

# Installation, Licensing and Updates

## LP360 2014.1 to Release in July

LP360



Lewis Graham

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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.

File	Size (MB)	Date	Map Layer	Message	Format	Rows	Columns	BPB	Bands	Data Type	Image Type	Band Types
01_001_631_Nadir_rgbn_1356.tif	332.76	Tue May 06 10:02:43 2014	Raster Layer_1		GTiff	6732	9000	8	4	CHAR		Red, Green, Blue, Undefi
01_018_614_Nadir_rgbn_1339.tif	332.76	Tue May 06 10:06:33 2014	Raster Layer_1		GTiff	6732	9000	8	4	CHAR		Red, Green, Blue, Undefi
01_019_613_Nadir_rgbn_1338.tif	332.76	Tue May 06 10:07:07 2014	Raster Layer_1		GTiff	6732	9000	8	4	CHAR		Red, Green, Blue, Undefi
01_002_630_Nadir_rgbn_1355.tif	666.51	Tue May 06 10:03:34 2014	Raster Layer_2		GTiff	6732	9000	16	4	USHORT		Red, Green, Blue, Undefi
01_014_618_Nadir_rgbn_1343.tif	666.51	Tue May 06 10:09:28 2014	Raster Layer_2		GTiff	6732	9000	16	4	USHORT		Red, Green, Blue, Undefi
01_015_617_Nadir_rgbn_1342.tif	666.51	Tue May 06 10:08:40 2014	Raster Layer_2		GTiff	6732	9000	16	4	USHORT		Red, Green, Blue, Undefi
6band.tif	405.74	Thu Jun 05 16:09:51 2008	Raster Layer_3		GTiff	7786	8686	8	6	CHAR	Multispectral	GrayIndex, Undefined, U

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.

- LP360 Basic Edition
- LP360 Standard Edition
- LP360 sUAS Edition
- LP360 Advanced Edition

- ArcGIS
- Windows
- GeoCue

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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.