

Technical specifications.

Laser scanner	Livox AVIA
GNSS inertial solution	Applanix APX-15 UAV
Precision (1) (3)	3.5 cm
Accuracy ^{(1) (3)}	4 cm
Typ. flight speed	10 m/s
Typ. flight height	80 m
Max. rec. flight height	100 m
Point density	170 pts/sqm @ 100m AGL 10 m/s
Laser range	Up to 230 m
Laser wavelength	905 nm
Scanner field-of-view	70.4° x 4.5°

 Precision, also called reproducibility or repeatability, accounts for the variation in successive measurements taken on the same target.
Accuracy is the degree of conformity of a measured position to its actual (true) value.

Package includes.

Hardware :

- YellowScan Mapper+
- Quick release mounting mechanism (DJI skyport or Gremsy)
- 2 batteries
- UAV GNSS antenna and cable
- 2 USB flash drives
- Rugged backpack

Max. data generated (4) 720 000 points/sec Echoes per shot Up to 3 Shots per second Up to 240 000 Scanning frequency Up to 10 Hz **RGB** camera Optional Weight 1.1 kg (2.4 lbs) batt. excl. Size L 150 x W 104 x H 132 mm Battery autonomy 1 hour typ. Power consumption 35 W Operating temperature -10 to +40 °C

(3) 1σ @ 50 m, nadir.
(4) Theoretical maximum of points with all shots yielding the maximum number of echoes. May vary depending on flight and survey conditions, and surveyed environment.

Services :

- I-year warranty & unlimited technical support
- In-person or online training
- Boresight calibration certificate
- ✓ Software :
 - Applanix POSPac to post-process GNSS and inertial data for highest accuracy
 - CloudStation Essential Visualize, inspect, colorize from orthophotos, and export your data.

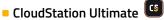
+ Optional accessories and enhancements :

- Stand-alone mounting bracket for DJI M600/300
- DJI Skyport to Gremsy or Gremsy to DJI Skyport adapters
- YellowScan LiveStation: the real-time in-flight LiDAR monitoring kit (includes software & 2 radio-modems)
- Warranty and technical support extensions
- Single- or Dual-camera modules (RGB)



CloudStation Pro

Visualize, inspect, refine your data quality, enrich your data with classification and color, and unlock more export features.



Zero compromise, all features activated. Includes Orthophoto generation and Command Line (ytk) processing for automation & batching.

