



# 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.



**High resolution**  
.50m Ortho



**Global coverage**  
Daily morning & afternoon  
passes over any point on  
Earth



**Fast access**  
Publication latency  
< 10 hours



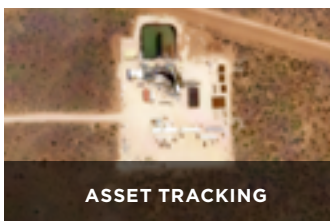
**Transparent Image Acquisition**  
Simplified ordering and  
tracking through the  
Tasking Dashboard

### PLANET TASKING OFFERINGS

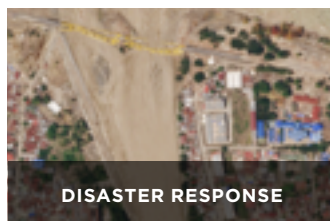
Basic Scene	Ortho Scene	Video Product
Raw, uncalibrated imagery designed for users with advanced image processing capabilities	Sensor- and geometrically-corrected imagery projected to a cartographic map	Full motion video collected between 30 and 120 seconds using the panchromatic half of the camera

### DIVERSE USE CASES

With 21 satellites in orbit, 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.



ASSET TRACKING



DISASTER RESPONSE



INTELLIGENCE GATHERING



HARVEST DEPLETION

## TARGETED TASKING, ENHANCED WITH PLANET MONITORING

When paired with PlanetScope 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.



Before the flood (PlanetScope)  
Ljubovija, Serbia • June 7, 2020

After the flood: a bridge collapse (PlanetScope)  
Ljubovija, Serbia • June 24, 2020

Zoomed in on the bridge collapse (SkySat)  
Ljubovija, Serbia • June 27, 2020

## IMAGERY PRODUCT SPECIFICATIONS

	Basic Scene		Ortho Scene & SkySat Collect			Video Scene
Ground sample distance	Panchromatic: 0.65-0.86m Multispectral: 0.81-1.0m		Panchromatic, Multispectral: 0.5 m			Panchromatic: 0.81m
Pixel resolution	N/A		Analytic, Analytic DN, Panchromatic DN, Visual, Pansharpened Multispectral: 0.5 m			N/A
Spectral bands	Blue 450-515 nm	Green 515-595 nm	Red 605-695 nm	NIR 740-900 nm	Pan 450-900 nm	Pan 450-900 nm
Bit depth	16-bit		Analytic DN; Analytic; Panchromatic DN; Pansharpened Multispectral: 16-bit			16 Unsigned Integer
			Visual: 8-bit Unsigned Integer			
Geometric precision	< 50 m RMSE		< 10 m RMSE			< 50 m RMSE
File structure	Image File – GeoTIFF format Metadata File – JSON format Rational Polynomial Coefficients – Text File (Basic only) UDM File – GeoTIFF format					Video file - MP4 Video frames - folder Image Frame File - TIFF format Frame Index - CSV File Metadata File - JSON format Rational Polynomial Coefficients - Text File
Radiometric conversion	Analytic product - Absolute Radiance derived using vicarious calibration methods. Radiometrically calibrated to radiance units and scaled by 100 to reduce quantization errors.					Cross-Sensor Non Uniformity Correction (1%)
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](mailto:support@planet.com)

### Contact Us

Learn how Planet can help you  
turn data to actionable insights  
[go.planet.com/getintouch](https://go.planet.com/getintouch)

### Learn More

[www.planet.com](https://www.planet.com)