PDF Stamp SDK V1.1.0
User manual

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Introduction

PDF Stamp is an advanced product that enables you to stamp content into a PDF document. Besides images, texts, PDF Stamp is able to add links. These processes can be realized in a determined number of pages with precise control over the size and position, the stamped text and/or images become a permanent part of each PDF document. There is no limit to the amount of stamps you could apply to a single document and no limit to the amount of documents you can stamp, as special feature you can integrate PDF Stamp into yourself programs (Include client side and Server side applications).

PDF Stamp lets you stamp watermarks such as "Confidential" on pages that include sensitive information or "Draft" on a preliminary PDF document to be distributed for review. You can stamp PDF document names, revision numbers, Date/Time stamps, bates numbering, pages numbers, contact information or any text that you need added to the file.

With the JPEG image support you can stamp company logos, author signatures, products, charts or any artwork in JPEG format. A Scale feature is provided with image stamping to easily increase or decrease the size of the stamped image, leaving the original image size intact.

Use stamp PDF to apply text, watermarks and backgrounds to a PDF document. With stamp PDF, users can customize the content, appearance and action of each stamp as well as combining multiple stamps into one stamp profile. This includes aligning and setting the size of each stamp, or even making your stamps behave like hyperlinks.

Using stamp PDF, you can:

Stamp text and dynamic text
Apply page numbers
Apply image watermarks (JPEG/TIFF)
Specify the position, scale and angle of rotation for text and image stamps
Set actions for individual stamps.
Use all of these functions in batch process

Features

- Easy to use
- Windows 98, ME, NT, 2000 and XP support
- **Supports image stamp** (JPEG/TIFF images)
- **Supports text stamp**
- **Supports line stamp**

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- Output file — Duplicates the original file with the file name you specify. Stamps are placed in the duplicate file, leaving the original copy unchanged
- Stamp pages using the standard Base 13 fonts and system font.
- Supports Font Style, Font Size, Text Modes (solid, outline), Grayscale and **RGB** Color (0-255 **RGB** color values supported)
- Top, bottom, vertical center, diagonal-top left and diagonal-bottom left .
- Stamps can be placed in the exact vertical center of a page (or the exact vertical center within a individual stamping space)
- Enabling you to easily position the stamp in any location on the page
- Stamp on Top of or Underneath the original PDF document page contents
- Text and Image can be stamped on **any angle**. Any positive or negative numbers, including decimal numbers may be used to specify an angle in degrees
- Specify Start and Ending page numbers
- As an alternative to specifying static values for the text, you can use stamping variables to stamp dynamic data. Dates, times, page numbers; file names are just a few of the variables available. See the PDF Stamp documentation for a listing of all Stamping Variables.
- Supports multiple line text stamps within one stamp item
- JPEG/TIFF/PNG image size can be increased or decreased. No need to adjust the image size in another application before the stamp
- Wrap text to a new line if it would otherwise be too long to fit in its margined area
- **Supports links (web links, goto page, open file,goto remote page)**
- **Justification (when multi text)**— Left, right, or center

Limitations in the trial version

- Insert a watermark string in the every page in the PDF file

PDF Stamp with SDK methods description

The methods can be divided into in several groups.

Open and Close

veryOpen

long *veryOpen*(char *input, char *output)

Description

Open an existing PDF file to stamp.

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Parameters

input

Open an existing PDF file to stamp.

output

Output to a new file, the default is stamp on the input PDF file, this parameter may equal NULL.

Return Value

Each of these functions returns a PDF File id for the Open file. A return value of 0 or less 0 indicates an error, otherwise is succeed.

Follow is error code:

Code error	Meaning
0	Parameter error.
-1	Open the PDF file Failed.
-2	Cryptographic PDF file.
-3	Version too low (must above PDF-1.1)
Less -3	Other abnormity.

veryClose

void *veryClose* (long id)

Description

Close the opened PDF file.

Parameters

id

Returned by veryOpen function.

Return Value

None.

