Installation, Licensing and Updates LP360 2014.1 to Release in July

LP360



Lewis Graham June 2014 Revision 1.0



We will be releasing the first major version of LP360 for calendar year 2014 in July. This will encompass the experimental (EXP) releases of 2014 as well as new features we have added since our last EXP release.

We have done the usual "keeping up with the changes" sorts of accommodations such as full support for Windows 8.1 (although we recommend that you stay on Windows 7, 64 bit since Windows 8.1 is much more focused on the tablet PC market) and the latest version of ArcGIS 10.2 (10.2.2.3552 as of this writing).

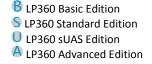
We have also been adding features aimed at the small Unmanned Aerial Systems (sUAS) customer base. While we think ArcGIS will be extremely important to this user community, the ability to run in 64-bit mode will be very important to this customer base (due to the very high density of the point clouds). Unfortunately, ArcGIS desktop is not yet available in a 64-bit version. For this reason, we have been diligently working to bring our LP360 Standalone versions up to parity with the ArcGIS version. With the 2014.1 release, you will find all but breakline creation tools in Standalone. This provides an incredibly powerful platform for visualizing and extracting value from sUAS point clouds.

In LP360 for ArcGIS, we rely on ArcGIS Desktop's very powerful image display tools for providing the image backdrop functions in LP360. We do not have this available in Standalone and thus we have added a robust set of new image display tools. Something I really like is our new Import Raster dialog (see Figure 1). Designed the same as the LAS Import dialog, this new table-based interface allows you to examine image metadata prior to loading.



Figure 1: The new Load Images dialog in LP360 Standalone

A second powerful feature we have added is the automatic segregation of images into layers based on "compatible" parameters. For example, it does not make sense to place images with differing numbers of bands (see Figure 1) on the same layer since operations such as mapping bands to Red, Green, Blue channels becomes ambiguous. Thus just as we do for LAS files, we automatically segregate imagery into layers on which you can perform homogeneous operations (see Figure 2). We are also adding some basic enhancement tools as well as the ability to set image transparency.





Installation, Licensing and Updates LP360 2014.1 to Release in July



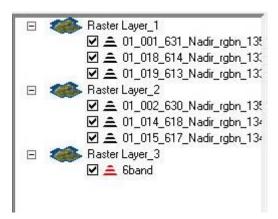


Figure 2: Segregation by Image Type

As the need for powerful 64 bit applications for the sUAS market expands, we will continue to add features to LP360 to maintain it as the very best platform for exploitation of point cloud/imagery combinations. We will also continue our policy of providing both the ArcGIS version and the Standalone version under a single license purchase.