

AERIAL IMAGE ACQUISITION

Why should I choose to capture my aerial images by aircraft?

First Base Solutions provides you with the technology to meet the growing demand for geospatial data. We recognize your need for aerial imagery with faster turnaround, higher resolution, better accuracy, and improved image quality. Satellites are difficult to reposition for specific projects within specific timelines, and their images of geographic areas are often hampered by atmospheric conditions that obscure the ground, such as adverse snow, fog, cloud, smoke and haze. Our aircraft-based image acquisition offers you much greater flexibility providing detailed imagery resolution from 3cm up to 80cm and our aircraft is available to fly throughout North America, Central America, and the Caribbean.



What type of equipment is used?

Our pressurized Cessna 414 aircraft is equipped with an 86Mp Vexcel UltraCAM-D digital aerial camera, Somag 3000 gyroscopic mount, Applanix POSTrack AV-V5, GPS, IMU and Track-Air navigation system as well as the very latest in aircraft avionics. The Vexcel Camera features panchromatic, colour and Near Infra Red sensor cones providing sharp and precise digital image outputs. Every picture we take is mirrored for security and redundancy. Our multiple camera lenses feature 8 synchronized camera cones, 9 pan arrays, 4 multi-spectral bands, and synoptic imaging so every captured frame provides you with an error-free central perspective for the creation of orthorectified images and 3D models.



What FBS services are available through sub-contracting?

As a sub-contractor, we offer our aircraft, camera system, flight crew and maintenance technicians for mobilization anywhere in north America, central America and the Caribbean. Packages may be customized according to your specific needs and location.

www.firstbasesolutions.com

Imaging Earth is our expertise. A wholly-owned subsidiary of J. D. Barnes Limited, (founded in 1960), First Base Solutions provides geospatial products and services that include digital aerial image acquisition, orthophotography, and rapid production of cityscapes comprising tens of thousands of precision 3D models. We also develop web e-commerce mapping applications and offer Google Earth Enterprise as one of only three Google geospatial partners worldwide and the first outside the USA.



Visit our website at:
www.firstbasesolutions.com

Contact us at:
First Base Solutions Inc.,
140 Renfrew Drive
Suite 100
Markham, Ontario,
Canada L3R 6B3

Phone: 905.477.3600
Fax: 905.477.0892
info@firstbasesolutions.com

43° 51' 33.27" North
79° 21' 52.70" West



AERIAL IMAGE ACQUISITION