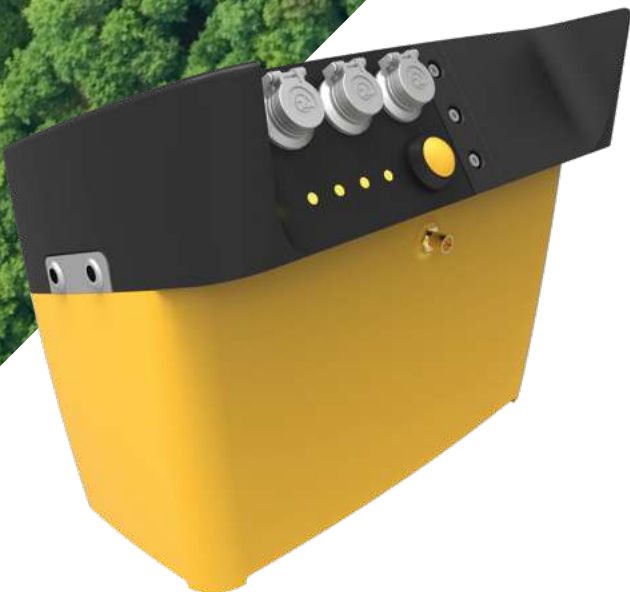


YellowScan Mapper II

The reliable LiDAR solution for UAVs

YellowScan's commitment is to provide the best integrated LiDAR systems and outstanding customer support for demanding UAV applications.

YellowScan Mapper II is a reliable lightweight turn-key system, with stream-lined direct georeferencing workflow. This surveying solution is highly suitable for your under-vegetation 3D modelling and short-time data processing needs. The Mapper II is quickly and easily adapted to any drone or ultra-light aircraft.



YellowScan

“The micro topography of an archaeological site of 10 ha, known since the 19th century but never explored because of its thick vegetation cover, has just been obtained thanks to a UAV Survey with the YellowScan Mapper”

Isabelle Heitz, Geologist & Geophysicist

Technical specifications

- Ibeo LUX Class 1 laser
 - Wavelength: 905 nm
 - Maximum range: 200 m abs.
 - Typical operating altitude: 10 - 75 m
 - Precision: 10 cm¹
 - Accuracy: (XY) 15 cm (Z) 5 cm
- NB: Can be optimized with standard post processing
- Scanner field of view: 100 °
 - 18 500 shots per second
 - Multi-echo technology: up to 3 echoes per shot
 - 220 Channels GNSS: GPS, GLONASS, BeiDOU
 - RTK and PPK mode available
 - Operating temperature: -20 °C to +50 °C

Included accessories

- 2 batteries + charger
- POSPac™ UAV, GNSS and INS processing software
- YellowScan Software, to produce geo-referenced point cloud

Optional accessories

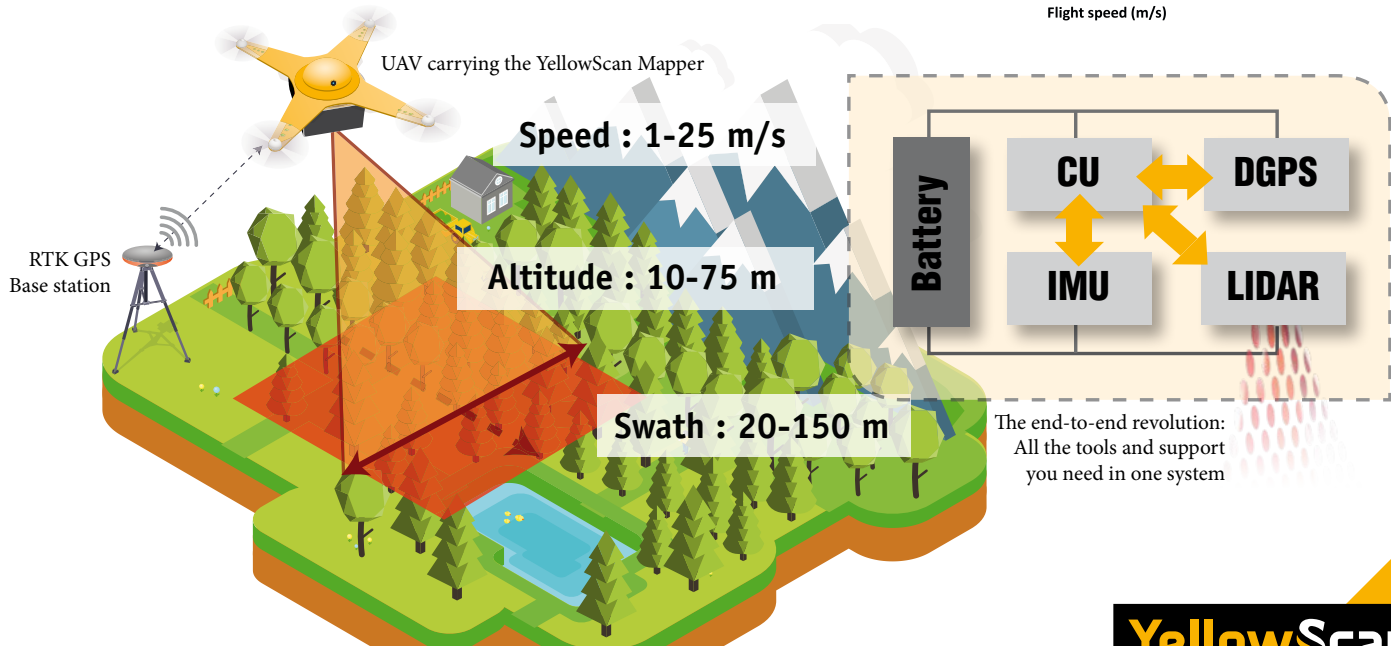
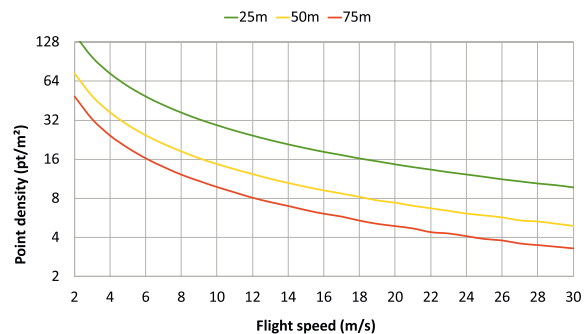
- 24,3 MP RGB camera with YellowScan synchronization cable
- YellowScan LiveStation, the real-time in-flight LiDAR monitoring kit (software + 2 radio-modems)

Power and dimensions

- Weight: 2.1 kg battery included
- Autonomy: 1.5 hours typ.
- Size (cm): L 15.4 x W 20.3 x H 17.6
- Power consumption: 15 W

(1) Precision, also called reproducibility or repeatability, is variation in measurements taken on the same target

Point density by flight speed and altitude



The end-to-end revolution:
All the tools and support
you need in one system

www.yellowscan-lidar.com

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