

# TerraPhoto New Features

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# 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**



# 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

Import Pix4D Project

**Pix4D calibrated internal camera parameters**

File name:

Image width:

Image height:

**Calibrated external camera parameters**

File name:

**Raw image folder**

Folder:

```
Pix4D camera calibration file 0
#Focal Length mm assuming a sensor width of 35.00001232000000328526x23.34507...
F 32.89615110721014445971
#Principal Point mm
Px 17.35177755791258036311
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 -9.010703 -17.441003
DSC1_08743.JPG 485163.610886 6902293.190518 277.196784 17.873123 -9.199258 -17.397018
DSC1_08744.JPG 485164.073528 6902303.170354 276.940318 18.683399 -9.371216 -17.938680
DSC1_08745.JPG 485164.544651 6902312.984558 276.986165 19.367899 -9.446496 -18.356516
DSC1_08746.JPG 485164.958985 6902323.112639 277.093724 20.025377 -9.453507 -18.709603
DSC1_08747.JPG 485165.259060 6902332.815649 277.253196 20.538488 -9.462941 -18.976063
```