Text stamping

veryAddText

long *veryAddText*(long id,long position,
char *string,
long color,long alignment,
long shift_lr,long shift_tb,long rotate,long layer,
long hollow,
long fontcode,char *fontname,long fontsize,
long action,char *link,long pageno);

Description

Create a Text Stamp.

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Parameters

id

Returned by veryOpen function.

position

position where on the page the stamp item will appear. Allowed values are Top, Bottom, Top-Left, Bottom-Left, Center etc. If Position is 0, PDF Stamp will use the default, Top-Left, and the stamp will appear at the Top-Left of the page.

position	Meaning
1	Stamps on the Top-Left of the page. **(default)**
2	Stamps on the Top-Center of the page.
3	Stamps on the Top-Right of the page.
4	Stamps on the Right-Center of the page.
5	Stamps on the Right-Bottom of the page.
6	Stamps on the Bottom-Center of the page.
7	Stamps on the Left-Bottom of the page.
8	Stamps on the Left-Center of the page.
9	Stamps on the Center of the page.

String

String is the content of the stamp that you will create. In your stamp the text to be stamped must be enclosed in quotation mark, as with all other parameters in the stamp content.

Using variables in stamp content

When you are working with documents, there is a lot of information that varies from document to document — dates, times, filenames, etc. Even within a document there are things that change from page to page, such as page numbers or headers and footers. PDF Stamp software provides a large series of variables that access this dynamic information and stamp it into your document.

Note: All variables must be preceded by the slash (\) character. If the \ character is missing, the variable name will appear in the stamped text. If you want to use the \ character in a stamp it must be listed in the stamp file as \\.

Below is a table of all variables available showing the variable name, what it does, and an example.

Variable	Format	Example Output
\t	Local time	e.g. 10:10:10
\d	Local date	e.g. 2003-12-30
\D	Local date	e.g. 30-12-2003
\p	Current page number	Maybe “Page \p” equal ”Page 3”
\P±n	Current page number±a specified value	Maybe “Page \p+1” equal ”Page 4”
\c	Total page number	Maybe “Total \c” equal ”Total 3”

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\T	Title of this PDF	
\A	Author of this PDF	
\S	Subject of this PDF	
\n	New line. Use for multi-line stamps	Sample stamp, line1 Sample stamp, line2 Sample stamp, line3
\\	\ (Use when stamp must include backslash character symbol)	\

color

Specify the text color, range from 0x000000-0xFFFFFF, in hex.

Alignment

Alignment are used to align text on document pages, it only available for multi-line text stamps,

16: left alignment
17: center alignment
18: right alignment

shift_lr, shift_tb

Offset from current position.

shift_lr: Move current stamp to left or right n point
shift_tb: Move current stamp to top or bottom n point
For example:
.e.g shift_lr=10 Move to right 10 point
.e.g shift_lr=-10 Move to left 10 point
.e.g shift_tb=10 Move to bottom 10 point
.e.g shift_tb=-10 Move to top 10 point

rotate

The *rotate* parameter provides more flexibility for stamp positioning. While a diagonal stamp will angle text at 45 degrees, the *rotate* parameter may be used to position a text or image stamp at any angle. .e.g 45 or .e.g -45

45 angle

layer

Use the *layer* parameter to stamp under the existing text and/or graphics of the input PDF document.

layer =0 : is top most of all layers. **(Overlay)**

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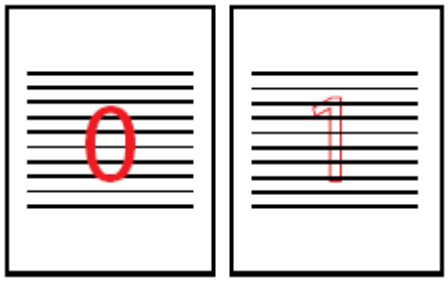
layer =1 : is under most of all layers. **(underlay)**

underlay **Overlay**

hollow

Set Text mode option, if set this option 0, the text mode is **Solid** otherwise is **Outline**



