



DIGITAL TERRAIN MODEL (DTM)

 DATA SHEET

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Risk assessors, civil engineers and civil governments need reliable data for flood assessments, slope assessments and identifying topographic changes. Maxar DTM is an accurate, high-resolution bare earth elevation data layer that is produced by industry-leading automated 3D modeling technology. Maxar DTM is generated from fully automated processing, providing delivery speeds far beyond traditional technologies.

Superior accuracy

Maxar DTM is a derivative of Maxar 3D Surface Model and is perfectly coregistered to Maxar 3D products. Maxar DTM's bare earth representation removes structures and vegetation to provide insight into topography and material volumes.

Accurately aligned global foundation

All Maxar 3D data products are built from commercial satellite imagery, using the same industry-leading automated 3D production process and highest standards. The core output—Maxar 3D Surface Model—is the most accurate 3D representation of Earth. It is a 50 cm resolution 3D product with real textures and an absolute accuracy of 3 m in all dimensions. This superior accuracy is achieved without ground control points and is consistent on all terrain types.

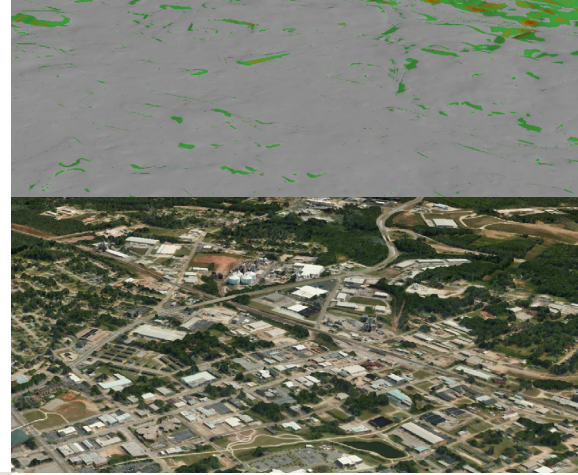
Features and benefits

Global coverage

- Maxar has the world's largest commercial archive of high-quality satellite imagery, which provides a foundation for consistent global coverage.

Rapid delivery

- Maxar's massive archives of imagery combined with its unique algorithms make DTM deliveries rapid and affordable. And Maxar's state-of-the-art high-performance computing center enables massive computation on a global scale. Current delivery time for countrywide areas of interest not yet on the shelf is weeks to months.



UNIQUE 3D TECHNOLOGY

Maxar's unique 3D technology is a combination of stereophotogrammetry and big data processing. The fully automated technology is sensor agnostic and does not require ground control points.

MAXAR

Diverse applications

The resolution and accuracy of Maxar DTM data make it suitable for a wide range of applications and industries, including:

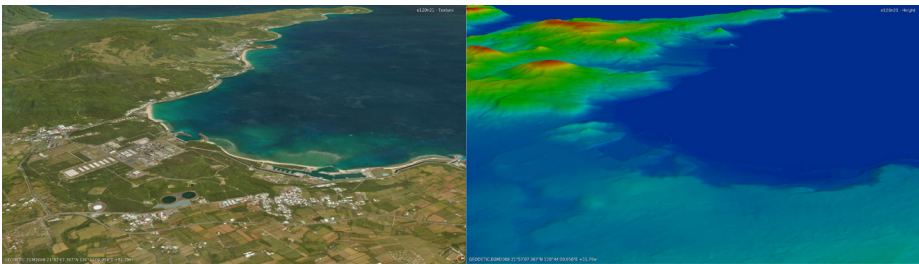
- Orthorectification
- Geology and hydrology
- Topographic mapping
- Elevation contour generation
- Security and defense
- Radio and telecommunications
- Infrastructure and construction
- Risk and disaster management

Data exploitation

- Maxar DTM is delivered in traditional formats, such as GeoTIFF, for immediate use in existing software and systems.

SPECIFICATIONS

| | |
|-------------|--|
| Resolution | 50 cm |
| Accuracy | Absolute: 3 m LE90, 3 m CE90 Relative: 1 m LE90, 2 m CE90 |
| File format | GeoTIFF (Other file formats are available on request.) |
| Bit depth | 32-bit |
| Delivery | FTP or HDD |



Maxar 3D Surface Model of Taiwan (left) and Maxar DTM of Taiwan (right)

GLOBAL BARE EARTH MODEL

The DTM algorithm removes trees and man-made structures from the 3D data using automated processing and massive source image archives.

HIGHLIGHTS

- Water matches surrounding terrain
- Valid for plain areas and steep terrain
- Valid without using ground control points
- Fully aligned with all Maxar 3D products