

ImageZoom Viewer

.NET Edition

Version 2.4

Image and PDF viewer control for .NET applications

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REFERENCE GUIDE

TABLE OF CONTENTS

Introduction	3
Version history	4
Installation and Deployment	5
Method Reference	6

Introduction

ImageZoom Viewer is a native 100% C# bitmap and PDF viewer control for WinForm applications that enhanced the user experience when browsing images and documents.

ImageZoom Viewer for .NET supports PDF, TIFF, GIF, PNG, JPEG and BMP file formats, with interactive zoom, panning and page browsing for PDF and TIFF files.

Use it for:

- * Displaying big images while allowing the user to zoom a zone.
- * Read multi-page documents (PDF or TIFF), directly from your application.
- * Enhance the experience of your users.
- * Great replacement for PictureBox control.

It has been designed to be very easy to use and to grant the best user experience. You only need to drag the control from the toolbox palette to your forms and use it like another container control (ie. PictureBox).

Features:

- ❖ 100% .NET native component (C# written).
- ❖ Supports TIFF, GIF, PNG, JPEG and BMP formats.
- ❖ Supports PDF format (requires Ghostscript library installed - see below).
- ❖ Supports multipage files, allowing visual scrolling between pages.
- ❖ Asynchronous, multi-threading page loading.
- ❖ Interactive, fast and smooth zoom and panning using mouse.
- ❖ Incremental zoom using mouse wheel.
- ❖ Page navigation and rotation menu clicking right mouse button.
- ❖ Adaptative rendering quality, optimized for best experience.
- ❖ Custom border style (width and brush can be specified).
- ❖ Custom inner margin and backcolor
- ❖ Printing images

If you need further help about anything, don't hesitate to contact us at:
contact@softwaresigloxxi.com or visit our website at www.softwareSigloXXI.com.

Version history

Version 2.4

- New properties: QuickScroll, QuickZoom and QuickRotate (to avoid transition effects).
- New methods: NavigateToFirstPage, NavigateToNextPage, NavigateToPreviousPage, NavigateToLastPage, CurrentPage.
- Improved memory handling

Version 2.3

- New property: RasterResolution.
- Bug fixed which caused blank viewer when loading some TIFFs

Version 2.2

- Bug fixes.

Version 2.1

- Added printing functions.

Version 2.0

- Added ability to display several pages in multi-page formats (TIFF and PDF)
- Asynchronous, multi-threading loading of pages in background
- New buttons in navigation bar

Version 1.0

- First release

Installation and Deployment

The image viewer control is provided as a single DLL (ImageZoom.DLL).

To use it in your application simply drag it to the toolbox palette.

To deploy the control, include ImageZoom.dll along your application main directory.

Note: to load PDF files, you need also GhostScript library installed on the destination computer. You may obtain a copy of this library for free here:

<http://sourceforge.net/projects/ghostscript/>

Download latest release and copy the file `gsdll132.dll` or `gsdll164.dll` to the Windows/System32 folder.

Method Reference

The ImageZoom Viewer has all the common method/properties of any user control but also adds the following special method/properties which you can use from your code:

- **BorderStyle:** specifies the style for the border providing a System.Drawing Pen object, which has been created previously specifying width and color.
- **CurrentPage:** returns current page number.
- **Image:** gets or sets the rasterized image for any page of the current document.
- **InterpolationMode:** specifies the quality of the viewer. It accepts a System.Drawing.Drawing2D.InterpolationMode value.
- **InnerMargin:** specifies the size in pixels for an additional margin between border and image.
- **LoadImage** (Image object): loads the image object passed as argument.
- **LoadImage** (String path): loads the file pointed by the path argument. Can be any format supported by .NET Framework 2.0 like PNG, TIF, BMP, GIF, JPEG and also PDF (provided GhostScript is installed in the system).
- **MenuEnabled:** allows/disables top toolbar. When enabled appears right-clicking on control.
- **NavigateToPage:** scrolls to specified page.
- **NavigateToFirstPage / NavigateToLastPage:** scrolls to first / last page.
- **NavigateToNextPage / NavigateToPreviousPage:** scrolls to next / previous page.
- **PrintPage:** show a print preview of specified page/image.
- **PrintShowDialog:** show printer's configuration dialog.
- **QuickScroll / QuickZoom / QuickRotate:** disables scrolling/zooming/rotation transitions allowing immediate update to the new zoom/position/rotation.
- **RasterResolution:** sets rasterizing resolution factor when displaying PDFs (default is 96).
- **ZoomFactor:** sets the current zoom factor (from 0.00001 to 90).
- **ZoomToCurrentPage:** scrolls to and maximizes current selected page.
- **MoveImage:** scrolls current view up, down, right or left.

ImageZoom Viewer Reference Guide

Not all functions have been exported to public methods since our purpose with this control was to encapsulate all the logic of next page/prev page/... buttons in the same user interface. But if you need any custom method or operation, please contact us for a new update.