Solid **Outline**

fontcode, fontname

Set Text font name, default is **Times-Roman**, you only can use one of them in one time,

fontcode can be specified one of the following values,

Font code	Font Name
100	Times-Roman
101	Times-Bold
102	Times-Italic
103	Times-Bold-Italic
200	Courier
201	Courier-Bold
202	Courier-Oblique
203	Courier-Bold-Oblique
300	Helvetica
301	Helvetica-Bold
302	Helvetica-Oblique
303	Helvetica-Bold-Oblique
400	Symbol

fontname select a system font which installed in your system, for example, *fontname* equal **"Arial".**

fontsize

Set the font size, default is 16 point if *fontsize* equal 0
e.g. *fontsize* equal 16

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action , link , pageno

action		link	pageno
value	Meaning	value	value
0	None	None	None
1	Add a web link to a target URL on the Web.	url. e.g. "http://www.verypdf.com"	None
2	Opens a specified page in the current document.	None.	Page NO.
3	Opens specified file.	File name e.g. "c:\open.txt"	None
4	*Op*ens specified page within another pdf document.	File name e.g. "c:\open.pdf"	Page NO.

Return Value

Nonzero if it is successful; otherwise, it is zero.

Image stamping

veryAddImage

long *veryAddImage* (long id,long position,
char * filename,
long shift_lr,long shift_tb,long rotate,long layer,
long zoomW,long zoomH,
long action,char *link,long pageno);

Description

Creating a Image Stamp.

Parameters

id

Returned by veryOpen function.

position

position where on the page the stamp item will appear. Allowed values are Top, Bottom, Top-Left, Bottom-Left, Center etc. If Position is 0, PDF Stamp will use the default, Top-Left, and the stamp will appear at the Top-Left of the page.

position	Meaning
1	Stamps on the Top-Left of the page. **(default)**
2	Stamps on the Top-Center of the page.
3	Stamps on the Top-Right of the page.
4	Stamps on the Right-Center of the page.

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5	Stamps on the Right-Bottom of the page.
6	Stamps on the Bottom-Center of the page.
7	Stamps on the Left-Bottom of the page.
8	Stamps on the Left-Center of the page.
9	Stamps on the Center of the page.

filename

filename is the parameter that tells PDF Stamp software where to find the JPEG/PNG/TIFF image file to stamp; it must a full path, for example,

"C:\input.jpg"

shift_lr, shift_tb

Offset from current position.

shift_lr: Move current stamp to left or right n point

shift_tb: Move current stamp to top or bottom n point

For example:

.e.g shift_lr=10 Move to right 10 point

.e.g shift_lr=-10 Move to left 10 point

.e.g shift_tb=10 Move to bottom 10 point

.e.g shift_tb=-10 Move to top 10 point

rotate

The *rotate* parameter provides more flexibility for stamp positioning. While a diagonal stamp will angle text at 45 degrees, the *rotate* parameter may be used to position a text or image stamp at any angle.

.e.g 45 or .e.g -45

45 angle

layer

Use the *layer* parameter to stamp under the existing text and/or graphics of the input PDF document.

layer =0 : is top most of all layers. **(Overlay)**

layer =1 : is under most of all layers. **(Underlay)**

underlay

Overlay

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zoomW

zoomW parameter is used to increase or decrease the **width** of the original image when it is stamped onto the PDF document. A scale of 50 will make the image half (50%) its original **width**, while scales of 200 (200%) will double it.
it may equal 0.

zoomH

zoomH parameter is used to increase or decrease the **Height** of the original image when it is stamped onto the PDF document. A scale of 50 will make the image half (50%) its original **Height**, while scales of 200 (200%) will double it.
it may equal 0.

action , link , pageno

action		link	pageno
value	Meaning	value	value
0	None	None	None
1	Add a web link to a target URL on the Web.	url. e.g. “http://www.verypdf.com”	None
2	Opens a specified page in the current document.	None.	Page NO.
3	Opens specified file.	File name e.g. “c:\open.txt”	None
4	*Op*ens specified page within another pdf document.	File name e.g. “c:\open.pdf”	Page NO.

