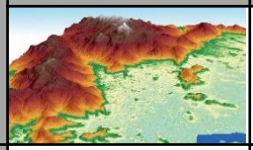
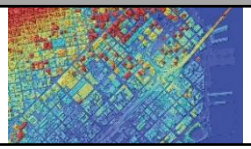
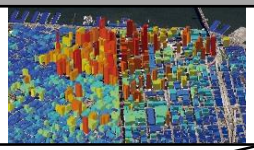
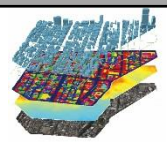
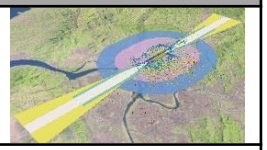
AW3D Product Family Specification

Product		AW3D Standard	AW3D Enhanced	AW3D Ortho Imagery	AW3D Building	AW3D Telecom	AW3D Airport
							
Resolution		2.5m / 5m	0.5m / 1m / 2m	30 cm / 40 cm / 50 cm / 60 cm / 2.5 m		2m / 5m / 20m *2	30m *2
Data Type	**Raster**	DSM / DTM	DSM / DTM	Pan / Color (4-Band)		DTM / DHM / DLU (Clutter)	DTM
	Vector				3D Vector (Building)	3D Vectors (Building / Forest / Bridge) 2D Linear Vector	Obstacles (Point / Line / Polygon)
Satellite		JAXA Advanced Land Observing Satellite "DAICHI" (ALOS)	Maxar's Constellation (WorldView etc.)	Maxar's Constellation, JAXA ALOS (2.5 m)	Maxar's Constellation	Maxar's Constellation, JAXA ALOS, etc	Maxar's Constellation, JAXA ALOS, etc
Area		Worldwide (Off-the-shelf)	Worldwide (On-demand)	Worldwide (On-demand)	Worldwide (On-demand)	Worldwide (Off-the-shelf / On-demand)	Area defined by ICAO Annex-04, 14, and 15 (Off-the-shelf / On-demand)
Minimum Order Size		400 km^2(DSM) 100 km^2(DTM)	25 km^2	400 km^2 (2.5 m Pan) 1,000 km^2 (2.5 m Col) 25 km^2 (Others)	25 km^2	25 km^2	25 km^2
Horizontal Accuracy		5m RMSE / 7m CE90	With GCP: 1m RMSE / 1.5m CE90 (absolute) Without GCP: 2m RMSE / 3m CE90 (absolute) 1m RMSE / 1.5m CE90 (relative)	■30/ 40 / 50 / 60 cm With GCP: 1m RMSE / 1.5m CE90*1 (absolute) 1:2,500 - 1:5,000 Equiv Without GCP: 3m RMSE / 5m CE90*1 (absolute) 1:5,000 - 1:10,000 Equiv ■2.5m 5m RMSE 1:25,000 Equiv	2m RMSE	■DTM / DHM / DLU may vary depends on the target land characteristics ■3D Vectors 2m RMSE	■DTM Ex) ICAO Annex-15 criteria(eTOD) 5m CE90 (Area2) ■Obstacles Ex) ICAO Annex-15 criteria(eTOD) 5m CE90 (Area2)
Vertical Accuracy		5m RMSE / 7m LE90	With GCP: 1m RMSE / 1.5m LE90 (absolute) Without GCP: 2m RMSE / 3m LE90 (absolute) 1m RMSE / 1.5m LE90 (relative)		1 - 2m RMSE	■DTM / DHM / DLU may vary depends on the target land characteristics ■3D Vectors 1 - 2m RMSE	■DTM Ex) ICAO Annex-15 criteria(eTOD) 3m LE90 (Area2) ■Obstacles Ex) ICAO Annex-15 criteria(eTOD) 3m LE90 (Area2)
Delivery Formats	**Raster**	GeoTIFF Format	GeoTIFF Format	GeoTIFF Format		BIL Format, MRR Format, etc.	GeoTIFF Format, etc.
	Vector				Tab Format, Shape Format	Tab Format, Shape Format, etc.	Shape Format, etc.

*1 Accuracy depends on the off nadir angle of satellite imagery and DEM used for orthorectification.
*2 Example of typical resolution. Please ask to our sales network for special features and customization.

As of July 1st, 2019