

Digital Advantage – Image Quality



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Applanix DSS 422
TruSpectrum™ Radiometry

Band 1

Red	600-700	Colour Mode
NIR	800-960	60mm CIR
(nm)	850-1100	40mm CIR

Band 2

Green	500-600	Colour Mode
Red	600-720	60mm CIR
(nm)	600-720	40mm CIR

Band 3

Blue	400-500	Colour Mode
Green	500-600	60mm CIR
(nm)	500-600	40mm CIR

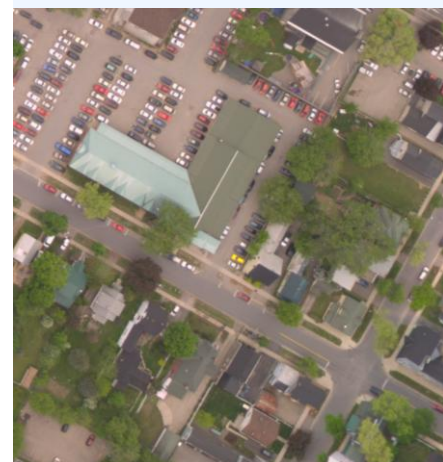
In 2008, Leading Edge Geomatics was awarded the City of Fredericton's contract to provide digital Orthoimagery. Using current technology digital sensor systems, the imagery was acquired during high cloud overcast conditions with no direct sunlight over the project area. The GIS Coordinator for the City, Mr Rob Lunn was invited to Leading Edge Geomatics's facility for an on-site assessment of the imagery, less than 48 hours after the acquisition:

"Something that would never have been anticipated was the quality of product achieved by flying on a day with a high cloud ceiling. This seemed to be contrary to typical norms for aerial imagery capture. The results however are stunning. The lack of a bright sun meant that the imagery is virtually shadow-free and the colours are very vibrant and not washed out. The positional accuracy of the imagery met all specifications laid out in the RFP. This was also the City's first acquisition of digital sensor imagery and certainly seems to be the future of aerial image collection."

- Rob Lunn, City of Fredericton GIS Coordinator

Leading Edge Geomatics employs current technology digital airborne sensor systems, each with a *charge-coupled device* (CCD) capable of achieving 16 Bit colour depth. CCDs accurately measure light and offer increased flexibility over film photography during acquisition and post-processing.

Through the continued use of current technologies, Leading Edge Geomatics offers our partners high quality products, at a price more cost effective than our competition.



City of Fredericton, New Brunswick