DigiCAM™ - Components

The *DigiCAM* system of IGI is based on a professional high-resolution camera with at the moment 39 Megapixel.
The system is available with color (RGB) or color-infrared (CIR) filters and a variety of calibrated lenses with different focal lenght.
The *DigiCAM* integrates perfectly with IGI`s LiDAR system *LiteMapper*.

DigiControl

The *DigiControl* computer manages and controls the camera unit during the airborne mission. The high resolution touch-screen display provides a comfortable graphical user interface.

Camera Lenses

IGI offers a variety of different lenses. Two filters are available for color mode (RGB) and color/infrared mode (CIR). Lenses with: 28, 35, 50, 80, 100, 150, 210 and 300 mm focal length are available.

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.

Storage Units

Each *DigiCAM* system comprises two storage units for 6400 images. Several additional storage units with a storage capability of 3200 images can be added to the *DigiCAM* system.

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 Inertial Measurement Unit (IMU-IId) using fibre-optic gyros with a data rate of 256 Hz.

Mount Adapter

IGI offers two different mount adapters fitting a variety of mounts. Both build of aluminium for an easy installation. A mount adapter is available for the Somag GSM3000, Wild/Leica PAV 10/20/30, Zeiss-Jena LMK1000/SM2000 and Intergraph`s T-AS. Up to four camera units can be installed in the mount adapters.

TerraPhoto

Terrasolid

Software to generate orthorectified aerial images taken during an airborne mission.

OrthoMaster

Professional software for rigorous ortho-rectification of digital imagery, offering high degree of processing automation and true ortho capabilities.

OrthoVista

inpho
A TRIMBLE COMPANY

The leading orthophoto mosaicking software, automatically adjusts and combines orthophotos from any source into one seamless, color-balanced mosaic.

GSM3000 + Precise Leveling

The Gyro-Stabilized Mount is a platform for stable support of aerial equipment. It compensates the rotations (roll, pitch and yaw movements) of the airplane during flight.

The GSM3000 retrieves leveling data from IGI`s leveling interface which is connected to the *AEROcontrol* system for highest precision.