

## Automatic Mosaicking ProPack

### AUTOMATIC MOSAICKING PROPACK

Extend the functionality of the PCI ProSDK through the Automatic Mosaicking ProPack. The Automatic Mosaicking ProPack enables flexible use and automation of PCI Geomatics' robust automatic mosaicking technology.

The Automatic Mosaicking ProPack consist of an AUTOMOS PPF (PCI Pluggable Function) which support automatic detection and removal of image brightness variations, radiometric color balancing between images and automatic cut-line determination to minimize visibility of seams in the mosaic.

The Automatic Mosaicking ProPack allows:

- Image normalization:
  - Adaptive
- Automatic outline collection:
  - Minimum difference method
  - Minimum relative difference method
  - Edge features method
  - Entire image method
- Automatic color balancing:
  - Entire image method
  - Overlap area method
  - None
  - A reference image
  - Histograms
  - Look Up Table segments
- Definition of output mosaic results
  - Preview image
  - Generate full mosaic
- Supports mask control to exclude areas from radiometric correction and color balancing calculations.
- User control to specify starting image for color balancing and outline generation

Other PPFs are included in the Automatic Mosaicking ProPack to provide complementary operations, as described below.

### SOME OF THE INCLUDED COMPLEMENTARY PPFs

#### *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.
- GCPPRO
  - Converts input ground control points (GCPs) to the specified output units.
- PYRAMID
  - Build an image pyramid for one or more image layers in a data file.

#### For more information, contact

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