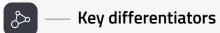


Jump into the LiDAR revolution.

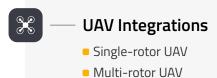
Easy mapping redefined.

Start your LiDAR journey with our easy-to-use Mapper system. Its low weight, mid-range capability, top-end point density, as well as advanced accuracy and precision, make this LiDAR system the best value for money.





- Adaptable to smaller UAVs
- Easy & efficient mapping
- "Plug and play" camera module option



VTOL UAV

Technical specifications.

Laser scanner	Livox Horizon
GNSS inertial solution	Applanix APX-15 UAV
Precision (1)(3)	4 cm
Accuracy (2) (3)	4 cm
Typ. flight speed	10 m/s
Typ. flight height	60 m
Max. rec. flight height	70 m
Point density	230 pts/sqm @ 60m AGL 10 m/s
Laser range	Up to 130 m
Laser wavelength	905 nm
Scanner field-of-view	81.7°x 25.1°

⁽¹⁾ Precision, also called reproducibility or repeatability, accounts for the variation in successive measurements taken on the same target.

Max. data generated (4)	480 000 points/sec
Echoes per shot	Up to 2
Shots per second	Up to 240 000
Scanning frequency	Up to 10 Hz
RGB camera	Optional
Weight	1.3 kg (2.9 lbs) batt. excl.
Size	L 143 x W 98 x H 149 mm
Battery autonomy	1 hour typ.
Power consumption	19 W
Operating temperature	-10 to +40 °C

^{(3) 1}σ @ 50 m. nadir.

Package includes.

✓ Hardware:

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

✓ Services :

- 1-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
- Stand-alone mounting bracket for DJI M210
- 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-camera module (RGB)



CloudStation Pro

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

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



⁽²⁾ Accuracy is the degree of conformity of a measured position to its actual (true) value.

⁽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.