

YellowScan Mapper II.



applanix

ibeo
AUTOMOTIVE



Technical specifications.

Scanner	Ibeo LUX Class 1 laser
Wavelength	905 nm
Precision ^{(1) (3)}	15 cm
Accuracy ^{(2) (3)}	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

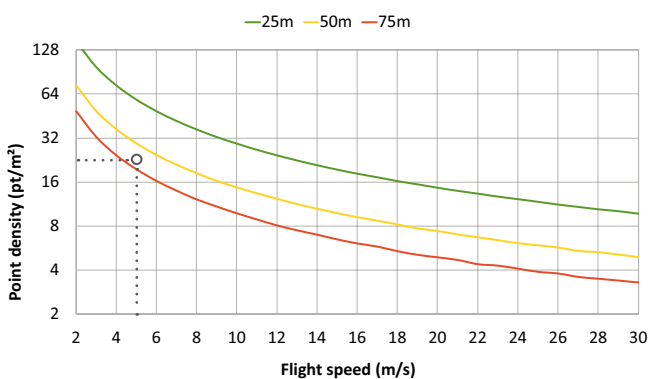
- (1) Precision, also called reproducibility or repeatability, accounts for the variation in successive measurements taken on the same target.
- (2) Accuracy is the degree of conformity of a measured position to its actual (true) value.
- (3) One σ @ 50 m, nadir.

- ✓ 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

