

# New Trimble Digital Sensor System

Trimble (CA, USA) has introduced the Trimble DSS WideAngle, the latest option for its medium-format, directly georeferenced aerial imaging system. Capable of producing highly accurate orthophotos, stereo photos, and mosaics, the Trimble Digital Sensor System (DSS) WideAngle option is designed as a high-productivity, mapping-grade solution for color-orthophoto and vertical mapping applications. The announcement was made today at INTERGEO 2010.

By combining wide coverage and stereo image geometry with low operating costs, the Trimble DSS WideAngle provides a productivity advantage for aerial mapping companies. Its medium-format, single-frame 60-megapixel camera delivers wide swaths of crisp, well-balanced digital color stereo imagery that are ideal for linear, irregular or small area mapping projects. Available lens options provide exceptional base-to-height ratio, enabling efficient digital elevation model (DEM) generation and contour mapping.

The Trimble DSS offers options for pilot-only operation and easy integration on single-engine aircraft and helicopter platforms. Designed for flexible system deployment, efficient mission planning and simple post-mission image processing workflow, the Trimble DSS WideAngle includes:

- A 60-megapixel metric camera
- User-interchangeable 35mm and 50mm lens options
- Integrated POS AV direct georeferencing system
- POSTrack Flight Management System
- Ruggedized data logger and pressurized drive
- Complete post-mission processing software

The Trimble DSS WideAngle is fully compatible with Trimble INPHO photogrammetric software.