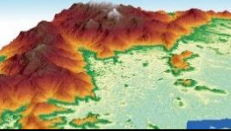


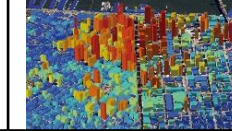
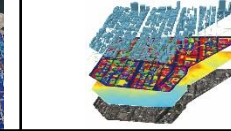



# AW3D Product Family Specification

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 )			Vector	3D Vector ( Building )	3D Vectors ( Building / Forest / Bridge ) 2D Linear Vector
	Satellite		JAXA Advanced Land Observing Satellite "DAICHI" (ALOS)	DigitalGlobe's Constellation ( WorldView etc. )	DigitalGlobe's Constellation, JAXA ALOS ( 2.5 m )	DigitalGlobe's Constellation	DigitalGlobe's Constellation, JAXA ALOS, etc	DigitalGlobe'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 km²( DSM ) 100 km²( DTM )	25 km²	400 km² ( 2.5 m Pan ) 1,000 km² ( 2.5 m Col ) 25 km² ( Others )	25 km²	25 km²	25 km²		
Horizontal Accuracy		5m RMSE / 7m CE90	With GCP: 1m RMSE / 1.5m CE90 ( absolute )	<ul style="list-style-type: none"> <li>■ 30/ 40 / 50 / 60 cm</li> <li>With GCP: 1m RMSE / 1.5m CE90*1 ( absolute ) 1:2,500 - 1:5,000 Equiv</li> <li>Without GCP: 3m RMSE / 5m CE90*1 ( absolute ) 1:5,000 - 1:10,000 Equiv</li> <li>■ 2.5m 5m RMSE 1:25,000 Equiv</li> </ul>	2m RMSE	<ul style="list-style-type: none"> <li>■ DTM / DHM / DLU may vary depends on the target land characteristics</li> </ul>	<ul style="list-style-type: none"> <li>■ DTM Ex) ICAO Annex-15 criteria(eTOD) 5m CE90 ( Area2 )</li> </ul>		
			Without GCP: 2m RMSE / 3m CE90 ( absolute ) 1m RMSE / 1.5m CE90 ( relative )			<ul style="list-style-type: none"> <li>■ 3D Vectors 2m RMSE</li> </ul>	<ul style="list-style-type: none"> <li>■ Obstacles Ex) ICAO Annex-15 criteria(eTOD) 5m CE90 ( Area2 )</li> </ul>		
Vertical Accuracy		5m RMSE / 7m LE90	With GCP: 1m RMSE / 1.5m LE90 ( absolute )	/	1 - 2m RMSE	<ul style="list-style-type: none"> <li>■ DTM / DHM / DLU may vary depends on the target land characteristics</li> </ul>	<ul style="list-style-type: none"> <li>■ DTM Ex) ICAO Annex-15 criteria(eTOD) 3m LE90 ( Area2 )</li> </ul>		
			Without GCP: 2m RMSE / 3m LE90 ( absolute ) 1m RMSE / 1.5m LE90 ( relative )			<ul style="list-style-type: none"> <li>■ 3D Vectors 1 - 2m RMSE</li> </ul>	<ul style="list-style-type: none"> <li>■ Obstacles Ex) ICAO Annex-15 criteria(eTOD) 3m LE90 ( Area2 )</li> </ul>		
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.