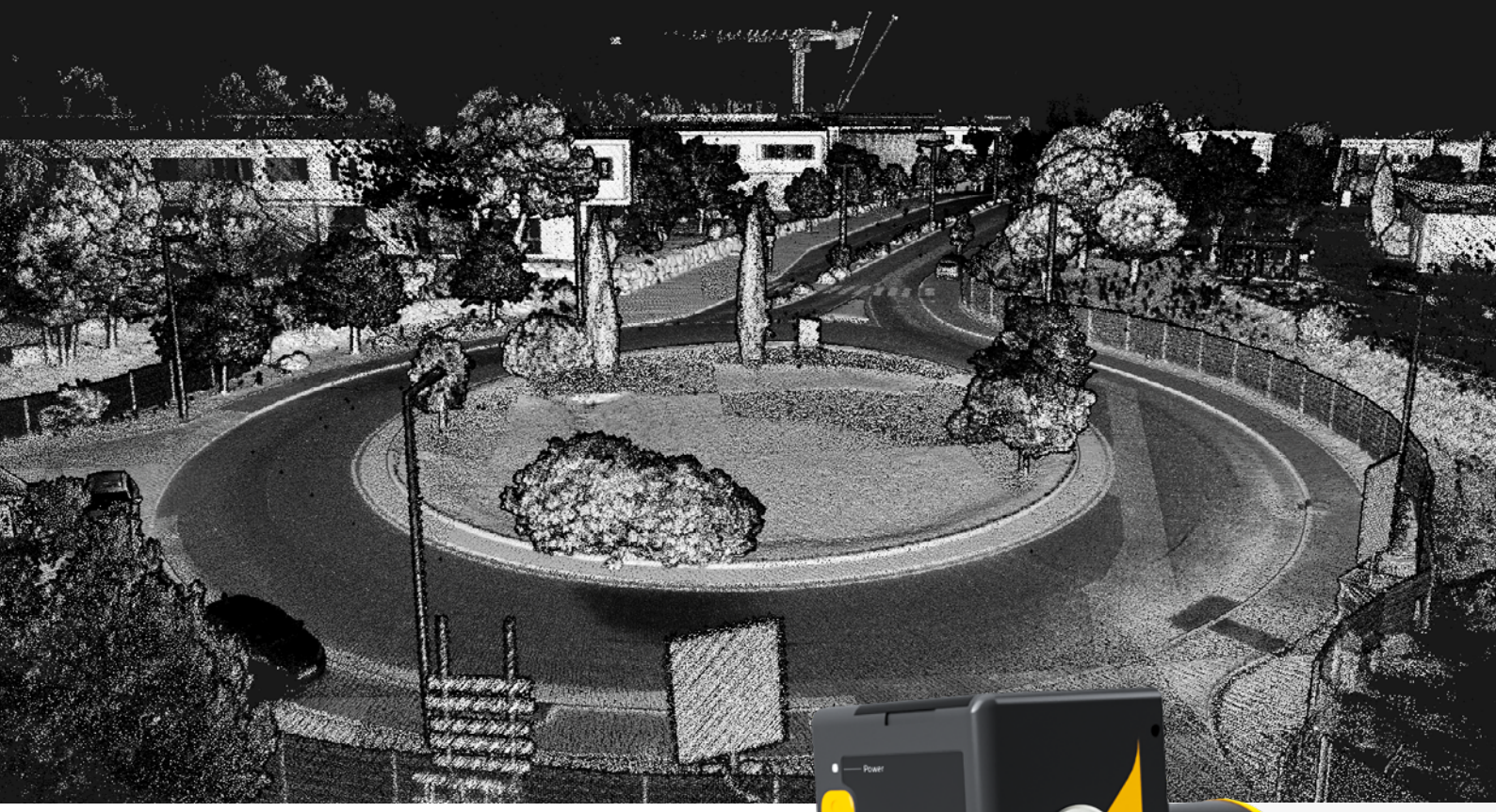
YellowScan | Designed to Innovate



NEW GENERATION

YellowScan Surveyor Ultra.

The new and improved second generation of Surveyor Ultra integrating Hesai's XT32M2X scanner

Expect better accuracy, precision, intensity, and lighter weight than its predecessor.

With the combination of a proven inertial and navigation system and a multi-channel 360° laser scanner, this new version is ready to show it all.

Technologies inside

applanix

HESAI

Key differentiators

- High point density
- Outstanding scanner range
- Fly&Drive ready

Integrations

- Multirotor drones
- Helicopter drones
- Fixed-wings
- Land vehicles

PRELIMINARY DATASHEET

Technical specifications.

Scanner	Hesai XT32M2X
Laser range @10% target reflectivity	140 m
Precision(1) (3)	3 cm
Accuracy(2) (3)	3 cm
Scanner field of view	360°
Shots per second	640k
Echoes per shot	Up to 3
GNSS-Inertial solution	Applanix APX-15 UAV

General characteristics.

Weight	1.32 kg (2.92 lbs) battery included
Autonomy	1:20 hour typ.
Power consumption	22 W
Operating temperature	-10 to +40 °C
Size	L 16 x W 10.3 x H 13.8 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 Surveyor Ultra
- 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

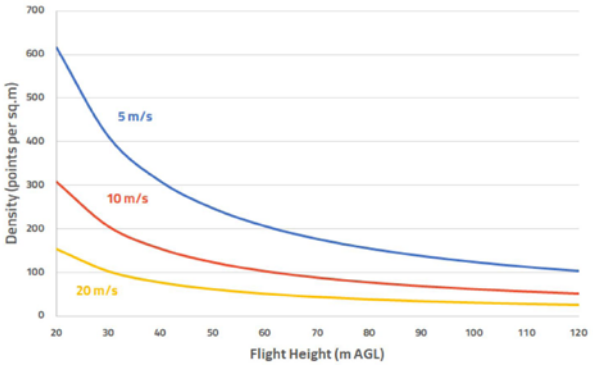
✓ Software:

- 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 with single or dual Sony α6000 camera for DJI M600
- DJI skyport or Gremsy quick release adapters
- YellowScan LiveStation, the real-time in-flight LiDAR monitoring kit (software + 2 radio-modems)
- Warranty and technical support extensions
- YellowScan Fly & Drive

Typical mission parameters.



FLIGHT SPEED
5-30 m/s

ALTITUDE
90 m

SWATH
312 m