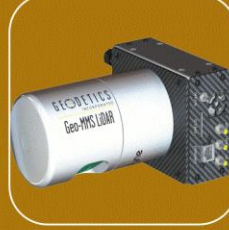


- ✓ BIM & Construction
- ✓ Agriculture
- ✓ Mining
- ✓ Infrastructure
- Inspection
- ✓ Oil and Gas
- ✓ Self-driving cars
- ✓ Forestry
- ✓ Tower inspection



VLP-16

- 16 Laser Beams
- 100m Range



HDL-32E

- 32 Laser Beams
- 100m Range



VLP-32C

- 32 Laser Beams
- 200m Range



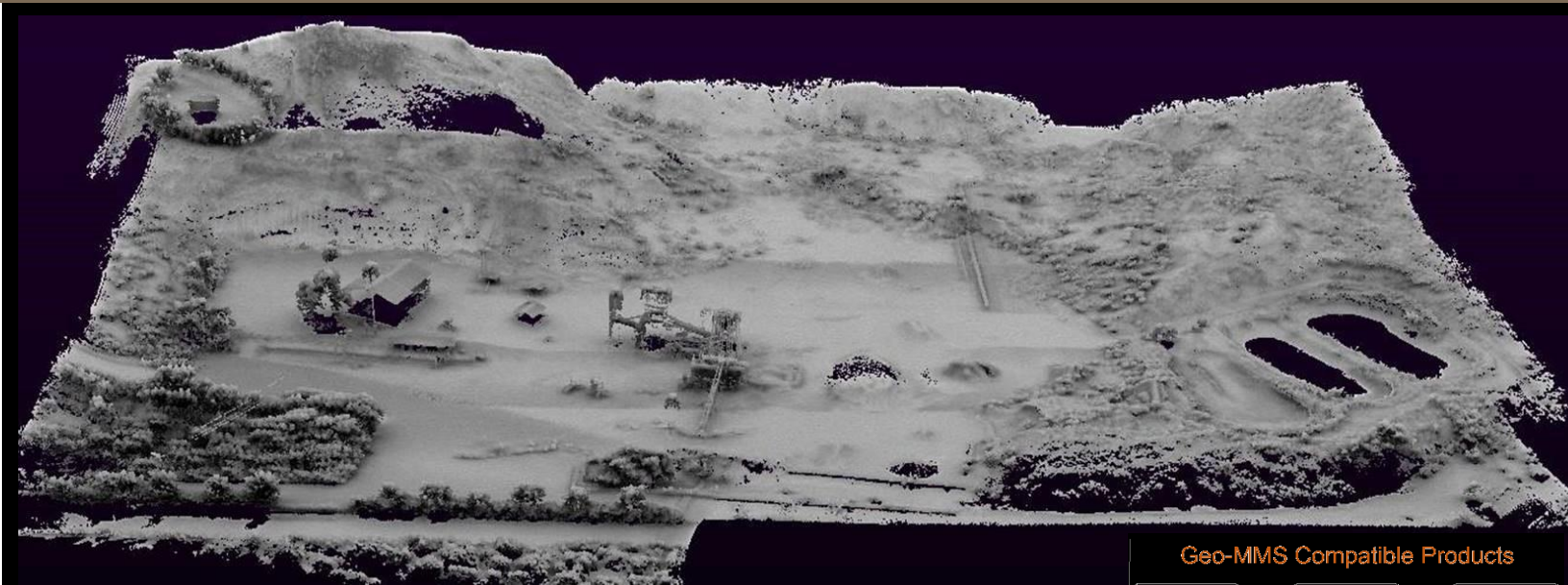
Geo-MMS-TK

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

High-Accuracy Drone-Based LiDAR Point Clouds

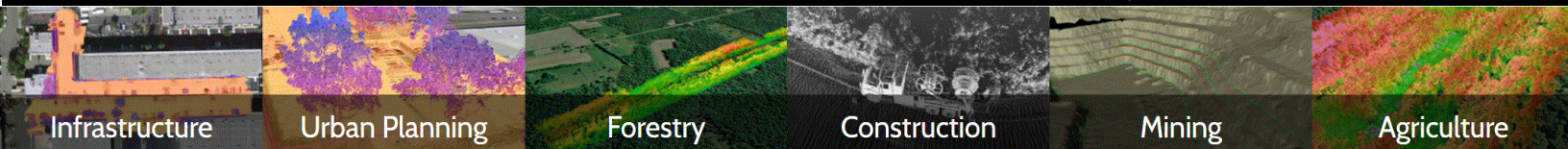
Geo-MMS™ LiDAR

LiDAR Mobile Mapping System



“One Click” LAS Creation

Geo-MMS Compatible Products



# Geo-MMS™ LiDAR LiDAR Mobile Mapping System

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
MEMS	± 5 cm
Fiber Optic Gyro	± 3 cm

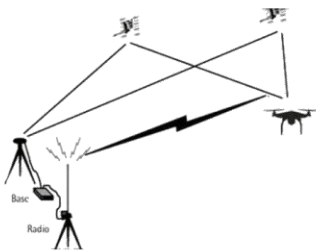
*\*Actual accuracy is dependent on GPS processing options (RTK, PPK, WAAS), ionospheric conditions, satellite visibility, flight altitude (AGL) and other factors*

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

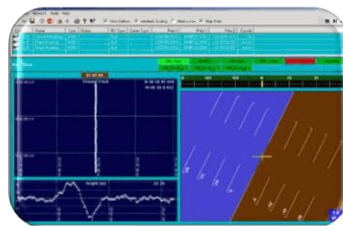
Parameter	Commercial Configurations
Size / Weight / Power	44 in <sup>3</sup> (5.5x4.0x2.0) 3.5 lbs.* / 10 – 30 VDC @ 2 Amps min.
Real-Time Data Output	Navigation solutions at up-to 125 Hz. available via Ethernet or RS-232
Data Recording/Logging	Navigation solutions, raw GPS, IMU and LiDAR point clouds

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

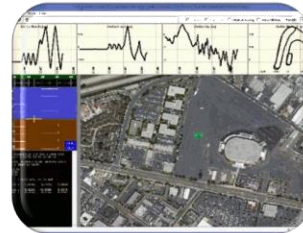
## Available Options



**RTK Bundle**  
Real-Time Kinematic



**PPK Bundle**  
Post-Processing 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