PLANET TASKING On-demand high-resolution intelligence

The accelerating pace of global change demands that organizations have rapid access to fresh and accurate information. But the traditional satellite tasking model hasn't evolved to deliver high-resolution imagery reliably and quickly, limiting intelligence gathering and hampering decision-making.

Planet Tasking empowers organizations with global access to high-frequency, very-high-resolution (50 cm) imagery on their own terms, giving them intelligence and visibility multiple times per day. Built for flexibility and frequency, Planet offers the highest coverage capacity and revisit cadence of any commercial provider, allowing organizations to image any point on Earth multiple times a day, including hot spots where there was previously competition for scarce resources.



PLANET TASKING OFFERINGS

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Standard Tasking	Flexible Tasking
Customer defines area(s) of interest, which Planet will image until < 15% cloud cover is achieved. 10% and 5% options are also available.	Flexible offering where customers purchase capacity upfront to task on-the-fly imagery over their regions of interest. Multiple cloud cover options available.
Imagery published within < 10 hours of collection	Imagery published within < 10 hours of collection
Collection area, time period, and other specifications subject to feasibility.	Collection area, time period, and other specifications subject to feasibility.

DIVERSE USE CASES

With 15 satellites in operation, the SkySat constellation is unmatched in size. Multiple daily passes allow decision cycles to accelerate with accurate, real-time views of what's happening as conditions evolve. Planet Tasking empowers intelligence across a range of use cases, from intelligence gathering, to disaster management, to mapping remote corners of the world.



TARGETED TASKING, ENHANCED WITH PLANET MONITORING

When paired with Planet Monitoring, customers can use Planet Tasking for greater precision and have confidence that change relevant to their business is captured. This "tip and cue" capability is made possible by leveraging Planet's two complementary constellations – PlanetScope and SkySat.



Leveling and clearing activity detected in PlanetScope imagery at Gonggar Airfield • August 30, 2017

IMAGERY PRODUCT SPECIFICATIONS

	Basic Scene	Ortho Scene & SkySat Collect
Ground sample distance	Panchromatic: 0.72 m; Multispectral: 1.0 m	Panchromatic: 0.8 m; Multispectral: 1.0 m
Pixel resolution	N/A	Analytic, Analytic DN, Panchromatic DN, Visual, Pansharpened Multispectral: 0.5 m
Spectral bands	Blue Green 450 - 515 nm 515 - 595 nm	Red NIR Pan 605 - 695 nm 740 - 900 nm 450 - 900 nm
Bit depth	16-bit	Analytic DN; Analytic; Panchromatic DN; Pansharpened Multispectral: 16-bit
		Visual: 8-bit Unsigned Integer
Geometric precision	< 50 m RMSE	< 10 m RMSE
File structure	Image File – GeoTIFF format Metadata File – JSON format Rational Polynomial Coefficients – Text File (Basic only) UDM File – GeoTIFF format	
Radiometric conversion	Analytic product - Absolute Radiance derived using vicarious calibration methods. Radiometrically calibrated to radiance units and scaled by 100 to reduce quantization errors.	
Revisit time	Nadir: 28 days per spacecraft; sub-weekly per constellation Off-Nadir: sub-weekly per spacecraft; intra-daily per constellation	

LET'S TALK

We're Here to Help! Get support for Planet Tasking support@planet.com

Contact Us

Learn how Planet can help you turn data to actionable insights go.planet.com/getintouch

Learn More

www.planet.com