

Vantor Vantage™



The first 20 cm-class satellite on orbit

Advancing the industry's most accurate spatial foundation with unmatched geolocation accuracy, so every insight, model, and decision is grounded in truth.

Vantor Vantage is built to give you greater certainty in what you see and how you act on it. As the next generation of high-resolution electro-optical imaging, Vantor Vantage improves the fidelity of the spatial foundation that underpins modern intelligence and mapping workflows. The result is clearer object identification, more reliable analysis, and stronger alignment across every sensor in your system.

For defense and intelligence missions, that means higher confidence in targeting, faster understanding of activity, and more accurate operational terrain. For commercial applications, it enables better feature extraction, more precise mapping, and improved detection of change at scale.

Vantor Vantage extends the Vantor™ 10-satellite constellation, enhancing global coverage and refresh rates while maintaining the accuracy and resolution required to serve as a trusted ground truth. It also strengthens the performance of multi-sensor fusion and AI models, ensuring that every input is anchored to the most precise representation of the physical world.

Specifications

Orbit	450–600 km SSO
Native resolution	22–28 cm
Geolocation accuracy	<5 m CE90
Launch	As early as 2029
Agility	CMG attitude control (2x WorldView-3)
Points	1800 points/day
Area	>1.5M sq km/day
Useful lifetime	>10 years
Bands	8 multi-spectral bands
Radiometric accuracy	<2%

Features and benefits

Greater clarity for mission-critical decisions
 20 cm-class imagery enables more confident object and pattern identification, reducing ambiguity from site monitoring to precision coordinates.

A stronger foundation for multi-sensor intelligence
 Improved spatial fidelity enhances how data from different sensors aligns and interacts, enabling more accurate fusion, analysis, and AI-driven insights.

More accurate operational terrain and mapping outputs
 Higher resolution and geolocation accuracy improve 2D and 3D products, supporting everything from mission planning to autonomy.

Improved AI and analytics performance
 Better input data leads to better object and change detection, and pattern analysis.

Built for the full spatial intelligence system
 Seamlessly integrates with the Vantor™ constellation and platform, ensuring that imagery feeds directly into your broader workflows.