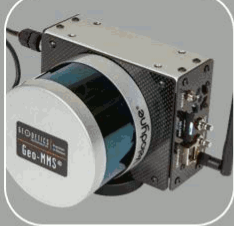
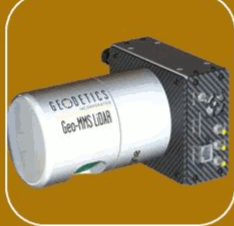


- ✓ BIM & Construction
- ✓ Agriculture
- ✓ Mining
- ✓ Infrastructure Inspection
- ✓ Oil and Gas
- ✓ Self-driving cars
- ✓ Forestry
- ✓ Tower inspection



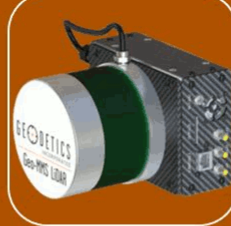
VLP-16

- 16 Laser Beams
- 100m Range



HDL-32E

- 32 Laser Beams
- 100m Range



VLP-32MR

- 32 Laser Beams
- 120m Range



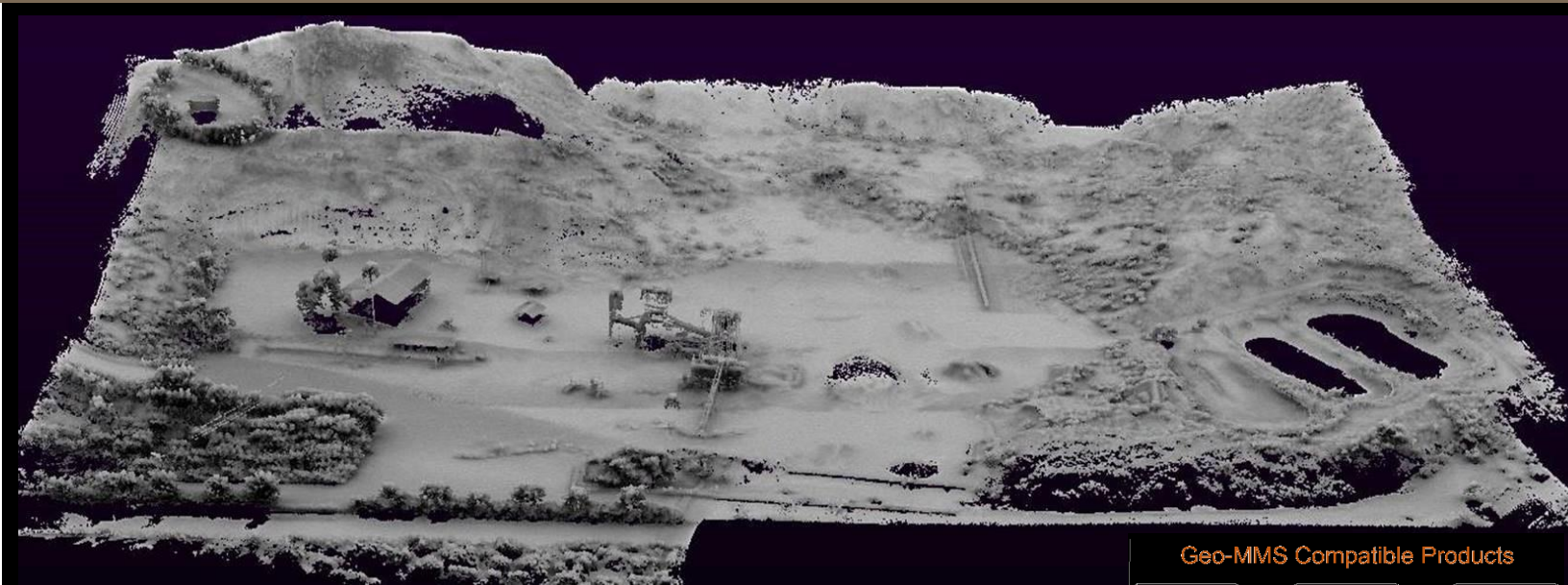
Geo-MMS-TK

Turn-key Mapping system
Includes Payload, Drone and all
Accessories

High-Accuracy Drone-Based LiDAR Point Clouds

Geo-MMS™ LiDAR

LiDAR Mobile Mapping System



“One Click” LAS Creation

Geo-MMS Compatible Products

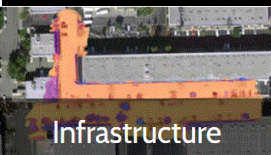
Geo-Photomap



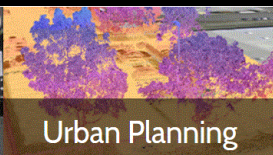
Geo-MMS LiDAR



Point&Pixel



Infrastructure



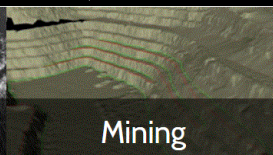
Urban Planning



Forestry



Construction



Mining



Agriculture



2649 Ariane Drive
San Diego, CA 92117



(858) 729-0872



info@geodetics.com



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 colored LiDAR point clouds.

LiDAR Point Cloud Accuracy*

IMU Grade	Accuracy (RMS)
MEMS	± 5 cm
Fiber Optic Gyro	± 3 cm

