



YellowScan Fly & Drive.

Fly when you can,
Drive when you must.

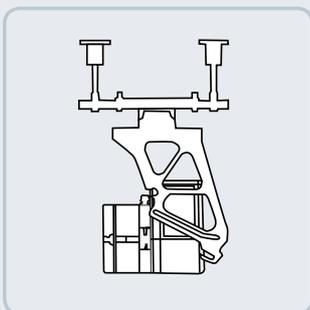
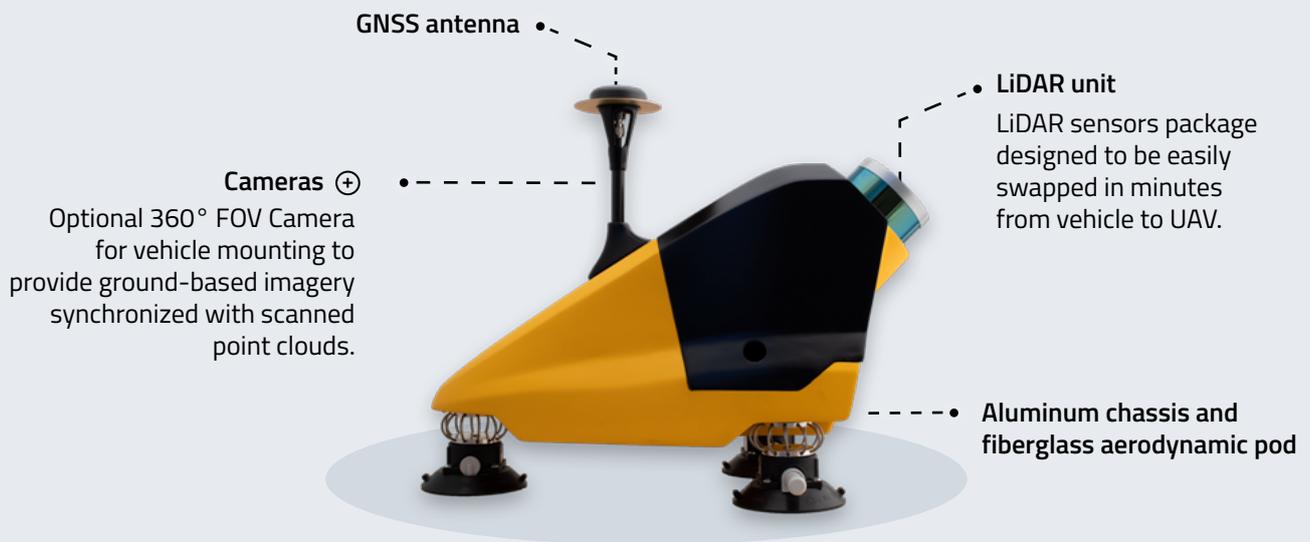


YellowScan Fly & Drive

*Multi-platform LiDAR for geospatial
survey scanning from air to ground*

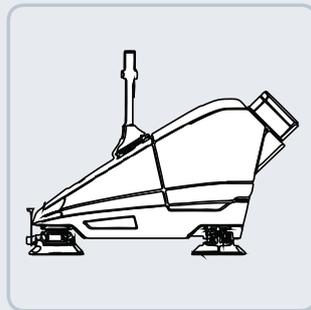
Solution

The YellowScan Fly & Drive is a versatile land vehicle-mounted or UAV-mounted mobile mapping system which combines high resolution laser scanning and precise positioning to collect georeferenced point clouds for a wide range of applications.



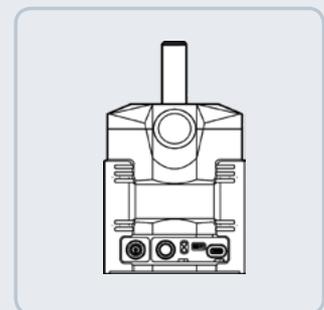
M600 Mounting system
For Surveyor or Surveyor
Ultra, integrated shock
absorbers

+



Fly & Drive system
Suction mounts for use on
any roof, GNSS antenna
mount and camera interface

+



Compact camera system
For 360° panoramic
imaging.

Solution designed in partnership with



Why Fly & Drive ?

*YellowScan Fly & Drive represents
a new frontline in geospatial point
cloud acquisition*

From the air to ground

The system can be rapidly deployed on road vehicles as well as on any types of UAVs (multirotor, helicopter, VTOL or traditional fixed-wing), expanding the range of applications and thereby hastening your return on investment.



Light weight and low power consumption. Installation on any kind of UAVs and vehicles.



Precision positioning using high end GNSS and IMU coupled system.



High frequency laser scanner allowing good productivity without compromise on point density.



Multi-scope mobile (ground) and UAV (airborne) mapping systems.



Land vehicle and UAV

Designed for a maximum operational flexibility and full coverage from the air and from the ground.



Easy to use

Reduces project duration through fast implementation, collection and data analysis.



Workflow

Highly efficient and well-tested workflow analysis.

