

WorldView Elevation Suite



WorldView-1

Accurate elevation models are key building blocks for successful exploration, engineering, land management, and simulation. DigitalGlobe's new WorldView Elevation Suite provides a full perspective for your project area, bundling a highly accurate digital elevation model (DEM) derived from a WorldView-1 stereo pair with ortho-imagery and contours.

OVERVIEW

DigitalGlobe has partnered with PhotoSat Information Ltd. to produce elevation datasets over rural areas of low vegetation using an innovative geophysical technology similar to 3D seismic processing that provides unprecedented accuracy from a satellite-based DEM.

Engineering-Grade Accuracy from Space

In leveraging PhotoSat's innovative geophysical technology, we provide superior quality for a satellite-derived product that is comparable to aerial technologies in detail and accuracy.

Global Reach

Obtain elevation models for any country in the world without local access challenges like permitting or in-country presence. Our worldwide reach allows more efficient mapping of areas where getting a plane in the air or a team on the ground is too costly, time consuming, or unsafe.

Current Information

Conduct your operations with recent data. We'll work with you to obtain the data within your date specifications to ensure it is as relevant as possible. Utilize our custom tasking capabilities or select imagery from our ImageLibrary.

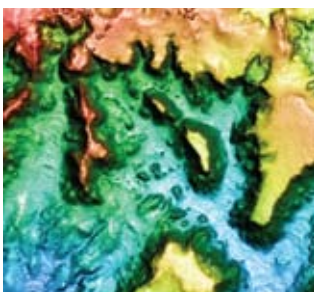
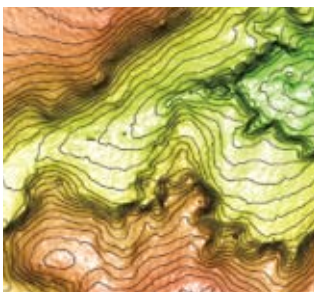
A COMPREHENSIVE SOLUTION

Each order contains:

1 METER POST-SPACING DIGITAL ELEVATION MODEL

50 CM, 1:4800 WORLDVIEW-1 ORTHORECTIFIED IMAGERY

1 METER CONTOURS



SPECIFICATIONS

TECHNICAL SPECIFICATIONS: DEM	
Vertical Accuracy	25-50 cm observed relative accuracy depending on ground control. 1 m absolute accuracy LE 90
Post-Spacing	1 meter
Horizontal Accuracy	4.1 meters CE 90
File Type	GeoTIFF format
Projection	Customer defined

TECHNICAL SPECIFICATIONS: IMAGERY	
Resolution	50 cm
Accuracy	4.1 meters CE 90, 1:4800 map scale
Color Type	Panchromatic (black and white)
File Type	GeoTIFF format
Projection	Customer defined

APPLICATIONS



EXPLORATION AND MODELING

- Seismic surveys
- Geological mapping
- Hydrographic mapping

ASSET PLACEMENT AND DESIGN

- Facilities
- Distribution lines
- Roads
- Cell towers
- Dams

LAND MANAGEMENT

- Drainage analysis
- Flood plain analysis and modeling
- Wetland management
- Landslide risk assessment

VISUALIZATION AND SIMULATION

- Aerospace
- Defense
- Line of sight analysis

DELIVERABLES

- Digital Elevation Model in GeoTIFF format
- WorldView-1 panchromatic ortho imagery in GeoTIFF format
- Contours in shapefile format
- Image Support Data (ISD) files (Layout file, shapefiles, browse image, Product README, image metadata file, ephemeris file; attitude file; geometric calibration file; RPCooB file; license text file; tile map file)

DELIVERY METHODS



WEB-BASED DELIVERY: FTP