YellowScan Mapper.

The next-generation of integrated UAV LiDAR solution

YellowScan Mapper is next generation of integrated lidar solution.

It's low weight , mid-range capability, top-end point density and advanced accuracy and precision, makes it the best value for money in our portfolio.

It is dedicated to UAV borne mapping applications.

Technologies inside

applanix LIVOX

Key differentiators

- High point density
- Compact
- Advanced point cloud precision

UAV Integrations

- Multirotor drones
- Helicopter drones
- Fixed-wings

Technical specifications.

Scanner	Livox Horizon
Wavelength	905 nm
Precision(1) (3)	2 cm
Accuracy(2) (3)	3 cm
Scanner field of view	81.7 °
Shots per second	240k
Echoes per shot	Up to 2
GNSS-Inertial solution	Applanix APX-15 UAV

General characteristics.

Weight	1.6 kg (3.5 lbs) battery included
Autonomy	1.5 hours typ.
Power consumption	19 W
Operating temperature	-20 to +40 °C
Size	L 14.4 x W 9.5 x H 14.2 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.

Package includes.

✓ Hardware:

- YellowScan Mapper
- DJI Skyport adapter for M300 / M200
- Charger and 2 batteries
- GNSS antenna and cable
- 2 USB flash drives

✓ Services:

- Boresight calibration certificate
- 1-year warranty
- In-person training
- Worldwide technical and operational support

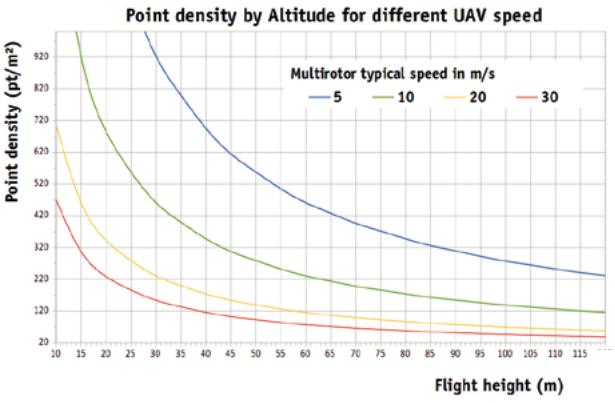
✓ Software:

- 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 for DJI M600
- Single 20 Mpx camera module
- YellowScan LiveStation, the real-time in-flight LiDAR monitoring kit (software + 2 radio-modems)
- Warranty and technical support extensions

Typical mission parameters.



FLIGHT SPEED
10 - 20 m/s

ALTITUDE
70 m

SWATH
120 m