



GEOEYE-1

Setting the Standard for Sub-Half Meter High Resolution Commercial Satellite Imagery

GeoEye continues its tradition of mapping, monitoring, and measuring the Earth's surface with GeoEye-1—the highest resolution and most advanced commercial imaging satellite in the world. GeoEye-1 offers unprecedented spatial resolution by simultaneously acquiring 0.41-meter panchromatic and 1.65-meter multispectral imagery. The satellite has the capability to collect up to 700,000 square kilometers of panchromatic (and up to 350,000 square kilometers of pan-sharpened multispectral) imagery per day. The detail and geospatial accuracy of GeoEye-1 imagery expands the applications for satellite imagery in every commercial and government market sector. Due to U.S. Government licensing, commercial customers will receive .50-meter color imagery.

GEOEYE-1 SPECIFICATIONS

Imaging Mode	Panchromatic	Multispectral
Spatial Resolution	.41 meter	1.65 meters
Spectral Range	450-900 nm	450-520 nm (blue) 520-600 nm (green) 625-695 nm (red) 760-900 nm (near IR)
Swath Width	15.2 km	
Off-Nadir Imaging	Up to 60 degrees	
Dynamic Range	11 bits per pixel	
Mission Life	Expected > 10 years	
Revisit Time	Less than 3 days	
Orbital Altitude	681 km	
Nodal Crossing	10:30 am	



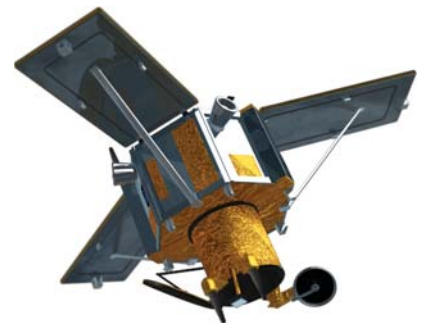
IKONOS

The World's First Sub-Meter High Resolution Commercial Satellite

The IKONOS satellite is the world's first commercial satellite to collect black-and-white (panchromatic) images with 1-meter resolution, and multispectral imagery with 4-meter resolution. Imagery from the panchromatic and multispectral sensors can be merged to create 1-meter color imagery (pan-sharpened). To date, IKONOS has collected more than 300 million square kilometers of imagery over every continent. IKONOS imagery is being used for national security, military mapping, air and marine transportation, and by regional and local governments. From a 423 mile high orbit, IKONOS has a revisit time of once every three days, and downlinks directly to more than a dozen ground stations around the globe.

IKONOS SPECIFICATIONS

Imaging Mode	Panchromatic	Multispectral
Spatial Resolution	.82 meter	3.2 meters
Spectral Range	526-929 nm	445-516 nm (blue) 506-595 nm (green) 632-698 nm (red) 757-853 nm (near IR)
Swath Width	11.3 km	
Off-Nadir Imaging	Up to 60 degrees	
Dynamic Range	11 bits per pixel	
Mission Life	Expected > 8.3 years	
Revisit Time	Approximately 3 days	
Orbital Altitude	681 km	
Nodal Crossing	10:30 am	



MJ HARDEN

High Performance Digital Aerial Imaging

The standard of quality for aerial imagery has been raised with MJ Harden's world-class digital aerial imaging system, the Digital Mapping Camera (DMC™) system by Z/I Imaging (Zeiss/Intergraph). Not just an aerial photo camera, the DMC is a complete digital image capture and data management system designed to support photogrammetric missions that demand high resolution and geolocation accuracy. Designed from the ground up as the next generation in photogrammetric mapping cameras, the DMC features breakthrough technologies that produce successful results—from small-scale mapping assignments to precision, high-resolution corridor engineering projects.

DMC® SPECIFICATIONS

Operational Life	6+ years
Altitude	350 meters - 6000 meters
Resolution	3 cm - 60 cm
Image Swath Width	0.4 km - 8.3 km
Dynamic Range	12 bit per channel
Image Bands	Panchromatic, Red, Green, Blue, Near-Infrared



LiDAR Solutions

MJ Harden operates the most advanced LiDAR technology commercially available, the ALT™ (Airborne Laser Terrain Mapper) Gemini from Optech Incorporated. The Gemini's system configuration can be varied to fit a wide variety of projects. The system has variable pulse rates, swath widths and scan rates, which allow the sensor to adapt to varying topography, land cover, and project size and extent.



GEMINI GENERAL SYSTEM SPECIFICATIONS

Manufacturer	Optech
Laser Pulse Rate	33 to 167 kHz
Operating Altitude	80 to 4,000 meters
Scan Frequency	Up to 100 Hz
Scan Angle	0 to 25 degrees (each side of NADIR)
Number of Returns	4
Intensity	4

For More Information

For more information about GeoEye imagery products and solutions, visit our website at www.geoeye.com, call **800.232.9037** / worldwide at **+1.703.480.5670**, or email info@geoeye.com.



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