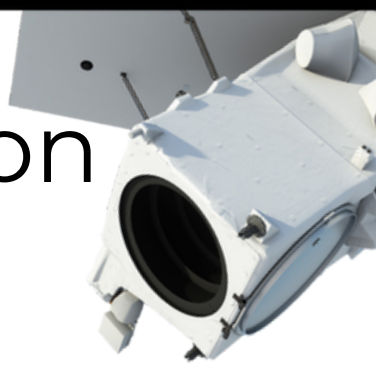
Vantor

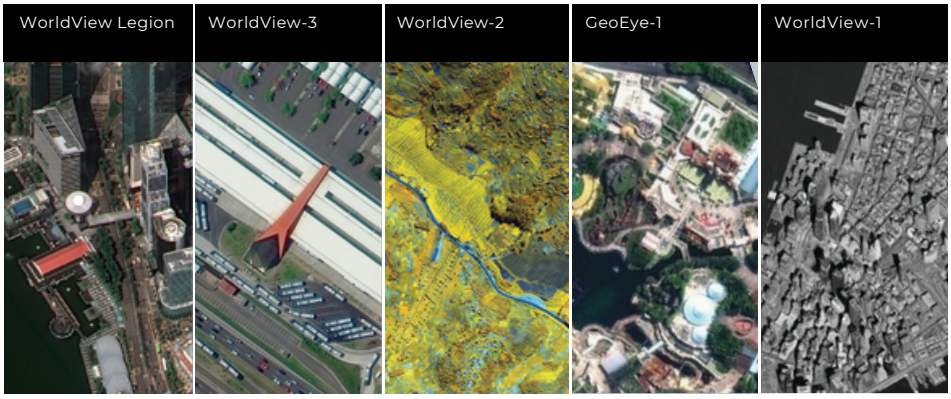
The Vantor™ Constellation

Theworld'smost accurate, capableimaging satellites



The world's most advanced constellation

TheVantor constellation of high-resolution satellites offers incredible accuracy, agility, and collection capacity, imaging more of the world in the finest level of detail. This constellation is unprecedented in the industry, enabling customers around the globe to get the highest quality view of their world.



WorldView Legion®

WorldView Legion satellites represent six of the most advanced commercial imaging satellites on orbit. They enable more accurate, comprehensive, and timely analysis of on-ground conditions for smarter decision-making. Highly capable, they work together with the rest of the Vantor constellation to collect the highest resolution satellite imagery with more accuracy and scale than any other commercial provider, with features including:

+ Up to 15 daily revisits of the same location on Earth
+ Best-in-class daily collection capacity, the Vantor constellation has a capacity of 7M sq km daily and 3.5+ million sq km of 30 cm imagery
+ Comprehensive coverage of the most high-demand areas
+ Highest image quality and geometric accuracy available
+ Compatible with global infrastructure and access programs for Vantor customers

Industry-leading capability

The Vantorc onstellation collects more than 1 billion sq km of high- resolution optical imagery per year— building and refreshing the most comprehensive and up-to- date, high-resolution imagery library in the world as well as offering tremendous tasking capacity. You choose the world imagery you need and the way you need it—online, offline, on your mobile device or directly into your GIS —and we deliver real-world perspective you can rely on.

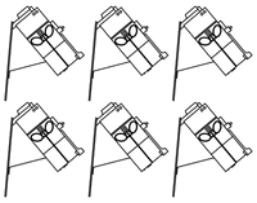
+ High resolution showing crisp detail
+ Most spectral diversity commercially available
+ Greatest collection capacity
+ Intraday revisits
+ High geolocational accuracy
+ Large high-resolution swath width
+ Most agile with rapid retargeting
+ Greatest in-track stereo collection

