

Integrated Lidar and Camera Solutions for Airborne Wide-Area Mapping

Optech



Urban mapping

Efficiently map extensive urban areas with dense point distributions and high-resolution imagery



Natural resources

Combine lidar and multispectral sensors to characterize natural and cultivated areas



Disaster management

Survey damage and current conditions from the air efficiently, precisely and safely

Whether your deliverable is for government mapping projects, flood plain analysis, or forest management, Optech sensors are the industry-leading choice. Our suite of highly configurable lidar and digital camera sensors lead the industry in high-altitude coverage, covering the ground quickly and safely, while still capturing topographic details with high accuracy and precision.

Optech's new workflow software provides fast boresighting, optimizes the survey plan, provides in-air real-time data previews, and automates post-processing, maximizing the precision of your data and the efficiency of your survey.

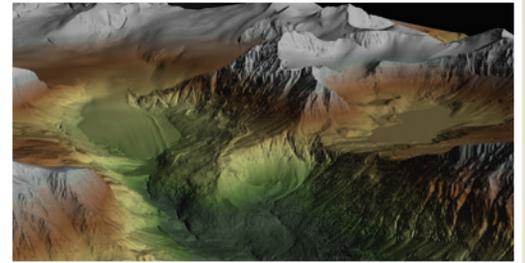
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Optech sensors fly higher while collecting more detail than any other sensors on the market, and go beyond by offering flexible configurations to fit your aircraft and project needs. Experience the difference.

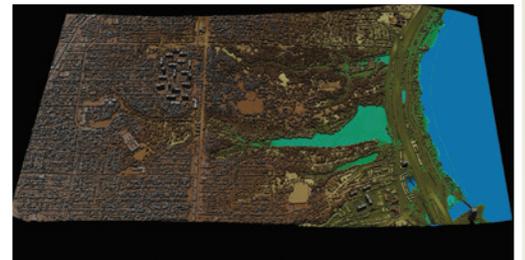


Efficiency is critical for wide-area surveys, and only sensor solutions that can collect precise details from altitudes that cover more area in less time make the grade. Optech lidars such as the Orion H and Pegasus ALTM, plus seamlessly integrated cameras like the CS-10000, are optimized for wide-area operations. Specialized mounts and GSM integration offer unparalleled flexibility, sensor alignment, and operational savings. The CS-15000 digital camera provides a wide-area solution for those transitioning from analog systems with the hope of reducing operational costs.

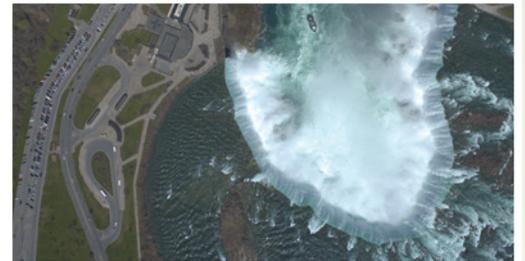


High Altitude Efficiency

- Record-breaking collection efficiency at high altitudes
- Tightly integrated lidar and camera sensors expand applications
- Scalable mounts and kinematic alignment fit various platforms
- New automated boresighting and processing workflows reduce costs
- Film replacement solutions provide dramatic processing efficiencies



Wide-Area Detail



Integrated Cameras



LF-410 mount for integrating lidar and cameras in a GSM



Orion H ALTM in LF-410 mount and GSM



160-MP CS-15000 digital camera in CF-410 mount