

ScanLook Revolution Series

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LiDARUSA makes mobile mapping easy with the VectorNav 300

Revolution comes equipped with one of several LiDAR scanners including the Velodyne Puck, Puck Lite, and Quanergy M8. When combined with the Puck Lite the completed system weighs less than 1kg (battery not included). The system can be powered by something as simple as a 1500 mah battery capable of operating the system for upwards of 30 minutes.



The on-board data storage has enough capacity to hold well over a weeks' work in addition to the small external USB stick that is very handy for rapid transfer from Revolution to the desktop for further processing. The system has a simple illuminated on/off button and is controlled via wifi from any smart device. The software has a familiar web interface with just the right information to facilitate a successful data capture mission.

In the mobile mapping market Revolution opens a wide range of opportunities for NEW USERS. Able to be carried in a VERY SMALL CASE & deployed on virtually any platform, Revolution broadens the landscape of applications, users, & potential.

If improved positioning accuracy is required there are two very good options available to the user: 1) use an external GNSS receiver or 2) use control points. In the former case, any system that can deliver time stamped positioning can be used to improve the VN-300 trajectory and resulting point cloud. In the case of control, just as with any mobile mapping system, control points can improve the point cloud to a much more accurately geo-referenced system especially in areas needing higher accuracy than GNSS or in areas with poor GNSS coverage.

Revolution can be mounted to any of the heavier lift UAVs with 1 to 3kg lift capacity. Purchased with the provided UAV, gets you 25 minutes of safe flight time.

While UAV imaging systems are doing a splendid job of capturing a large variety of environments, Revolution provides the next step for the professional who needs to deliver an even richer environment for measurement. This includes bare earth capabilities (or the ability to measure beyond the overlaying vegetation) that account for the majority of our natural environment.



CALL us today and add REVOLUTION to your toolbox!