation
- ✓ Boresight calibration certificate
- ✓ 1-year warranty
- ✓ In-person training
- ✓ Worldwide technical and operational support

## General characteristics.

Weight	2.1 kg (4.6 lbs) battery included
Autonomy	1.5 hours typ.
Power consumption	15 W
Operating temperature	-20 to +50 °C
Size	L 15.5 x W 20.3 x H 17.6 cm

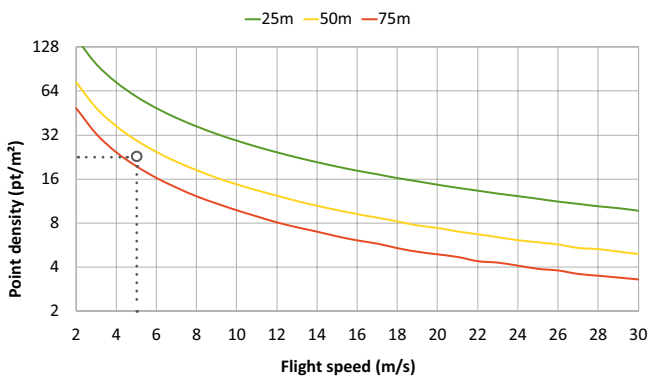
- (1) Precision, also called reproducibility or repeatability, accounts for the variation in successive measurements taken on the same target.
- (2) Accuracy is the degree of conformity of a measured position to its actual (true) value.
- (3) One  $\sigma$  @ 50 m, nadir.

- ✓ Software:
  - ▶ Applanix POSPac UAV, to post-process GNSS and inertial data for highest accuracy
  - ▶ YellowScan CloudStation, to generate and visualize your georeferenced point cloud

### Optional:

- ▶ YellowScan LiveStation, the real time in flight LiDAR monitoring kit (software + 2 radio-modems)
- ▶ Warranty and technical support extensions

## Typical mission parameters.



FLIGHT SPEED  
**5 m/s**



ALTITUDE  
**60 m**



SWATH  
**120 m**

