

Readme

GeoViewer Version 9.0.1

August 2015

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Table of Contents

Product Overview	1
GeoViewer Pro Features	2
System Requirements	2
Installation Notes	3
New Features	4
Fixes	6
Customer Support	6
Legal	6

Product Overview

GeoViewer is a software solution for viewing raster, vector, WMS, and LiDAR imagery. GeoViewer supports a broad range of file formats, including the industry standard MrSID format and the ISO standard JPEG 2000 format. You can use GeoViewer as a free application, or you can purchase GeoViewer Pro to access additional functionality.

Here are some of the tasks that you can perform in GeoViewer when you use it as a free application:

- Display multispectral imagery and select the image bands that you want to display.
- View image metadata, including projection information.
- Display an OpenStreetMap layer as a base map.
- Browse and display imagery from a WMS server that you specify.

- Change the map's projection to view images in their native projection, in WGS 84, or in Web Mercator.
- Display LiDAR point clouds in 3-D.
- Create bookmarks for frequently accessed locations.
- Measure distances.
- Export images or portions of images.
- Use dynamic range controls to improve the way that images are displayed.

GeoViewer Pro Features

[Purchase GeoViewer Pro](#) online to unlock additional functionality.

The following list describes some of the tasks that you can perform when you purchase GeoViewer Pro:

- **Printing.** Print images or portions of images that you specify.
- **Tiled image export.** Create image tiles when you export images.
- **Changing projections.** Change the map's projection to additional supported projections. With the free version of GeoViewer, you can only display images in their native projection, in WGS 84, or in Web Mercator.
- **Area measurement.** Display the area of shapes that you draw on the map.
- **Location search.** Search for a location using addressing information.

System Requirements

Before you install GeoViewer, verify that your system meets the minimum system requirements.

Operating System Requirements

You can run GeoViewer on 32-bit and 64-bit versions of Windows. GeoViewer supports the following operating systems:

- Windows 7
- Windows 8
- Windows Server 2012

Hardware Requirements

For optimal performance, verify that your system meets the following recommended hardware requirements:

- 2.5 GHz quad core processor
- 4 GB RAM
- 200 MB of disk space for installation and additional space for images
- SATA drive or better

However, it is still possible to run GeoViewer on systems with the following minimum hardware requirements:

- 1.5 GHz processor
- 1 GB RAM
- 200 MB of disk space for installation and additional space for images

Software Requirements

On Windows, GeoViewer requires the following software to run:

- Microsoft .NET Framework 4.5
- Microsoft DirectX 9
- Visual Studio C++ 2013 Redistributable

If this software is not installed on your machine, the GeoViewer installer downloads and installs the software for you.

NOTE: Microsoft DirectX is used to display LiDAR imagery in 3-D.

Installation Notes

To install GeoViewer, run the `setup.exe` program located in the parent directory of the installation media. You can install GeoViewer for one user or for all the users of a machine. If you want to install GeoViewer for all the users of a machine, run the `setup.exe` program with administrator privileges.

The installation process creates a shortcut in the `LizardTech` directory of the **Start Menu**.

New Features

Version 9.0 of GeoViewer includes the following new features and enhancements:

Printing

Print one or more images that you add to the map. When you print images, you can print the area that is currently visible, print custom areas that you select, or print the full extents of all layers on the map.

You can print images at native resolution or automatically fit images on the number of pages that you specify. For example, you can specify that you want images to fit in an area two pages wide and two pages high.

Printing is a GeoViewer Pro feature.

Bookmarks

Create bookmarks to save areas of interest that you access frequently. You can edit, delete, and export bookmark areas. With GeoViewer Pro, you can also print bookmark areas.

Changing the Map's Projection

Reproject images to another projection that you specify. By default, you can display images in their native projection, in WGS 84, and in Web Mercator. With GeoViewer Pro, you can reproject images to additional supported projections.

Installation for All Users

When you install GeoViewer, you can either install GeoViewer for all the users of the machine or for a single user. Previously, you could only install GeoViewer for a single user.

OpenStreetMap Support

Display an OpenStreetMap layer as a base map. The OpenStreetMap layer is excluded from export jobs and print jobs.

Dynamic Range Stretching

When you open a 16-bit raster image, GeoViewer automatically uses dynamic range stretching to improve the appearance of the image. To change or disable dynamic range stretching for a specific layer, right-click a layer in the **Project** pane and select **Layer Controls**. To change or disable dynamic range stretching for all layers, edit the **UI preferences**.

Area Measurement

Display the area of shapes that you draw on the map. Area measurement is a GeoViewer Pro feature.

Location Search

Search for geographic coordinates or addressing information. Searching for locations with addressing information is a GeoViewer Pro feature.

JPIP Improvements

When you access JPIP imagery, GeoViewer reads projection information from the JPIP server to display imagery in the correct location. Additionally, if you access the JPIP component of a LizardTech Express Server, you can browse a list of the imagery available on the server.

Tiled Image Export

When you export imagery from GeoViewer, you can select tiling options. You may want to create image tiles when you export very large images. Tile image export is a GeoViewer Pro feature.

Expanded File Format Support

You can now view images in the CDRG and PNG file formats. Additionally, you can view signed 16-bit images.

Auxiliary File Support

GeoViewer now reads projection information from auxiliary files in the aux.xml format automatically. The projection information from aux.xml files takes precedence over image metadata and over world files as well.

Fixes

Version 9.0.1 of GeoViewer contains the following fixes:

Bug ID	Description
18550	GeoViewer may stop responding if you attempt to view floating point MrSID Generation 2 images with large, negative no-data values.

Customer Support

To contact LizardTech Customer Support, visit the following website:

<https://www.lizardtech.com/support/>

Alternatively, call one of the following phone numbers:

1-866-725-5211

206-652-5211

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