



System Specifications

Mapping

- LiDAR based SLAM
- Demonstrated < 10cm georeferenced accuracy in post process
- 3D map georeferenced to mine coordinate system
- Output data available in .las, .csv, or .ply format

User Interface

- Ruggedized tablet with proprietary exynView software to set and launch mission
- Easy mission setup and one button launch
- Live mission view on tablet when comms are available

Data Management

- ~500GB storage for flight data (1 min = 3GB)
- Easy data transfer off tablet via USB or network

Key Sensors

- Velodyne LiDAR Puck LITE™, class 1 laser
- 16 channel, 100 meter range
- 300,000 points per second, dual return
- Gimbaled system with 360-degree field of view
- HD Visual Camera

Flight Time & Range

- Max Flight Time: ~15 minutes per battery
- Approximate range: 1.6km

Size & Weight

- Fully Assembled with Propellers: 883x886x520 mm
- Without Propellers/Landing Gear Folded: 722x282x380 mm
- Box: 850x560x330 mm
- Weight (including batteries): 6.7kg
- Shipping Weight: 24kg