

Automatic Tie-Point Collection ProPack

AUTOMATIC TIE-POINT COLLECTION PROPACK

Extend the functionality of the PCI ProSDK through the Automatic Tie-Point Collection ProPack, which enables the flexible use of PCI Geomatics' automatic tie-point and fiducial mark localization technology.

CORE PPFs

- AUTOTIE – Automatic collection of tie-points between two images
- TPREFN – Weeding and refinement of collected tie-points

SOME OF THE INCLUDED COMPLEMENTARY PPFs

Ground Control Point (GCP) and Tie Point (TP) Management

- GCPIMPORT – Imports GCP data from a GCP segment in a PCIDSK file into an OrthoEngine project file.
- GCPREAD – Imports ground control point data from a text file into a GCP segment in a PCIDSK file.
- GCPWRIT – Exports ground control point data from a GCP segment in a PCIDSK file to a text file.
- GCPPRO – Converts input ground control points (GCPs) to the specified output units.
- GCPEXPORT – Exports GCP data from an OrthoEngine project file into a GCP segment in a PCIDSK file.
- GCPELEV – Obtains elevations for GCPs from a DEM
- TPIMPORT – Imports tie point data from a text file into an OrthoEngine project file.
- TPEXPORT – Exports tie point data from an OrthoEngine project file to a text file.

Digital Elevation Model (DEM) Creation

- VDEMINT – Generates a raster DEM from elevation data in vector layers and observes 2D breakline constraints.
- NNINT – Generates a raster DEM from spot elevations read from a raster, using nearest neighbour interpolation.

DEM and Vector Elevation Reference Transfer

- DEMZREF – Transforms raster DEM elevation values from mean sea level to ellipsoidal.
- VECZREF – Transforms 3D vector elevation values from mean sea level to ellipsoidal.

Image Management

- IMERGE – Merges multiple geocoded rasters into a single file.
- REPROJ - Reprojects images, bitmap segments and vector layers to a specified projection.
- CLIP – Clips layers based on a user defined clip region.
- TILE - Creates multiple subset tiles from a single file.
- PYRAMID - Builds an image pyramid for each of one or more image channels in a file

For more information, contact

PCI Geomatics
50 West Wilmot Street
Richmond Hill, ON L4B 1M5
Canada

Phone: 1 905 764 0614

Fax: 1 905 764 9604

Email: info@pcigeomatics.com

Web: www.pcigeomatics.com