

TerraPhoto New Features

What's New in Terrasolid Jan 2020

Webinar

31 January 2020

Darrick Wagg
GeoCue Group, Inc.
9668 Madison Blvd., Suite 202
Madison, AL 35758
+1 (256) 461-8289
support@geocue.com
support.geocue.com

1

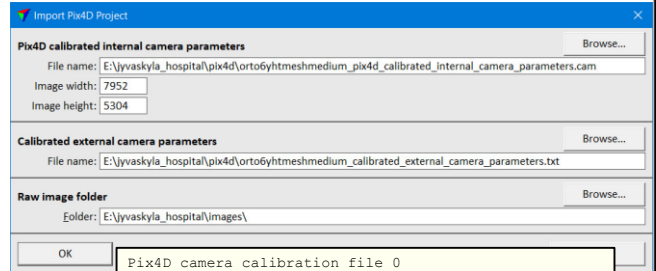
Various Improvements

- **Compute list** assigns line number to images from the trajectory information
- Support for LAS 1.4 project storage format in **Compute depth maps**
- **Default altitude** added to mission camera definition
 - Software can apply projection scale correction also without ground model
- Add lever arm option added to **Transform positions**

2

Import Pix4D Project

- Menu command for importing from Pix4D:
 - Converts camera calibration and writes TerraPhoto calibration files
 - Reads exterior orientation file
 - Fills mission information
- You need to save mission and image list if everything is OK



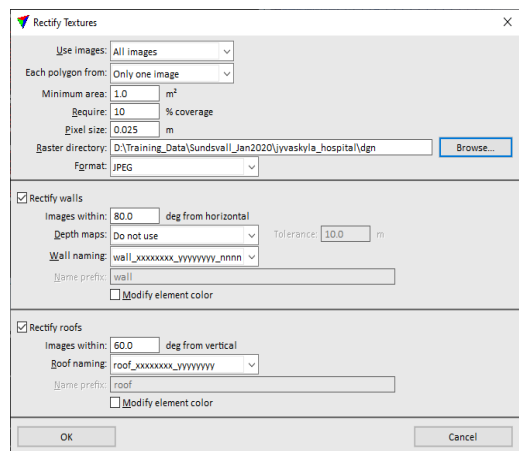
```
Pix4D camera calibration file 0
#Focal Length mm assuming a sensor width of
35.00001232000000328526x23.34507...
F 32.89615110721014445971
#Principal Point mm
Px 17.3517755791258036311
Py 11.70583378117954964637
#Symmetrical Lens Distortion Coeffs
K1 -0.00803368185748277140
K2 0.04960527247666809275
K3 -0.08978711662078046885
#Tangential Lens Distortion Coeffs
T1 0.00006623837728317332
T2 0.00009234061415758262
```

```
imageName X Y Z Omega Phi Kappa
DSC1_08742.JPG 485163.000776 6902283.399832 277.414924 16.865936 -9.01070
DSC1_08743.JPG 485163.610886 6902293.190518 277.196784 17.873123 -9.19925
DSC1_08744.JPG 485164.073528 6902303.170354 276.940318 18.683399 -9.37121
DSC1_08745.JPG 485164.544651 6902312.984558 276.986165 19.367899 -9.44649
DSC1_08746.JPG 485164.958985 6902323.112639 277.093724 20.025377 -9.45350
DSC1_08747.JPG 485165.259060 6902332.815649 277.253196 20.538488 -9.46294
```

3

Rectify Wall and Roof Textures

- Rectify wall textures changed to Rectify Textures
 - Supports both walls and roofs
 - New naming scheme uses centroid of building (Recommended)



4