

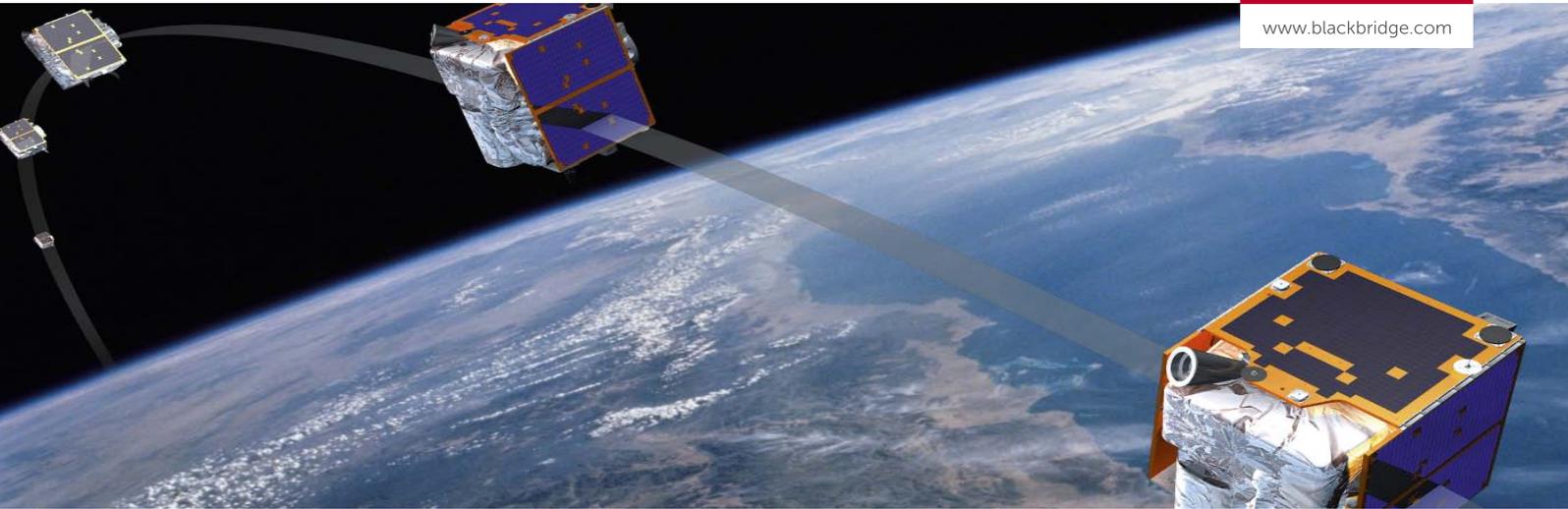
THE RAPIDEYE SATELLITE CONSTELLATION

UNRIVALED EARTH OBSERVATION CAPACITY



BlackBridge
Delivering the World

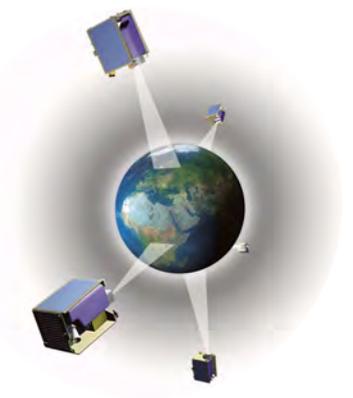
www.blackbridge.com



I The Collection Benchmark

The RapidEye constellation of five identical satellites offers a unique combination of attributes within the industry.

A remarkable amount of high-resolution, multi spectral imagery can be collected from the satellites: up to 5 million km² a day, and over one billion km² every year.



Features

- » Five Identical Satellites - equally calibrated
 - Indistinguishable differences in images from any of the 5 satellites
- » High-Resolution Imagery
 - 6.5 m (1B Basic Product)
 - 5 m (3A Ortho Product)
- » Wide Area Coverage
 - 77 km swath width
- » Outstanding Daily Collection Capacity
 - Up to 5 million km² of imagery collected daily
 - Over 1 billion km² every year
- » Five Spectral Bands
 - Blue, Green, Red, Near-Infrared, Red Edge
- » Multi temporal Capabilities
 - Daily revisit at low view angle - never more than 20°
- » Direct Downlink Availability

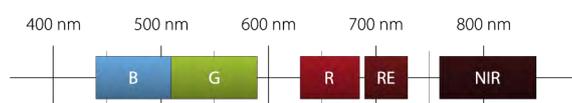
Benefits

- » Regions, states and entire countries can be imaged in a short amount of time
- » Cost effective high-resolution data
- » Effective for land cover / land use classification applications, change detection, background imagery, mapping, biophysical monitoring, etc.
- » Seventy percent (70%) of RapidEye's imagery is taken at 10° off nadir or less
- » Over sixty percent (60%) of the RapidEye archive has 10% cloud cover or less
- » The ed Edge band assists in advanced vegetation discrimination and identification of vegetation health status
- » EyeFind is BlackBridges's online discovery tool, allowing easy access to the entire RapidEye archive: eyefind.blackbridge.com



Mission and Product Characteristics

Number of Satellites	5	
Size of Each Individual Satellite	Less than one cubic meter	
Weight of Each Individual Satellite	150 kg	
Orbit Altitude	630 km (in Sun-synchronous orbit)	
Equator Crossing Time	11:00 am (approximately)	
Sensor Type	Multi spectral push broom imager	
Swath Width	77 km	
Spectral Bands	Blue	440 – 510 nm
	Green	520 – 590 nm
	Red	630 – 685 nm
	Red Edge	690 – 730 nm
	Near-Infrared	760 – 850 nm
Ground sampling distance (nadir)	6.5 m	
Pixel size (orthorectified)	5 m	
On board data storage	Up to 1500 km of image data per orbit	
Revisit time	Daily (off-nadir; always less than 20°), 5.5 days (at nadir).	
Image capture capacity	5 million km ² /day	
Camera Dynamic Range	12 bit	



How To Purchase

Contact your nearest Geoimage office

Brisbane: +61 7 3871 0088

Sydney: +61 2 9967 9265

Perth: +618 9328 4772

Email: sales@geoimage.com.au

Global Sales Partner Network

An extensive worldwide Sales Partner Network has been established to help you in your country. Always just an email or telephone call away, an authorized BlackBridge partner can answer all of your questions. A full list of partners can be found at www.blackbridge.com/rapideye/buy/

EyeFind - Online Archive

EyeFind provides you online viewing access to the complete archive of RapidEye imagery. With EyeFind you can easily search and browse images collected by the RapidEye constellation over your specific area of interest. Visit eyefind.blackbridge.com

