



# 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

Raw, uncalibrated imagery designed for users with advanced image processing capabilities

#### Ortho Scene

Sensor- and geometrically-corrected imagery projected to a cartographic map

#### Video Product

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.



## 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
<b>Ground sample distance</b>	Panchromatic: 0.65-0.86m Multispectral: 0.81-1.0m	Panchromatic, Multispectral: 0.5 m	Panchromatic: 0.81m
<b>Pixel resolution</b>	N/A	Analytic, Analytic DN, Panchromatic DN, Visual, Pansharpened Multispectral: 0.5 m	N/A
<b>Spectral bands</b>	Blue 450-515 nm Green 515-595 nm	Red 605-695 nm NIR 740-900 nm Pan 450-900 nm	Pan 450-900 nm
<b>Bit depth</b>	16-bit	Analytic DN; Analytic; Panchromatic DN; Pansharpened Multispectral: 16-bit Visual: 8-bit Unsigned Integer	16 Unsigned Integer
<b>Geometric precision</b>	< 50 m RMSE	< 10 m RMSE	< 50 m RMSE
<b>File structure</b>	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
<b>Radiometric conversion</b>	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%)
<b>Revisit time</b>	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](http://go.planet.com/getintouch)

### Learn More

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