



DATA SHEET

AW3D STANDARD DEM

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AW3D Standard DEM

Available in the DigitalGlobe Elevation Suite from partner NTT Data, AW3D Standard is the highest resolution global digital elevation model (DEM) with pole to pole coverage. Wide-area Digital Elevation Models (DEM) are ideal for understanding large swaths of the landscape for orthorectification, forestry, agriculture, natural disaster planning, disaster response and more.

Features & benefits

AW3D Standard is a low-cost, rapid delivery option for wide-area DEM needs. It's also an ideal complement to custom high-resolution, small-area models.

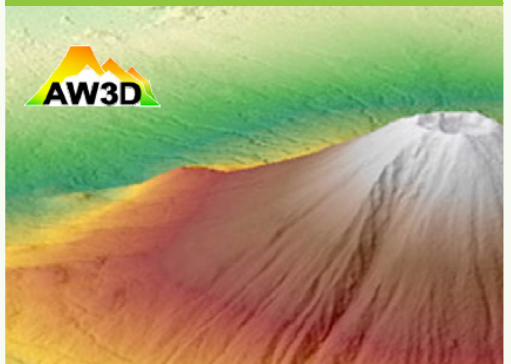
- Superior resolution and accuracy competitor global DEMs
- Pole-to-pole global coverage
- Available off the shelf with rapid ordering turnaround times
- Higher resolution than competing off-the-shelf DEMs
- Offered as DSM (minimum AOI 400 sq km) or DTM (minimum AOI 100 km²)

Product specifications

- 5m resolution,
- Vertical Accuracy 5m RMSE - 7m LE90,
- Horizontal accuracy 5m RMSE - 7m CE90

Available Product Types	DSM or DTM
Mesh Size	5m
Horizontal Accuracy, CE90	7m
Vertical Accuracy, LE90	7m
Horizontal Accuracy, RMSE	5m
Vertical Accuracy, RMSE	5m
Minimum Order Size	5m
Delivery Format	GeoTIFF
Delivery Method	FTP, HDD
Additional Options	2.5m Panchromatic Ortho
	Quality Control File

MOUNT FUJI, JAPAN



AW3D Standard DEM shown with hypsometric tinting

Available products

- Level 1: Unedited raw surface model (available upon request)
- Level 2: DSM
- Level 3: DTM
- Quality-control file/layer (optional)
 - 5m raster data created during the DSM process. Provided on an AOI basis, it includes "correlation values" of (0 – 200) using unsigned 8 bits expressing confidence level of DSM height value.

Horizontal datum

- WGS84 (if other datum is required, please contact us)

Vertical datum/ellipsoid

- WGS84 (Ellipsoid) or EGM96 (Elevation)

Map projection

- Lat/Lon or UTM (Level 1: DSM)
- UTM (Level 2: DSM and Level 3: DTM)

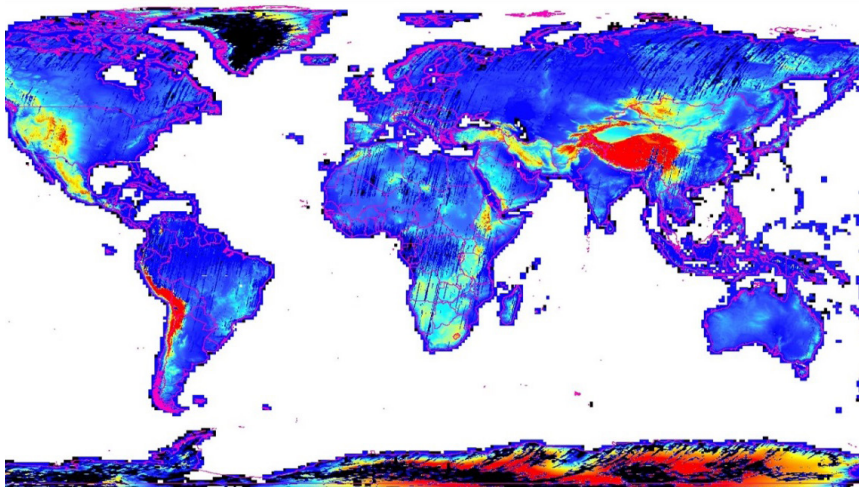
Void infill

- Level 1: DSM Not available
- Level 2: DSM and Level 3: DTM—using 30m SRTM (ASTER G-DEM for > N. 65 degree and > S. 60 degree) is available on Level 2 and Level 3 product

File format

- Geotiff 16-bit signed integer (geotiff 32-bit signed floating point—available on request)

COVERAGE AREA MAP



Hypsometric elevation map showing global terrain. Purple = low elevations, red = high elevations, Black = possible void areas that can be infilled with 30m SRTM

Delivery Methods

- GeoTIFF
- DXF
- DWG
- CSV (ASCII text)
- STL

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