



DIGITAL SURFACE MODEL

 DATA SHEET

Digital Surface Model (DSM)

Telecommunications, city planning and autonomous vehicles require reliable measured heights at consistent intervals. Maxar DSM is an accurate global Digital Surface Model—high-resolution digital elevation data representing every single point on Earth, with 50 cm post spacing. Based on industry-leading automated 3D modeling technology, Maxar DSM provides users and analysts with the most accurate high-resolution global elevation layer available.

Superior accuracy

Maxar DSM is a derivative of Maxar 3D Surface Model and is perfectly coregistered to Maxar 3D products. Maxar DSM provides true height measurements of terrain, structures and vegetation globally at 50 cm intervals.

Accurately aligned global foundation

All Maxar 3D data products are built from the highest quality 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 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 surfaces and terrain types, including building facades.

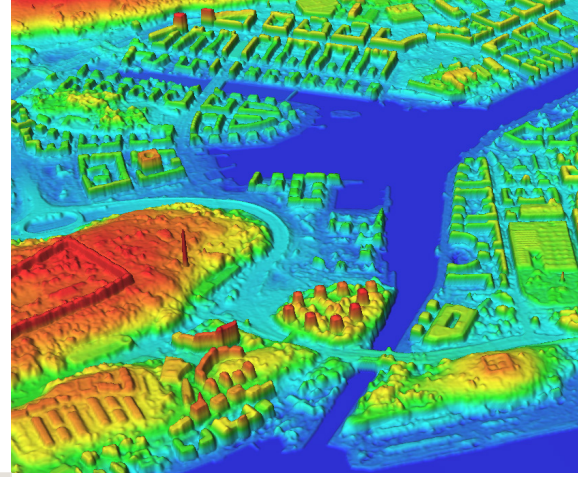
Features and benefits

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

- Instant deliveries are available from the quickly growing off-the-shelf archive via physical media or electronic download. 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.

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Diverse applications

The resolution and accuracy of Maxar DSM data provide for superior analysis and decision-making in a range of applications:

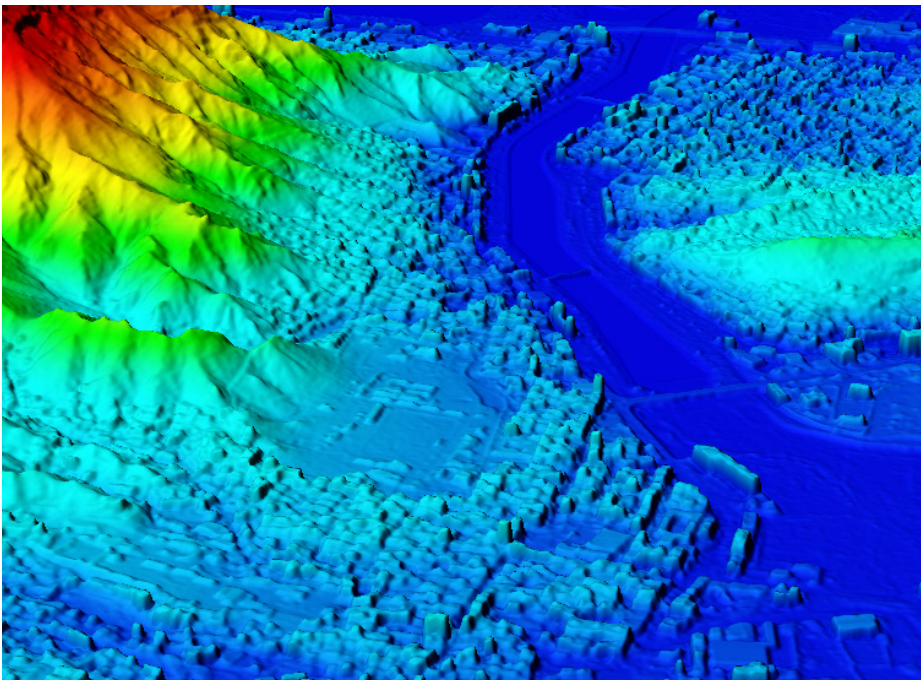
- Security and defense
- Energy and natural resources
- Infrastructure and construction
- Radio and telecommunications
- Mapping
- Cadaster analysis
- Flood management
- Risk and disaster management

Data exploitation

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

SPECIFICATIONS

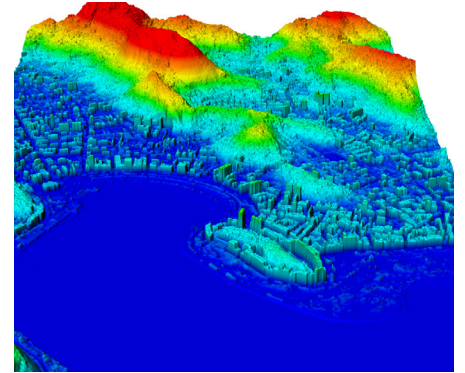
Post spacing	50 cm
Accuracy	Absolute: 3m LE90, 3m CE90 Relative: 1m LE90, 2m CE90
File format	GeoTIFF (Other file formats are available on request.)
Bit depth	32-bit
Delivery	FTP or HDD



Maxar DSM of Al Mukalla, Yemen

HIGHLIGHTS

- Water matches surrounding terrain
- Valid on all surfaces and terrain types
- Valid without using ground control points
- Fully aligned with all Maxar 3D products



Maxar DSM of Rio de Janeiro, Brazil

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