

Digital Aerial Photography and Photogrammetry

GeoSpace is the leading aerial photography operator in Southern Africa. We operate two large format Digital Mapping Cameras (DMC®'s) from Intergraph®'s Z/I Imaging®. The DMC is the industry's most innovative and precise turnkey digital camera system.

The complete data acquisition system delivers small-scale or large-scale images with high-quality resolution at engineering-scale accuracy – supplying images with ground resolutions of between 4 and 50 centimeters. The modular system consists of state-of-the-art components centered on frame sensor technology and solid-state data storage to enhance all aspects of the digital workflow. The reliability and accuracy of the DMC exceeds the level of expectation for the industry – ensuring high geometric and radiometric resolution. The system delivers images digitally, enabling direct production of a wide range of mapping and image analysis deliverables, including orthophotos and digital terrain models (DTMs).

Our DMC's are installed in an Aerocommander 690B and a Cessna 421C respectively. The Aerocommander, a turbine-engined aircraft, enables us to provide a reliable, guaranteed service virtually everywhere in Africa.

We have arguably the biggest aerial photography production capacity in Africa. Furthermore our seamless digital workflow

enables quick turnaround times making our service ideal for applications with tight timeframes such as disaster management.

From a cost perspective the digital technology allows us to provide a better quality product at lower rates compared to conventional analogue technology. In most cases we can also offer a more cost effective (and obviously superior) solution than very high resolution (sub-meter) satellite imagery.

The combination of innovative components makes the DMC ideal for capturing data for all mapping applications, including agriculture, cadastral mapping, cartography, forestry, land use/land cover mapping, environmental studies, natural hazard assessment, flood risk management, transportation engineering, urban planning, civil engineering, oil and gas exploration, geology and internet maps.

For detailed technical specifications of the DMC visit our website.

To discuss your aerial photography needs please contact Philip Minnaar at: philipm@geospace.co.za or info@geospace.co.za



Over two decades of success in more than 15 countries

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