

# 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.

### ✓ Hardware:

- ▶ YellowScan Mapper II
- ▶ Charger and 2 batteries
- ▶ GNSS antenna and cable
- ▶ 2 USB flash drives
- ▶ Documentation

### ✓ Services:

- ▶ 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.

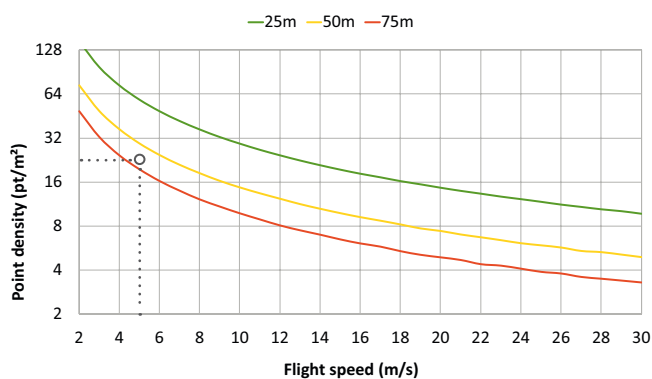
### ✓ Software:

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

### ⊕ Optional:

- ▶ Mounting bracket
- ▶ 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

