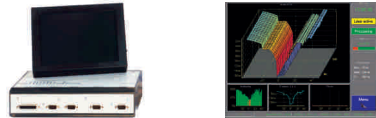


LiteMapper[™] - Components Overview

Sensor Management System



The *LMcontrol* manages and controls the LiDAR unit during airborne missions. The high resolution touch screen display provides a comfortable graphical user interface.



Airborne Laser Scanner



The following constellations are available:
LiteMapper 2400: Riegl scanner LMS-Q240/i
LiteMapper 5600: Riegl scanner LMS-Q560
LiteMapper 5600i: for the new Riegl scanner LMS-Q560i



DigiCAM - Medium-format Airborne Digital Camera (option)



The *DigiCAM* system is based on a professional high-resolution camera with 39 Mega pixels. The system is available with color (RGB) or color-infrared (CIR) filters and a variety of calibrated lenses with different focal lengths. The *DigiCAM* integrates perfectly with the *LiteMapper* system.



CCNS4 Computer Controlled Navigation System



The *CCNS4* is the guidance, positioning and sensor management system for aerial surveys with an integrated GPS receiver and antenna.

The system is operated easily through the Command & Display Unit.



AEROcontrol DGPS / IMU System



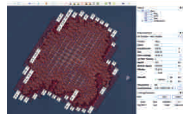
AEROcontrol is the solution for the precise determination of position and attitude of an aerial sensor. *AEROcontrol* is based on differential GPS (DGPS) and an Inertial Measurement Unit (IMU-IIId) using fibre-optic gyros with a data rate of 256 Hz.



IGIplan Mission Planing Software



- GoogleEarth[™] format support
- Worldwide coordinate system support
- Raster & vector map support for common file formats
- Support for many DTM raster formats
- Drag and modify flight lines interactively
- Full support for IGI's *CCNS4*
- Video tutorials



RiPROCESS, RiWORLD and RiANALYSE 560 Software



RiPROCESS is designed for automated correction of LiDAR data. *RiANALYSE 560* for processing airborne laser scanner data and *RiWORLD* for coordinate transformation of airborne data.

TerraScan, TerraModeler & TerraPhoto (option)



OrthoMaster & OrthoVista (option)



Additional software packages for manipulating, viewing and classifying LiDAR data are available from Terrasolid and Inpho. The software supports creation of DTM/DSM and orthophotos.

AEROoffice Post-Processing Software



AEROoffice is IGI's data handling and post-processing software for the *AEROcontrol* system. It provides all functions and tools necessary for handling, Exterior Orientation (EO) calculation and quality control.