Return Value

Nonzero if it is successful; otherwise, it is zero.

Graphics stamping

veryAddLine

long *veryAddLine* (long id,long position,
long lineWidth,long color,
long shift_lr,long shift_tb,long rotate,long layer,
long zoomW,long zoomH);

Description

Creating a Line Stamp.

Parameters

id

Returned by veryOpen function.

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position

position where on the page the stamp item will appear. Allowed values are Top, Bottom, Top-Left, Bottom-Left, Center etc. If Position is 0, PDF Stamp will use the default, Top-Left, and the stamp will appear at the Top-Left of the page.

position	Meaning
1	Stamps on the Top-Left of the page. **(default)**
2	Stamps on the Top-Center of the page.
3	Stamps on the Top-Right of the page.
4	Stamps on the Right-Center of the page.
5	Stamps on the Right-Bottom of the page.
6	Stamps on the Bottom-Center of the page.
7	Stamps on the Left-Bottom of the page.
8	Stamps on the Left-Center of the page.
9	Stamps on the Center of the page.

lineWidth

Line Width.
default is 1 if lineWidth equal 0.

color

Specify the line color, range from 0x000000-0xFFFFFF, in hex.

shift_lr, shift_tb

Offset from current position.
shift_lr: Move current stamp to left or right n point
shift_tb: Move current stamp to top or bottom n point
For example:
.e.g shift_lr=10 Move to right 10 point
.e.g shift_lr=-10 Move to left 10 point
.e.g shift_tb=10 Move to bottom 10 point
.e.g shift_tb=-10 Move to top 10 point

rotate

The *rotate* parameter provides more flexibility for stamp positioning. While a diagonal stamp will angle text at 45 degrees, the *rotate* parameter may be used to position a text or image stamp at any angle.
.e.g 45 or .e.g -45

45 angle

layer

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Use the *layer* parameter to stamp under the existing text and/or graphics of the input PDF document.

layer =0 : is top most of all layers. **(Overlay)**
layer =1 : is under most of all layers. **(Underlay)**

underlay **Overlay**

zoomW , zoomH

Specify the line **Length.**

zoomW , zoomH parameter is used to increase or decrease the **Length** of the original line when it is stamped onto the PDF document. original line **Length** equal page width(default value *zoomW= zoomH=0)*. A scale of 50 will make the page width (*zoomW=50, zoomH=0*) or height (*zoomW=0, zoomH=50*) half (50%) its original **Length**, while scales of 200 (200%) will double it.

Note:

if zoomW>0 then zoomH parameters ignore.

Return Value

Nonzero if it is successful; otherwise, it is zero.

Page range

verySetFunction

long *verySetFunction*(long id,long code,
long para1,long para2,
char *para3,char *para4);

Description

Pages to Stamp — Specify Start page and page count , default is from first page to maximum page number.

Parameters

id

Returned by veryOpen function.

code

Must be 131.

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Para1
Start page number.
Para2
page count.
Otherwise parameters ignore.

Set which pages to stamp on by selecting a predefined range:

- Every page
  Default, *Para1= Para2=0*.
- Every odd page
  Para1= Para2=-1
- Every even page
  Para1= Para2=-2
- First page
  Para1= Para2=1
- Last page
  Para1= Para2=-3
- Define your own page range
  e.g. from 3 to 4 page.
  Para1=3 , Para2=2.

Undo Stamp

veryUndo

long veryUndo(char *filename);

Description
Undo Stamp.
Parameters
filename
Specify pdf file name .
Return Value
Nonzero if it is successful; otherwise, it is zero.

Register

veryReg

long *veryReg*(char *reg);

Description
Register PDF stamp SDK in your system.

Parameters
reg
Register code, length of *reg* must be 16 bytes.
e.g. *reg* equal "ABCDEFGHIJKLMNOP"

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