Geodetics is an Advanced Sensing and Navigation Company Based in the U.S.A.

- BIM & Construction
- Agriculture
- Mining
- Infrastructure Inspection
- Oil and Gas
- Self-driving cars
- Forestry
- Tower inspection

High-Accuracy Drone-Based LiDAR Point Clouds

Geo-MMS™ LiDAR LiDAR Mobile Mapping System

“One Click” LAS Creation

Geo-MMS Compatible Products

Geo-MMS
Geo-MMS LiDAR
Geo-MMS IBAK

Location: 2649 Ariane Drive
San Diego, CA 92117

Phone: (858) 729-0872
Email: info@geodetics.com
Website: www.geodetics.com
Geo-MMS LiDAR is a LiDAR mapping payload for drone or ground vehicles. Geo-MMS LiDAR includes a high-performance dual-antenna inertial navigation system coupled with an on-board LiDAR sensor. Raw sensor data is processed in real-time or post-mission using Geodetics’ extensive software suite to provide high-accuracy directly geo-referenced LiDAR point clouds in the LAS format. Geo-MMS LiDAR is compatible with Geodetics’ Point&Pixel product for creating colorized LiDAR point clouds.

LiDAR Point Cloud Accuracy*

<table>
<thead>
<tr>
<th>IMU Grade</th>
<th>Accuracy (RMS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEMS</td>
<td>± 5 cm</td>
</tr>
<tr>
<td>Fiber Optic Gyro</td>
<td>± 3 cm</td>
</tr>
</tbody>
</table>

*Actual accuracy is dependent on GPS processing options (RTK, PPK, WAAS), ionospheric conditions, satellite visibility, flight altitude (AGL), environmental conditions, and other factors.

LiDAR Sensors: Velodyne VLP-16, HDL-32E, VLP-32C (Others available upon request)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Commercial Configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size / Weight / Power</td>
<td>44 in³ (5.5x4.0x2.0) 3.5 lbs.* / 10 – 30 VDC @ 2 Amps min.</td>
</tr>
<tr>
<td>Real-Time Data Output</td>
<td>Navigation solutions at up-to 125 Hz. available via Ethernet or RS-232</td>
</tr>
<tr>
<td>Data Recording/Logging</td>
<td>Navigation solutions, raw GPS, IMU and LiDAR point clouds</td>
</tr>
</tbody>
</table>

For more information about the Geo-MMS laser scanners, please check website at: [http://velodynelidar.com/](http://velodynelidar.com/)
*Weight with VLP-16 LiDAR without mounting assembly. Total weight depends on system options and setup configuration.

Available Options

Ready-to-Fly Packages
Selection of Drones

PPK/RTK Bundles
High-Accuracy Kinematic

Real-Time Performance Monitoring
Real-Time Point Density Map Visualization

Mounting Assembly
DJI Matrice M600 Pro

Point&Pixel
Colorized LiDAR Point Clouds

Geo-Photomap
Ground Control Free Photogrammetry