

iLinks IntelLAS™ MOBILE LiDAR SYSTEM



- Standalone mobile LiDAR
- Works at Highway Speeds
- Motion Reference Unit
- Fiber Optic Gyro Compass
- GNSS RTK Positioning
- Dual GNSS Heading
- 700,000 Points Per Second
- 100m Range Capability
- ± 1cm Accuracy at 100m
- 42° x 360° Field Of View
- Factory Calibrated
- Water & Dust Resistant
- Rugged Laptop PC
- HYPACK or QINSy
- Training & Support

iLinks IntelLAS™ MOBILE LiDAR SYSTEM (Long Range Version)



- Standalone mobile LiDAR
- Motion Reference Unit
- Fiber Optic Gyro Compass
- GNSS RTK Positioning
- Dual GNSS Heading
- 36,000 Points Per Second
- 250m Range Capability
- ± 3cm Accuracy at 100m
- 360° Field Of View
- Factory Calibrated
- Water & Dust Resistant
- Rugged Laptop PC
- HYPACK or QINSy
- Training & Support

iLinks launch the first truly portable mobile LiDAR system which operates at highway speeds

In response to their customers' requests for a portable mobile LiDAR system which requires no calibration when moved between mobile platforms and which has the capability to operate at highway speeds, iLinks Geosolutions LLC have designed and built the **IntelLAS™**, the first truly portable and fully functional mobile LiDAR system.

The **IntelLAS™**, has a tightly coupled Novatel GNSS and Fiber Optic Gyro based INS positioning engine which is factory calibrated by iLinks. No further user calibration is required, even when the system is moved between mobile platforms.

Users have the choice of fitting their **IntelLAS™** units with the Velodyne HDL-32E



or the Renishaw M250 Scanning Laser Module, depending on their specific needs and operational requirements.

With the capability to deliver up to 700,000 points per second and with laser accuracies of better than 2cm the **IntelLAS™** delivers accurate geospatial data in real-time with no requirement for GNSS/IMU data post processing, although the option is available.

The **IntelLAS™** mobile LiDAR system is delivered with a

fully configured rugged military specification laptop PC and a choice of QINSy or HYPACK / HYSWEEP 2015 software.

Existing QINSy or HYPACK users will be able to purchase the system without the rugged Laptop PC and software and use the system with their existing PC's and software.

The technical specifications of the iLinks **IntelLAS™** mobile LiDAR system can be downloaded from the iLinks Geosolutions LLC WEB site – www.iLinks.us

Land surveyors and engineers embrace LiDAR

iLinks have seen a significant increase in demand for mobile LiDAR products and services in the land survey and engineering communities over the past year, particularly where long sections of working highway requires surveying or inspection. Not only is the use of mobile LiDAR significantly more economical, it is much safer. With the capability to survey at highway speeds, there is no need to close of roads or risk personnel – simply drive with the traffic.