System Configuration

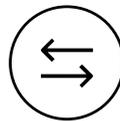
Customizable system according to the customer's needs

Fly when you can, drive when you must

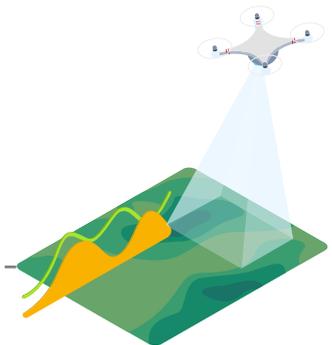
YellowScan Fly & Drive will move the user into another level of possibilities and productivity. The swap between car and UAV is done in less than 5 minutes.



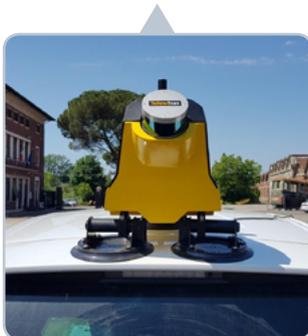
Car LiDAR Acquisition



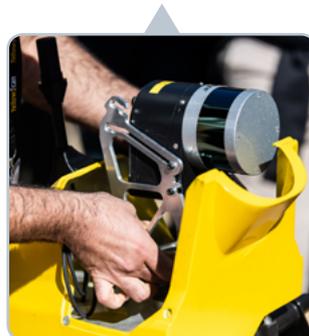
Easy swap



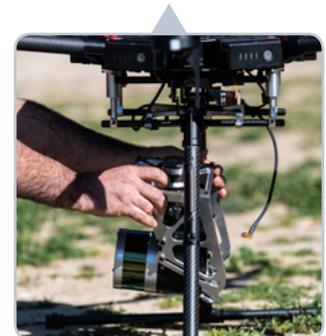
UAV LiDAR Acquisition



The Fly & Drive car pod can be mounted to any vehicle



The swap between car and UAV takes less than 5 minutes



The bracket allows smooth and quick mounting on DJI M600



YellowScan LiveStation

Real-time point cloud monitoring station for UAV & car data collection.



YellowScan CloudStation

Fully-integrated software to generate and visualize point-clouds.

Final results
LAS generation & final point clouds

What's Included

Fully-integrated LiDAR solution with all tools and support

Package configuration

Fly & Drive is a combo that can do mobile mapping & aerial survey using the same LiDAR (Surveyor or Surveyor Ultra). The setup consists of a car pod, adaptable bracket and GNSS antenna.

✓ LiDAR unit - Fly & Drive option :



YellowScan Surveyor

The lightest and most versatile YellowScan LiDAR solution.

Key Differentiators

- Fits most applications
- Compact
- Light

OR



YellowScan Surveyor Ultra

Provides the highest point density from YellowScan's product range.

Key Differentiators

- High point density
- Maximized range
- High productivity

✓ Hardware :

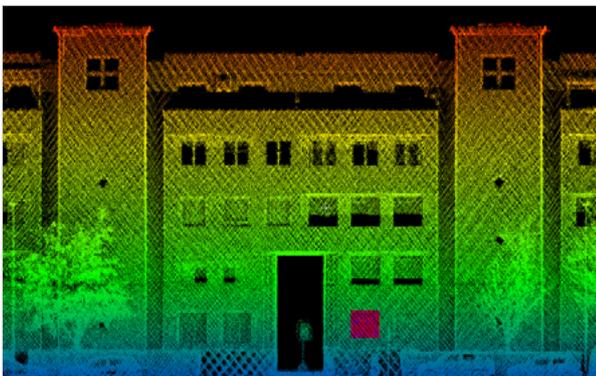
- ▶ Mounting bracket compatible with UAV and land vehicles
- ▶ Fly & Drive car pod
- ▶ GNSS antenna and cable

✓ Software :

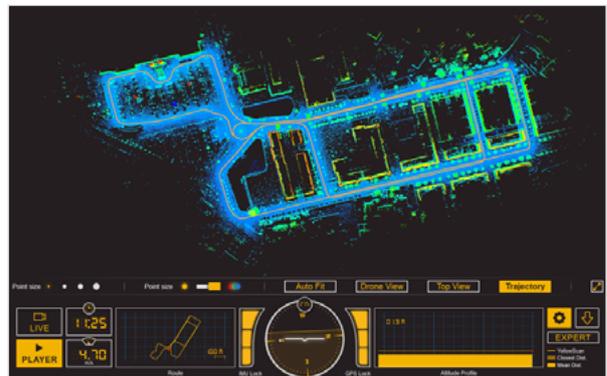
- ▶ YellowScan CloudStation
- ▶ Applanix POSPac MMS

⊕ Optional :

- ▶ Single or dual camera options for DJI M600 UAV
- ▶ 360° panoramic camera for vehicle mounting
- ▶ DMI (odometer)
- ▶ Power supply cable for vehicle
- ▶ YellowScan LiveStation



*LiDAR point cloud using YellowScan Surveyor
Car speed: 20km/h - Facade distance: 15m*



*Live visualization and mission replay
with YellowScan LiveStation*



LiDAR for UAV.

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