

## GeoEye-1

*Very High Resolution Optical Satellite GeoEye-1.  
The World's Highest-Resolution Commercial Earth-Imaging Satellite.*

GeoEye-1, an optical satellite for Earth observation, offers the highest commercial resolution (50 cm colour images) and the best geolocation accuracy, and along with its forerunner satellite IKONOS forms a unique multispectral VHR constellation.

GeoEye-1 and IKONOS data are commercialised in Europe and North Africa exclusively by e-GEOS, an ASI (Italian Space Agency) and Telespazio (Finmeccanica/Thales) company. GeoEye-1 and IKONOS are part of the e-GEOS group's multi-mission portfolio, which also includes images from the COSMO-SkyMed radar satellite constellation.

The GeoEye-1 satellite has the most advanced technology ever used in a commercial remote sensing system. The satellite collects images at nadir with 0.41-meter panchromatic (black & white) and 1.65-meter multispectral resolution (imagery sold to commercial customers is resampled to 0.5-meters) with an industry-leading 3 meters of inherent geolocation accuracy. The satellite collects up to 700,000 km<sup>2</sup> of panchromatic (and up to 350,000 km<sup>2</sup> of pan-sharpened multispectral) imagery per day, ideal for large scale mapping projects. High agility, side-to-side and front-to-back, means the satellite collects more imagery during a single pass. GeoEye-1 can revisit any point on Earth once every three days or less.

Customers have a choice of ordering Geo™, GeoProfessional™ and GeoStereo™ imagery products, including DEMs (Digital Elevation Models) and DSMs (Digital Surface Models), large-area mosaic and feature maps.

For full details of mission capabilities, products, services and pricing, see [www.e-geos.it](http://www.e-geos.it)

## IKONOS

*Very High Resolution Optical Satellite IKONOS.  
The first high-resolution commercial mission.*

IKONOS is the first high-resolution commercial satellite and during its mission it has created an incomparable archive of this kind. Along with VHR optical satellite GeoEye-1 forms a unique multispectral VHR constellation.

IKONOS and GeoEye-1 data are commercialised in Europe and North Africa exclusively by e-GEOS, an ASI (Italian Space Agency) and Telespazio (Finmeccanica/Thales) company. IKONOS and GeoEye-1 are part of the e-GEOS group's multi-mission portfolio, which also includes images from the COSMO-SkyMed radar satellite constellation.

IKONOS is the world's first commercial satellite able to collect black-and-white (panchromatic) images with 82-centimeter resolution and multispectral imagery with 3.28 meter resolution. Imagery from both sensor can be merged to create a 1-meter pan-sharpened colour imagery. The more than 300 million km<sup>2</sup> of imagery that IKONOS has collected over every continent is being used for national security, military mapping, air and marine transportation, and by regional and local governments.

IKONOS has a repetitive, circular, sun-synchronous, near polar orbit guaranteeing full coverage of the earth. The sensor can be inclined to acquire imagery up to 700 km either side of the track, giving the satellite the capacity to revisit, albeit with different sensor angles and resolution, any area on the earth on average every 1.5 days (data resolution up to 2 meters). An average 2.9 day revisit can be achieved for 1 meter resolution data in an area that covers up to 300 Kms either side of the track (angle +/- 10°).

For full details of mission capabilities, products, services and pricing, see [www.e-geos.it](http://www.e-geos.it)

Boston, Massachuestts, USA.  
IKONOS pan-sharpened  
natural colour 1m image