

Digital Globe Satellite Imagery

Launch Date	October 8, 2009
Launch Vehicle	Delta 7920 (9 strap-ons)
Launch Site	Vandenberg Air Force Base
Orbit Altitude	770 kilometers
Orbit Type	Sun synchronous, 10:30 am (LT) descending Node
Orbit Period	100 minutes; 7.25 year mission life, including all consumables and degradables (e.g., propellant)
Spacecraft Size, Mass, & Power	4.3 meters (14 feet) tall x 2.5 meters (8 feet) across, 7.1 meters (23 feet) across the deployed solar arrays; 2800 kilograms (6200 pounds); 3.2 kW solar array, 100 Ahr battery
Sensor Bands	Panchromatic 8 Multispectral (4 standard colors: red, blue, green, near-IR), 4 new colors: red edge, coastal, yellow, near-IR2
Sensor Resolution GSD	Ground Sample Distance Panchromatic: 0.46 meters GSD at Nadir, 0.52 meters GSD at 20° Off-Nadir Multispectral: 1.84 meters GSD at Nadir, 2.4 meters GSD at 20° Off-Nadir
Dynamic Range	11-bits per pixel
Time Delay Integration (TDI)	Panchromatic - 6 selectable levels from 8 to 64 Multispectral - 7 selectable levels from 3 to 24
Swath Width	16.4 kilometers at nadir

Satellite Imagery Sensor Resolution 0.5m

