

General Workflow to use Immersive Image Explorer

1. Import a Handheld, Mobile, or Drone Dataset
2. Process through to a Point Cloud – Workflow depends on dataset type:
 - a. Flight Line Creation
 - b. Sensor or SLAM processing
 - i. Trajectory
 - ii. Geocoding
3. Enable Immersive Viewer
4. Open Immersive Image Explorer

Immersive Image Explorer



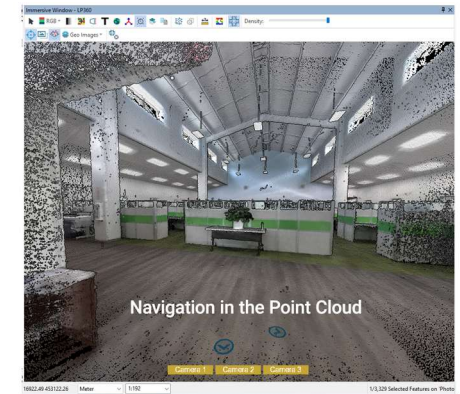
Immersive Viewer



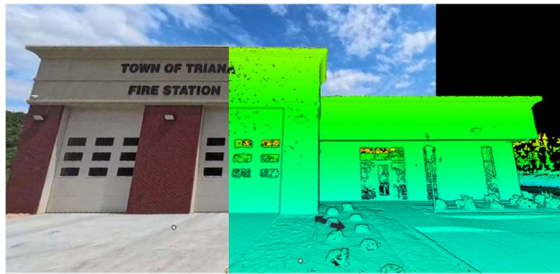
For additional information or documentation, please visit our searchable **Knowledge Base**:
[Support.lp360.com](https://support.lp360.com)

Immersive Image Explorer

In this exercise, we will review how to use the Immersive Image Explorer in the Immersive Viewer in LP360.



LP360



About the Immersive Image Explorer

The **LP360 Immersive Viewer**  allows you to explore your entire LPLAS point cloud in a seamless, interactive 3D environment.

The **Immersive Image Explorer**  is embedded within the **Immersive Viewer** allowing users to navigate through images aligned with point cloud data and offering a ground-level immersive experience akin to Google Street View.

The **Immersive Image Explorer** is designed to:

- Display images from their optical center.
- Overlay point clouds and imagery for contextual analysis.
- Allow toggling of visual layers for focused inspection.

How to use Immersive Image Explorer

The Immersive Image Explorer toolbar allows users to toggle **Geo Images** and **Street View Images** available in a project.

Immersive Image Explorer  offers the ability to view any combination of:

- **Show Point Cloud**  – different display options available.
- **Show Images** 
 - **Geo Images**  – images captured by drone-mounted or handheld sensors.
 - **Street View images**  – images captured using multi-camera rigs or spherical cameras like the *Insta360* and *Teledyne FLIR LadyBug*.

The **Immersive Image Picker**  allows users to select a location (first click) and viewing direction (drag in viewing direction) to navigate through the Immersive View.

 The **Immersive Image Explorer Navigation** arrows provide a means for the user to navigate to the next/previous photo along the trajectory.



Additional Information



To return to the standard Immersive View display, use the **Close Immersive Image Explorer** button.

Geo Images vs Street View Images

Geo Images are often the default when panoramic data isn't available or when the camera setup doesn't support immersive capture.

Street View Images are designed to replicate the experience of standing in a location. This supports Street View-style layers that can be used for immersive inspection and annotation workflows.

For key differences between the types of images used, please see the table listed below:

Feature	Geo Images	Street View Images
Capture Style	Frame-based	Panoramic/360°/Bubble
Sensor Type	Drone/handheld	Multi-camera rigs
Use Case	Mapping, modeling	Inspection, immersive viewing
Integration	LP360 desktop workflows	LP360 Cloud viewer and LP360 desktop
Metadata	GPS, orientation	GPS, spherical stitching
Processing	Colorization, classification, immersive navigation	Annotation, immersive navigation

This functionality requires an *LP360 Land Standard* or an *LP360 Drone* license.

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