**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)

Parameter	Commercial Configurations
Size / Weight / Power	44 in ³ (5.5x4.0x2.0) 3.5 lbs.* / 10 – 30 VDC @ 2 Amps min.
Real-Time Data Output	Navigation solutions at up-to 125 Hz. available via Ethernet or RS-232
Data Recording/Logging	Navigation solutions, raw GPS, IMU and LiDAR point clouds

For more information about the Geo-MMS inertial unit, please check our website: <http://geodetics.com/product/geo-inav-tactical/>

For more information about the Geo-MMS laser scanners, please check website at: <http://velodynelidar.com/>

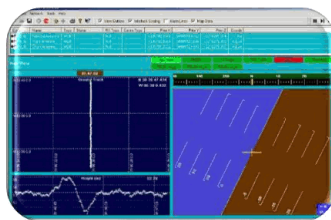
*Weight with VLP-16 LiDAR without mounting assembly. Total weight depends on system options and setup configuration.

Available Options



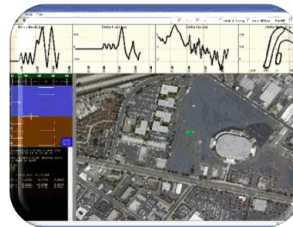
Ready-to-Fly Packages

Selection of Drones



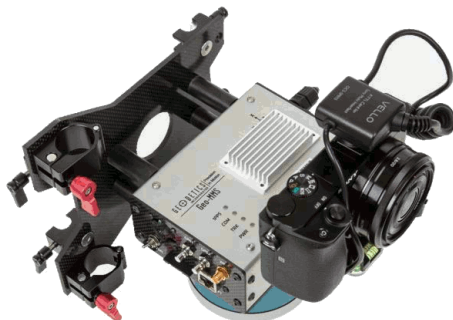
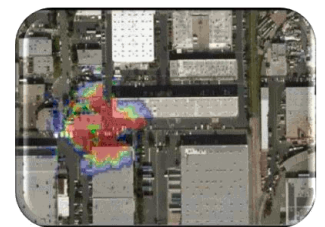
PPK/RTK Bundles

High-Accuracy Kinematic



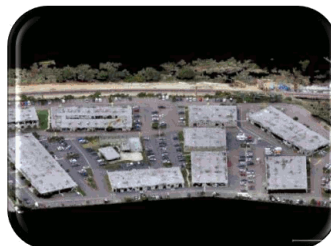
Real-Time Performance Monitoring

Real-Time Point Density Map Visualization



Mounting Assembly

DJI Matrice M600 Pro



Point&Pixel

Colorized LiDAR Point Clouds



Geo-Photomap

Ground Control Free Photogrammetry