



Supported Satellite Sensors in GXL 2017

Note: Additional, unsupported sensors may be available when your system is delivered. Please enquire at gxl@pci-geomatics.com if you need additional sensors not listed below.

Sensor	Ortho	Pansharp	DEM Extraction	Cloud Detection and Haze Removal	Notes
ALOS-Prism	✓	n/a	✓	-	Level 1A, 1B1, 1B2R (Use level 1A or 1B1 for greatest accuracy)
Cartosat-1	✓	n/a	✓	✓	L1 (radiometrically corrected)
CBERS 2B	✓	✓	n/a	-	
CBERS 4	✓	✓	n/a	✓	Level L2 – PanMUX, MUXCam, IRS and WFI cameras all supported
Deimos-1	✓	n/a	n/a	✓	DIMAP Level 1B, 1R, 1T
Deimos-2	✓	n/a	✓	✓	DIMAP Level 1B, 1C
EROS A/B	✓	n/a	✓	n/a	Level 1, 1A standard
Formosat	✓	n/a	n/a	✓	Level 1, 1A standard
Gaofen-1	✓	✓	n/a	✓	Level 1, 1A standard
Gaofen-2	✓	✓	n/a	✓	Level 1, 1A standard
GeoEye-1	✓	✓	✓	✓	Standard GC Level 1, or Standard 2A/LV2A
HJ	✓	✓	n/a	-	Level 1 and Level 2
IKONOS	✓	✓	✓	✓	GEO product in GEOTiff, NITF format with or without RPCs
Jilin-1	✓	-	-	-	Level 1 with RPC
Kazeosat-1	✓	✓	n/a	-	Level 1A
KOMPSAT-2	✓	n/a	✓	✓	Level 1R and 1G, level 1R gives highest accuracy
KOMPSAT-3	✓	✓	✓	✓	Level 1R and 1G, level 1R gives highest accuracy
KOMPSAT-3A	✓	✓	-	✓	Level 1R and 1G, level 1R gives highest accuracy
LANDSAT 5 TM	✓	n/a	n/a	✓	LMTX Data with .txt and .tif files
LANDSAT 7 ETM+Data	✓	✓	n/a	✓	LMTX data with .txt and .tif files, L1G data, and FST data
LANDSAT 8	✓	✓	n/a	✓	LMTX Data with .txt and .tif files
OrbView-3	✓	-	n/a	✓	OrbView Basic product
PlanetScope	✓	-	-	✓	Level 3A / 3B Ortho products
Pleiades	✓	✓	✓	✓	Level 1A and Level 2



Sensor	Ortho	Pansharp	DEM Extraction	Cloud Detection and Haze Removal	Notes
QuickBird	✓	✓	✓	✓	Basic 1B format in TIFF and NITF, Ortho-ready standard in TIFF and NITF
RapidEye	✓	n/a	n/a	✓	Level 1B (Basic)
Resourcesat-2	✓	n/a	n/a	✓	Level 1G – AWIFS, LISS-3, and LISS-4
Sentinel-2	✓	-	-	✓	Level 1C and Level 2A Ortho products
SPOT-5	✓	✓	✓	✓	
SPOT-6	✓	✓	✓	✓	
SPOT-7	✓	✓	✓	✓	
SuperView-1	✓	-	-	-	
Thaichote (THEOS)	✓	✓	-	-	Level 1 / 1A
TH-01	✓	✓	✓	-	Level 1A, 1B, 2, 3A, 3B
TripleSat	✓	✓	-	-	
WorldView-1	✓	n/a	✓	-	Level 1B and Ortho-ready standard
WorldView-2	✓	✓	✓	✓	Level 1B and Ortho-ready standard
WorldView-3	✓	✓	✓	✓	50cm
WorldView-4	✓	✓	✓	✓	30cm PAN, 1.2m MS
Yaogan-14	✓	-	-	-	
Yaogan-2	✓	-	-	-	
Yaogan-8	✓	-	-	-	
ZY1-02C	✓	✓	n/a	-	
ZY-3	✓	-	✓	✓	
ZY3-2	✓	-	✓	✓	

Supported Airphoto Sensors

Sensor	Ortho	DEM Extraction	Notes
Applanix DSS	✓	✓	DEM extraction requires AT
Leica ADS	✓	-	ADS-40.ADS-80 - Level 0 and Level 1 ADS-100 - Level 1 only
Microsoft UltraCam	✓	✓	DEM extraction requires AT
Z/I Imaging DMC	✓	✓	DEM extraction requires AT



Supported Radar Sensors

Sensor	Ortho	Polarimetric	Notes
Cosmo-SkyMed	✓	✓	Level 1A (SCS) Level 1B (DGM) Level 1C/1D (Geocoded)
Kompsat-5	✓	✓	<i>Satrec Initiative Image Services (SIIS)</i> L1A Single-look complex L1B detected multi-looked L1C Geocoded L1D Terrain corrected <i>HDF5 and GeoTIFF formats</i>
Radarsat-1	✓	n/a	SGC (SAR Georeferenced Coarse Resolution) SGF (SAR Georeferenced Fine Resolution) SGX (SAR Georeferenced Extra Fine Resolution) SLC (Single Look Complex) SCN (ScanSAR Narrow Beam Product) SCW (ScanSAR Wide Beam Product)
Radarsat-2	✓	✓	SLC (Single Look Complex) SGF (SAR Georeferenced Fine, ScanSAR Narrow Beam, and ScanSAR Wide Beam) SGX (SAR Georeferenced Extra Fine) SGC (SAR Georeferenced Coarse) SSG (SAR Systematic Geocorrected) SPG (SAR Precision Geocorrected)
TerraSAR-X	✓	✓	<i>ASTRIUM Level 1B products</i> SSC_SM_D Single Look Slant Range Complex - Strip Map - Dual Polarized and Single Polarized SSC_HS_D Single Look Slant Range Complex - High-resolution Spotlight - Dual Polarized and Single Polarized SSC_SL_D Single Look Slant Range Complex – Spotlight - Dual Polarized and Single Polarized

✓ Valid and tested

- Not implemented

n/a: Not applicable due to e.g. band combination, processing level or vendor packaging

Last Updated: July 2017, for GXL 2017 release