AW3D Enhanced

Global Digital Elevation Model

NTT DATA

RESTEC

Height m
- 0
- 0.5
- 1
- 1.5
- 3
- 5
- 10
- 15
- 20
- 30
- 40
- 50
- 100+

0	250	500	750	1000 m

0.5m DSM / Location: San Francisco,
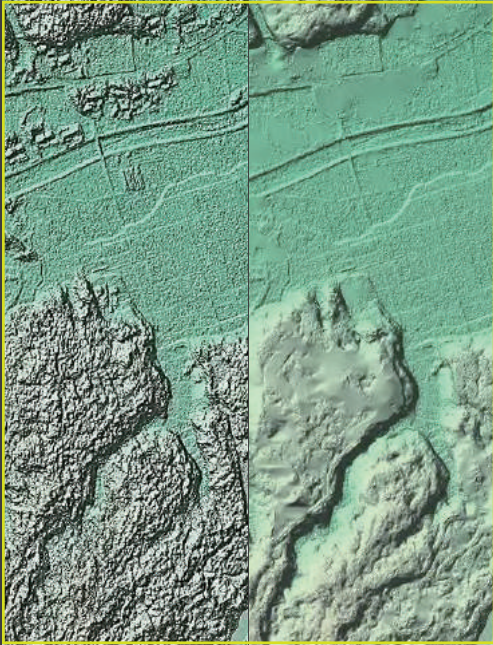CA Projection: UTM zone-10N / EPSG:32610

AW3D Enhanced DEM products are one of the world's highest resolution and the most accurate 3D digital map derived from satellite data. Our "Multiview Technology" enables us to process all possible and suitable pairs of high resolution imageries from 110+ PB of satellite data archive to generate best-in-class accurate DSM.

AW3D Enhanced data are optimal for any size of projects that require medium to large scale mapping geodata (up to 1/2,500 map equivalent).

AW3D Enhanced

0.5m DSM vs. 0.5m DTM - Fukushima, Japan

Thanks to its high resolution & quality, consistency, short turnaround time, scalable, extensive/flexible customization and superior user support, AW3D product family has been chosen as the worlds' best satellite-based geodata.

AW3D has been used in 130+ countries and in more than 2,000 projects, helping to meet needs for wires network planning, AEC projects, disaster management, environmental simulation, and security/intelligence communities.

AW3D Enhanced DSM/DTM is suitable for a project that requires precise, accurate, and homogeneous geodata over the target area of interest.

Please contact our sales representative for feasibility study, sample request, and any other inquiries.

www.aw3d.jp/en

Specification		
Product Type	Digital Surface Model (DSM) Digital Terrain Model (DTM)	"DSM + DTM" bundle discount is available
Spatial Resolution	2m, 1m, 0.5m (native)	
Coverage	Worldwide (on demand)	Feasibility study is required before order
Data Type	32-bit float	File format: 32-bit GeoTIFF (*.TIF) and others
Horizontal Accuracy (absolute)	1m RMSE / 1.5m CE90 (with GCP)	Global average, local deviations occur
	2m RMSE / 3m CE90 (without GCP)	
Vertical Accuracy (absolute)	1m RMSE / 1.5m LE90 (with GCP)	Global average, local deviations occur
	2m RMSE / 3m LE90 (without GCP)	
Supported CRSs	Geographic (Lat/Long) Universal Transverse Mercator (UTM)	
Elevation Datum	Orthometric elevation (EGM2008) Ellipsoidal elevation (WGS84)	
Minimum Order Size	DSM: 25+ km² per area	Minimum AOI width: 2 km or wider
Options	Ortho-image (30 – 50cm) Contour lines	New tasking is available per request
Delivery Method	Online download (web/FTP)	

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