

DYNASCAN M250 MOBILE LiDAR SYSTEM



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

M250 SCANNING LASER MODULE (SLM)



- Rugged Scanning Laser
- 36,000 Points Per Second
- 250m Range Capability
- $\pm 3\text{cm}$ Accuracy at 100m
- 360° Field Of View
- Water and Dust proof
- Marine Grade Aluminum
- Simple Vessel Installation
- Multiple Laser Support
- Fast Ethernet Output
- Time Synchronized Data
- 10.5 to 14.5V DC
- HYPACK or QINSy
- Training & Support

DYNASCAN Mobile LiDAR tested with HYPACK 2014

Following the successful testing of the new MDL Scanning Laser Module (SLM) driver, which now comes standard in HYPACK 2014, iLinks Geosolutions LLC are now offering their Land and Marine customers HYPACK and HYSWEEP as an alternative data acquisition package with all new Dynascan mobile LiDAR systems.

Existing HYPACK & HYSWEEP users can now purchase stand-alone Dynascan Mobile LiDAR systems for use with their existing HYPACK and HYSWEEP licenses. System Integration, Training and Support will be provided by HYPACK and iLinks.

Additionally, HYPACK and HYSWEEP users who own and operate Multibeam survey vessels are now able

to integrate a Scanning Laser Module to their existing vessel configuration to enable concurrent Multibeam and LiDAR 3D data acquisition.

The new Renishaw M250 is a stand-alone Scanning Laser Module (SLM) which has been specifically designed to operate in all environmental conditions.

Built from marine grade stainless steel, the M250 can be readily fitted to almost any vehicle or vessel, regardless of size, and integrated with existing positioning, motion and survey systems to provide accurate real-time 3D LiDAR data.

Both the Dynascan M250 and the M250 SLM produce time synchronized 3D point cloud data at a rate of 36,000 points per second.



With dynamic accuracies of $\pm 3\text{cm}$ at ranges of up to 250m and a 360° field of view, the Dynascan and SLM M250 systems are rugged, waterproof and ideal for Land or Marine applications.

iLinks can supply the Dynascan M250 or the SLM M250 systems and provide a turnkey solution for the Integration, Calibration and Training. iLinks will also assist with the supply and support of both HYPACK or QINSy software.

Existing HYPACK, HYSWEEP and QINSy users can use their existing software. Note that HYPACK 2014 is required.

Combined Multibeam & LiDAR is the future

By combining high resolution Multibeam and LiDAR data significant improvements in the quality and efficiency of a number of Engineering and Environmental tasks can be achieved. Soft structures, such as Beaches, Dunes and Levees can be accurately modeled in a matter of hours. Damage, Debris and routine Scour surveys can be completed quickly and efficiently by surveying the above and below the water at the same time. The resultant data sets, which contain millions of accurate 3D points, can be used to make much more informed decisions.