Satellite specifications

Feature	WorldView Legion	WorldView-3	WorldView-2	GeoEye-1	WorldView-1
Operational altitude	518 km	617 km	770 km	681 km	496 km
Spectral characteristics	Pan + 8 MS	Pan + 8 MS + 8 SWIR	Pan + 8 MS	Pan + 4 MS	Pan
Panchromatic resolution (nadir)	30 cm-class	31 cm	46 cm	41 cm	50 cm
Multispectral resolution (nadir)	1.36 m	1.24 m	1.85 m	1.64 m	N/A
Accuracy specification (nadir)	< 5.0 m CE90	5.0 m CE90	5.0 m CE90	5.0 m CE90	5.0 m CE90
RMSE (nadir)	1.5 m	2.3 m	2.3 m	2.3 m	2.3 m
Swath width	10.0 km	13.2 km	16.4 km	15.3 km	17.7 km
Monoscopic area coverage (30˚ off-nadir)	27 km x 112 km (3 Strips)	69 km x 112 km (5 Strips)	138 km x 112 km (8 Strips)	45 km x 112 km (3 Strips)	111 km x 112 km (6 Strips)
Single-pass stereoscopic coverage (30˚ off-nadir)	9 km x 112 km (1 Pair)	28 km x 112 km (2 Pairs)	63 km x 112 km (4 Pairs)	15 km x 112 km (1 Pair)	51 km x 112 km (3 Pairs)
Weight class	630 kg (1400 lbs.)	2800 kg (6200 lbs.)	2800 kg (6200 lbs.)	1955 kg (4310 lbs.)	2500 kg (5500 lbs.)
Attitude control actuators	Reaction Wheels	Control Moment Gyros	Control Moment Gyros	Reaction Wheels	Control Moment Gyros
Onboard storage	16 Tbits	2199 Gbits	2199 Gbits	1000 Gbits	2199 Gbits
Wideband data downlink rate	600 Mbps total	800 or 1200 Mbps total	800 Mbps total	740 Mbps total	800 Mbps total
Rapid delivery options	Direct Downlink, Virtual Ground Terminal	Direct Downlink, Virtual Ground Terminal	Direct Downlink, Virtual Ground Terminal	Direct Downlink, Virtual Ground Terminal	Direct Downlink, Virtual Ground Terminal

The Vantor constellation

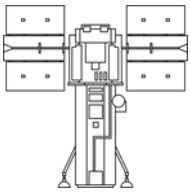
Collectingmorethan1billionsqkmofelectro-optical imagery per year



WorldView Legion

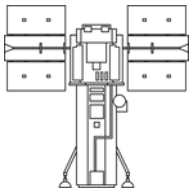
Launched:
2 Satellites: 05/02/2024
2 Satellites: 08/15/2024
2 Satellites: 02/04/2025

Altitude:
518 km
Native GSD:
Panchromatic 30 cm-class
Native GSD:
Multispectral 1.36 m
Accuracy:
<5 m CE90
Orbit:
Sun synchronous and mid-inclination



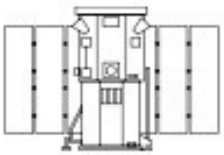
WorldView-3

Launched:
08/13/2014
Altitude:
620 km
Native GSD:
Panchromatic 0.31 m
Native GSD:
Multispectral 1.24 m
Native GSD:
SWIR 3.70 m
Accuracy:
<5 m CE90
Orbit:
Sun synchronous



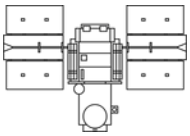
WorldView-2

Launched:
10/08/2009
Altitude:
770 km
Native GSD:
Panchromatic 0.46 m
Native GSD:
Multispectral 1.85 m
Accuracy:
<5 m CE90
Orbit:
Sun synchronous



GeoEye-1

Launched:
09/06/2008
Altitude:
681 km
Native GSD:
Panchromatic 0.41 m
Native GSD:
Multispectral 1.65 m
Accuracy:
3 m CE90
Orbit:
Sun synchronous



WorldView-1

Launched:
09/18/2007
Altitude:
496 km
Native GSD:
Panchromatic 0.50 m
Accuracy:
<4m CE90
Orbit:
Sun synchronous

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