



# Release Notes

## 3-Heights™ PDF Tools

Version 1.30

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## 1 Overview

The 3-Heights™ PDF tools represent the newest product line from PDF Tools AG. The 3-Heights™ PDF tools are available as programming libraries (APIs), command line tools, server tools and end-user products. The tools allow for a wide variety of manipulation of PDF files including viewing, printing, exporting information, conversion, repair and optimization.

## 2 Technical Support

Please report and problems by contacting our support department by mail:

[pdfsupport@pdf-tools.com](mailto:pdfsupport@pdf-tools.com)

## 3 How to Download

The 3-Heights™ PDF tools can be downloaded from the product description pages on our website. There is no charge for downloading evaluation versions (valid for a 30 day limit).

<http://www.pdf-tools.com/asp/products.asp>

## 4 System Requirements

All of the 3-Heights™ PDF tools are available for:

- Windows NT
- Windows XP
- Windows 2000
- Windows 2003
- Windows 9x / ME

Some of the tools are also available for:

- AIX
- Solaris
- HP-UX 11.0
- OS X
- Linux
- Free BSD

Please refer to the ordering information on the individual product pages to determine which platform each tool is available for.

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## 5 New Products

The following new 3-Heights™ PDF Tools have been introduced with Release 1.30:

### 5.1 *3-Heights™ Image to PDF Converter*

Available as:

- Command Line / Shell Tool
- Programming SDK / API

The 3-Heights™ Image to PDF Converter converts images into PDF documents. The converter can also convert image files into image files of a different format, and split and merge multi-page image files.

### 5.2 *3-Heights™ PDF Desktop Repair Tool*

The 3-Heights™ PDF Desktop Repair Tool is an end-user version of the PDF Repair Tool that can analyse PDF documents, repair PDF files, and recover information from irreparable corrupt PDF files.

### 5.3 *3-Heights™ PDF Security Tool*

Available as:

- Command Line / Shell Tool
- Programming SDK / API

The 3-Heights™ PDF Security Tool can be used to encrypt PDF documents and set permissions on PDF documents.

### 5.4 *3-Heights™ PDF Extract Shell*

The 3-Heights™ PDF Extract Shell is a command line version of the 3-Heights™ PDF Extract API. It has been developed from the old PDF Text Extraction Tool, is based on the new 3-Heights Kernel and has been enhanced with a new option: -t text mode

### 5.5 *3-Heights™ PDF Optimization Tool*

- Include strip modes
- Include redundant object removal

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## **6 New Features to all Products**

### **6.1 *Changes to the PDF Kernel***

- Codecs for TIFF, JPEG, PNG, GIF, BMP, PBM, JBIG2, JPEG2000
- Vertical writing fonts
- JBIG2 Encode / Decode Filter (LuraTech)
- JPEG2000 Encode / Decode Filter (LuraTech)
- Fast CMYK to RGB conversion using Neugebauer equations
- Text extraction has a more sophisticated word separation
- Default encoding improves text extraction
- Add table interpolation to Type0 functions
- Add compressed object and XREF streams
- Add evaluation watermark
- Standard encryption accepts revision level > 3 now
- Subsetting of all font types implemented
- The Inet.dll has been added to allow for http, https and ftp connections
- Separate PDF font objects, font library and font programs
- Separate predictor from filters (re-entrancy)
- Improve performance: Scanner, static WinAnsi encoding
- Improve performance: Array and Map collections
- Improve performance: flate decode
- Images have been separated from codec's
- Load on demand has been implemented for: Images, Actions, Annotations, Destinations, Outlines
- Set objects in the 'dirty' state when modified
- Copying of objects has been improved
- Open / Create / Close document includes now encryption / decryption
- Accuracy of fractional numbers have been improved in the generator
- The scanning of embedded images has been improved
- The execution of PostScript functions has been improved

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## **6.2 *Changes to the PDF Tools Rendering Engine***

- Rotate modes (None, Attribute, Portrait, Landscape)
- Vertical writing fonts
- Replace BeginPath/EndPath with Path objects
- Compatibility mode to support older printer drivers
- The font matching has been improved for non-embedded, non-installable and non-preinstalled fonts

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## **7 New Features to specific Products**

### **7.1 *3-Heights™ PDF to Image Converters***

(PDF to TIFF, JPEG, PNG, GIF, BMP Converters)

- Group3 2D support
- Option to set optimal FAX settings
- The image output has been optimized using the new image codecs

### **7.2 *3-Heights™ PDF Printer, Printer Pro and Printer Server***

- New printer properties: Color, Print Quality, and Collate
- The default printer can now be inquired for Windows 9x
- A device properties dialog can be displayed to edit additional properties
- The Pro Version supports now multiple watermarks
- New properties to set the font style of the watermarks
- The TIFF viewer has been optimized using the new TIFF codec
- The property UseRotate has been replaced by the new property RotateMode

### **7.3 *3-Heights™ PDF Viewer and Viewer Pro***

- Destinations from link annotations
- Flicker free repaint (double buffering)
- Multithreaded repaint
- Add tool tips to toolbars of visual tools
- Add Rebar control (in addition to toolbar)

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## **8 About PDF Tools AG**

PDF Tools AG ([www.pdf-tools.com](http://www.pdf-tools.com)) is a world leader in PDF (Portable Document Format) programming technology, delivering reliable PDF products to international customers in all market segments.

PDF Tools AG provides server-based software products designed specifically for developers, integrators, consultants, customizing specialists and IT-departments. Thousands of companies worldwide use our products directly and tens of thousands more use the technology indirectly via our growing network of OEM partners. The tools can be easily embedded into application programs and are available for a multitude of operating system platforms.