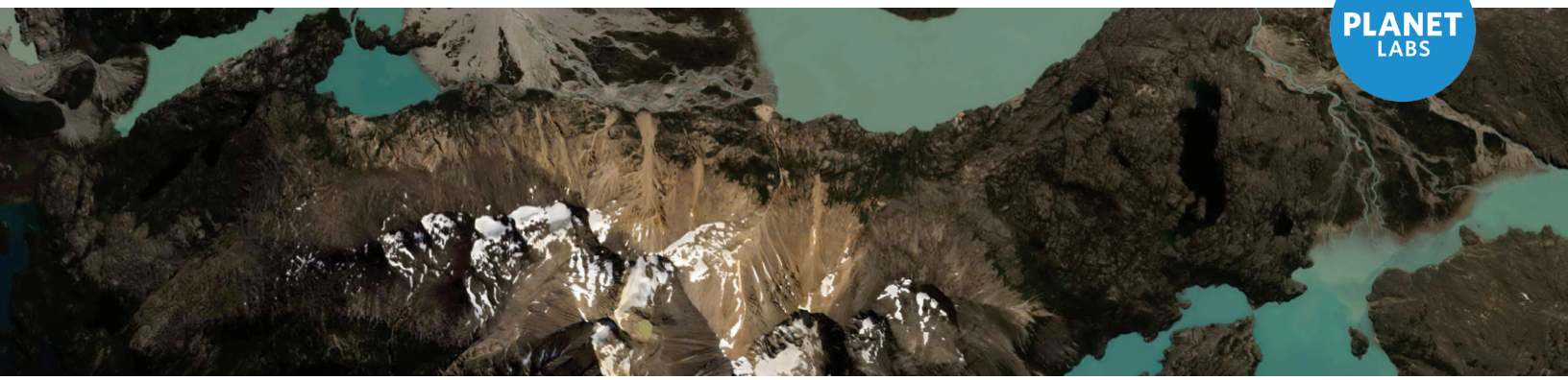

RapidEye

High-Resolution Satellite Imagery

Unique Earth Observation Capabilities

The five-satellite RapidEye constellation offers considerable advantages to its customers. The combination of large area coverage, frequent revisit intervals, high-resolution and multi spectral capabilities are unrivaled in the industry.

The RapidEye constellation can:

+ Image up to 5 million km² of earth daily; over 1 billion km² every year
+ Return to image any point on earth daily at a low view angle (always less than 20°)
+ Produce 5 meter pixel size imagery
+ Collect multi spectral imagery (Red, Green, Blue, Red Edge and Near-Infrared)

Options To Suit Your Individual Needs

Depending on the task at hand, three different levels of RapidEye imagery are commercially available.

Level	Description
1B	The RapidEye Basic product is radiometric and sensor corrected; and is the least processed of the RapidEye image products. This product is designed for customers who wish to do their own geometric correction and is accompanied by all the needed information for processing the data into a geocorrected form.
3A	RapidEye Ortho Products are individual 25km by 25km tiles of RapidEye imagery orthorectified for customers who do not want to do their own image processing. Radiometric, sensor and geometric corrections have been applied to the data. The product accuracy depends on the quality of the ground control and DEMs used.
3B	The RapidEye Ortho Take product extends the usability of orthorectifed RapidEye products by leveraging full image takes and adjusting multiple images together to cover larger areas more accurately with fewer files. Each 3B product is a full swath-width orthorectified image that has been adjusted and trimmed to insure the accurate placement and complete coverage.

Mission and Product Characteristics

Number of Satellites	5
Equator Crossing Time	11:00am (approximately)
Sensor Type	Multi spectral push broom imager
Swath Width	77km
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
Revisit time	Daily (off-nadir; always less than 20°), 5.5 days (at nadir)
Image capture capacity	5 million km²/day
Camera Dynamic Range	12 bit
Optional Processing Kernels	Cubic Convolution (default), Nearest Neighbor, or MTF
Delivery Methods	FTP (default), DVD, Portable Hard Drive
Image File Formats	GeoTIFF (default for Level 3A), NITF (default for Level 1B)
Minimum Purchase	500 km² (Archive); 3,500 km2 (Tasking)

How To Purchase

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