

# YellowScan Vx

The high precision & long-range  
LiDAR solution for UAVs

YellowScan's commitment is to provide the most reliable integrated LiDARs and outstanding customer support for demanding UAV applications.

YellowScan Vx is a lightweight turn-key LiDAR system. This surveying solution is ideally suited for long-range survey needs, advanced accuracy and precision, under-vegetation 3D modelling and short-time data processing.



*“With the ability to collect high density accurate point cloud from the air, projects that might have taken several days in the past can now be done within a day. It is revolutionizing the survey industry”*

*Joe Hutton, Director of Airborne Inertial Technology, Applanix*

### Technical specification

- RIEGL miniVUX-1UAV Class 1 Laser
- Wavelength: 905 nm
- Maximum range: 250 m abs.
- Typical operating altitude: 10 - 100 m
- Precision: 1 cm
- Accuracy: 2.5 - 5 cm  
Depending on IMU (Applanix APX-15 or APX-20) and flight altitude
- Scanner field of view: 360 °
- 100 000 shots per second
- Multi-echo technology: up to 5 echoes per shot
- 200 Channels GNSS: GPS, GLONASS, BeiDou  
RTK and PPK mode available
- Operating temperature: -20 °C to +40 °C

### Included accessories

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

### Optional accessories

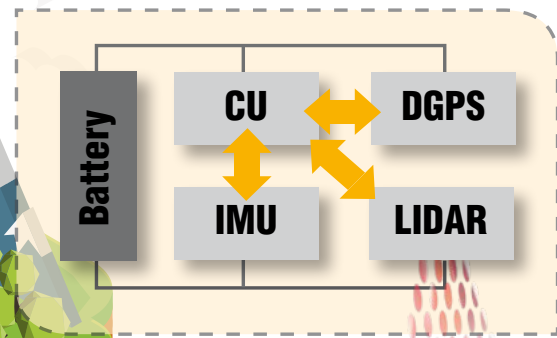
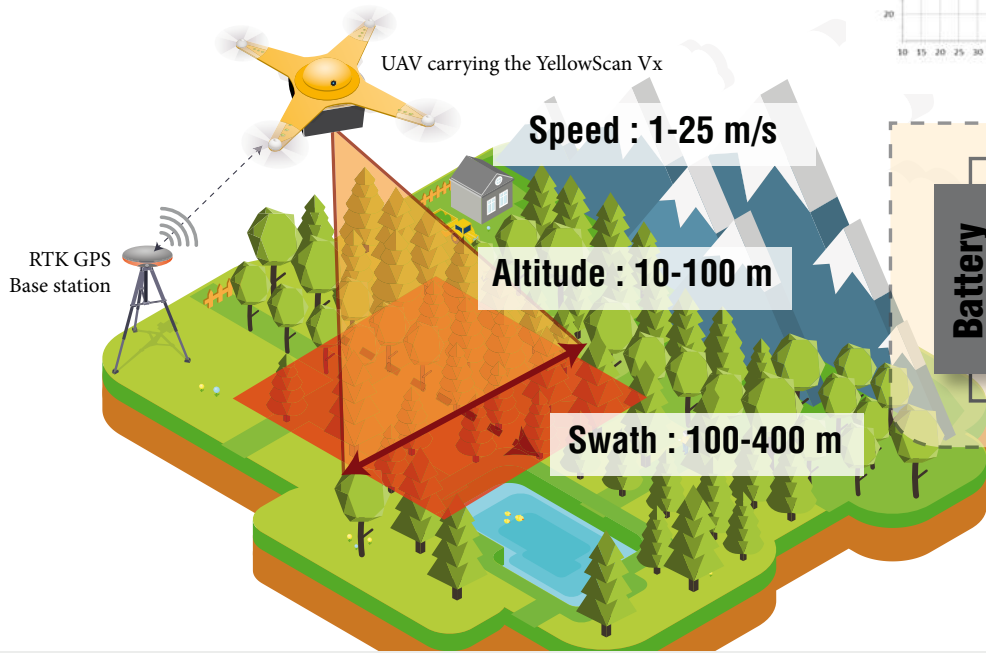
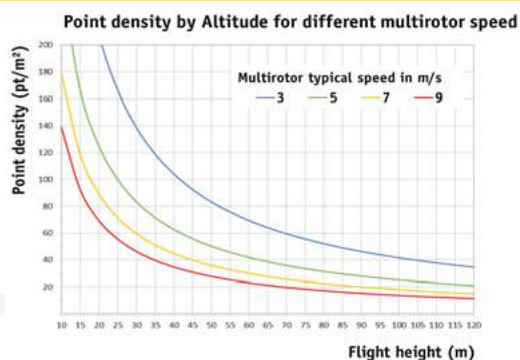
- 24,3 MP RGB camera with YellowScan synchronization cable
- YellowScan LiveStation, the real-time in-flight LiDAR monitoring kit (software + 2 radio-modems)

### Power and dimensions

- Weight: 2.95 kg or 3.3 kg  
Depending on IMU (Applanix APX-15 or APX-20)
- Autonomy: 1.5 hours typ.
- Size (cm): L 33 x W 12 x H 15
- Power consumption: 25 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](http://www.yellowscan-lidar.com)



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