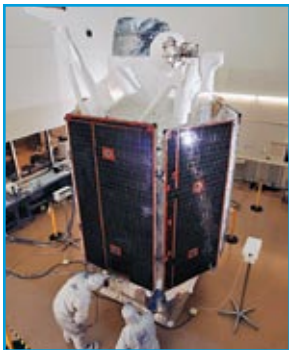
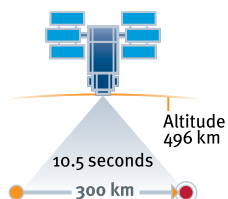


WorldView-1

DigitalGlobe has established itself as the world's most prominent supplier of high-resolution commercial satellite imagery. By 2009, DigitalGlobe's constellation of satellites will be unprecedented in the commercial imaging industry, enabling commercial and government customers around the globe to access a broad selection of geospatial information products from a single source.



WORLDVIEW-1 ALTITUDE AND SLEW TIME



WorldView-1, launched September of 2007, is the most agile satellite ever flown commercially. The high-capacity, panchromatic imaging system features half-meter resolution imagery. Operating at an altitude of 496 kilometers, WorldView-1 has an average revisit time of 1.7 days and is capable of collecting up to 750,000 square kilometers (290,000 square miles) per day of half-meter imagery. The satellite is also equipped with state-of-the-art geolocation accuracy capabilities and exhibits stunning agility with rapid targeting and efficient in-track stereo collection.

FEATURES

- Highest resolution available commercially
 - 50 cm panchromatic at nadir
 - 59 cm GSD at 25° off-nadir
- Industry-leading geolocation accuracy
 - Ultra-stable platform, high-precision attitude sensors and GPS
- Highest capacity over the broadest range of collection types
 - 17.6 km width imaging swath (wider than any competitor)
 - Bi-directional scanning
 - Rapid retargeting using Control Moment Gyros (>2x faster than any competitor)
 - 2199 gigabits on-board storage
 - 800 Mbps X-band data downlink
- Direct downlink to customer sites available using same high-speed 800 Mbps X-band downlink
- World-class telescope
 - High contrast (MTF) and signal to noise ratio
 - Selectable Time Delay Integration (TDI) levels
 - 11-bit dynamic range
- Frequent revisits at high resolution
 - 1.7 days at 1 meter GSD or less
 - 4.6 days at 25° off-nadir or less (59 cm GSD)

BENEFITS

- Provides highly detailed imagery for precise map creation, change detection and in-depth image analysis
- Allows the creation of accurate maps in remote areas, maximizing the utility of whatever resources are available:
 - Geolocation accuracy specification of 6.5 m CE90 at nadir, with actual accuracy in the range of 4.0 - 5.5 m CE90 at nadir, excluding terrain and off-nadir effects
- Collects, stores and downlinks a greater supply of frequently updated global imagery products than competitive systems:
 - DigitalGlobe ImageLibrary filled with unrivaled speed
 - Broadest range of collection sizes, without sacrificing capacity from small points to long strips and large areas
 - Stereoscopic areas on a single pass, ensuring image continuity and consistency of quality
- Extends the range of suitable imaging collection targets and enhances image interpretability, because images can be acquired at even the lowest light levels
- Frequent revisits increase image collection opportunities, enhance change detection applications and enable accurate map updates

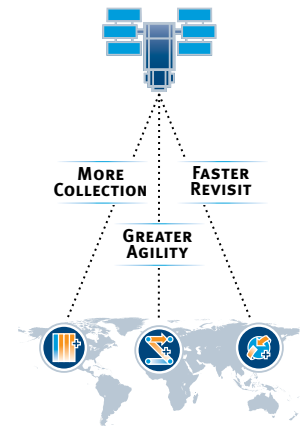




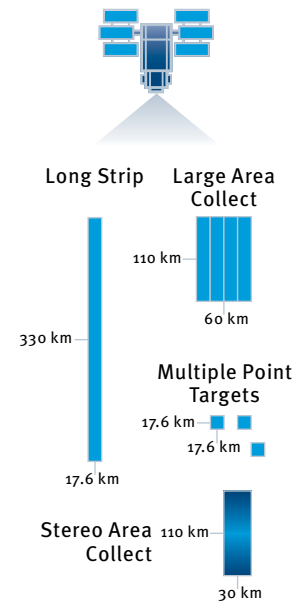
WorldView-1

DESIGN AND SPECIFICATIONS

Launch Information	Date: September 18, 2007 Launch Vehicle: Delta 7920 (9 strap-ons) Launch Site: Vandenberg Air Force Base
Orbit	Altitude: 496 kilometers Type: Sun synchronous, 10:30 am descending node Period: 94.6 minutes
Mission Life	7.25 years, including all consumables and degradables (e.g. propellant)
Spacecraft Size, Mass and Power	3.6 meters (12 feet) tall x 2.5 meters (8 feet) across 7.1 meters (23 feet) across the deployed solar arrays 2500 kilograms (5500 pounds) 3.2 kW solar array, 100 Ahr battery
Sensor Bands	Panchromatic
Sensor Resolution	0.50 meters Ground Sample Distance (GSD) at nadir 0.59 meters GSD at 25° off-nadir
Dynamic Range	11-bits per pixel
Time Delay Integration (TDI)	6 selectable levels from 8 to 64
Swath Width	17.6 kilometers at nadir
Attitude Determination and Control	3-axis stabilized Actuators: Control Moment Gyros (CMGs) Sensors: Star trackers, solid state IRU, GPS
Pointing Accuracy and Knowledge	Accuracy: <500 meters at image start and stop Knowledge: Supports geolocation accuracy below
Retargeting Agility	Acceleration: 2.5 deg/s/s Rate: 4.5 deg/s Time to Slew 300 kilometers: 10.5 seconds
Onboard Storage	2199 gigabits solid state with EDAC
Communications	Image and Ancillary Data: 800 Mbps X-band Housekeeping: 4, 16 or 32 kbps real-time, 524 kbps stored, X-band Command: 2 or 64 kbps S-band
Max Viewing Angle / Accessible Ground Swath	Nominally +/- 45° off-nadir = 1,036 km wide swath Higher angles selectively available
Per Orbit Collection	331 gigabits
Max Contiguous Area Collected in a Single Pass	60 x 110 km mono 30 x 110 km stereo
Revisit Frequency	1.7 days at 1 meter GSD or less 4.6 days at 25° off-nadir or less (0.59 meter GSD)
Geolocation Accuracy (CE90%)	Specification of 6.5 m CE90 at nadir, with actual accuracy in the range of 4.0 - 5.5 m CE90 at nadir, excluding terrain and off-nadir effects With Registration to GCPs in Image: 2.0 meters (6.6 feet)



COLLECTION SCENARIOS



SENSOR BANDS



DIGITALGLOBE®