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Overview

Informatik Inc. offers a large collection of other graphics utilities, ActiveX DLLs, command-line driven and interactive utilities, Tiff drivers. For a complete listing of available software, visit www.informatik.com. Please check it out. If the particular utility is not listed, we may be able to write it for you for a small fee.

This PictPlus DLL library includes the following two functions:

1. DisplayPict

The DisplayPict function allows you to open and display several graphics formats in the Microsoft PictureBox control. DisplayPict supports most popular graphics formats, including single and multi-page TIFF, GIF, JPEG, PCX, DCX, PNG, Kodak CD, Targa, certain EPS, PXF, WMF, BMP, DIB.

The functions include:

- Selection of a page (for multi-page Tiff and DCX files)
- Scale/Magnification (display size)
- Rotation
- Inversion

2. PrintImage

The Printing function allows you to print all supported graphics formats. The function has extensive options and features for the printing of footers. Other settings are for scaling, top and left offsets. The functions also allow you to select the printer and the print orientation. All pages or selected pages of a multi-page file are printed.

For other DLLs and utilities please visit www.informatik.com.

For information about powerful ActiveX controls and DLL suites for graphics applications please contact us at info@informatik.com.

Getting Started

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Please visit the www.informatik.com/news.html website for latest information, FAQ and upgrade news.

This software requires library files listed below. You probably already have the file in your Windows\System directory and they may be included on the install diskettes or download set. If not, please copy them from the CD, or download them from any software repository or <http://www.informatik.com/files.html>.

msvbvm50.dll (version 05.00.4319(SP2) or later)
mfc40.dll (version 4.1.6139 or later)
msvcrt20.dll
msvcrt40.dll
oleaut32.dll

To **install** the program, run the Setup.exe file. PictPlus is a DLL and all files will be copied to the Windows\System directory. If you upgrade or reinstall the program, restart Windows before the installation. This will ensure that the previous version of the PictPlus DLL is no longer in use (in memory).

VB Sample Application (pictplus.vbp)

The downloaded PictPlus files include a Visual Basic project file (VB4 version, which can also be opened in VB5 and later versions). If the file is missing you can download it from www.informatik.com/files.html. This file is important; you probably will not be able to follow the instructions without this sample application. Please use this pictplus.vbp project as a template for your own application. The project includes the necessary PictureBox control objects, scroll bars, and code needed in your application. For the picture scrolling action, we use the PictureBox-inside-a-PictureBox method. The outer PictureBox acts as a window to the inner picture-displaying PictureBox. The horizontal and vertical scrollbars are used to 'move' the inner PictureBox so that the selected sections of the picture become visible. The project files includes all the code for sizing, scrolling, etc. All you need to do is place and size the outer PictureBox; the sizing and positioning of the scrollbars and the inner PictureBox is automatic.

When you run the sample application for the first time you will get an error message saying that an object library was not found. You must include the PictPlus DLL library, as explained in the next paragraph.

From the Projects (or Tools) menu, choose **References** and mark the PictPlus DLL checkbox, then click on OK. If the list of References shows MISSING: PictPlus DLL, then un-check the item, click on OK, choose References again from the menu, and you will find the correct PictPlus DLL reference.

For **debugging**, insert the keyword TEST in front of the parameter string. This keyword will cause the system to display the parsed property values.

Example: TEST file=c:\dir\img001.tif, rot=0, inv=0, error=1

It is suggested that you use the 'error' parameter flag during the testing phase.

The install file includes the filters for the most commonly used graphics formats. The following additional filters are available from <http://www.informatik.com.files.html>

EPS (with TIFF or WMF preview only)

IMG

TARGA

KODAK PHOTO CD

DXF

The single-user copies of the program include support for LZW compression (used primarily in color Tiff and Gif files). LZW compression is available for site/enterprise licenses at a small additional (per-user) charge.

The TIFF and GIF compression and decompression capabilities are licensed under US Patent No 4,558,302 and foreign counterparts.

The software should be **un-installed** via the Windows Control Panel.

For other DLLs and utilities please visit www.informatik.com.

Copyright, License, Disclaimer

It is illegal to use this program without a license after a free 30-day evaluation period. The license fee for a single seat is \$29.00. An unrestricted royalty-free re-distribution license is \$49.00. The fees for unrestricted licenses do not include LZW compression.

For license information please read the **license.doc** file on the install diskette. You will find the order form in the **order.doc** file on the install diskette. Or contact Informatik Inc. at sales@informatik.com, or call USA + 610.640.0339.

For support please contact Informatik Inc. at support@informatik.com or phone at 610.640.0339.

The software and the documentation are copyright protected.

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For the licensing terms and disclaimer please read the License.doc file on the install diskette. Do not use this system without first reading and agreeing with the License.doc.

Your feedback is appreciated.

Functions

DisplayPict (ByVal Paramvar As String) As Long

Syntax:

Result = obj.DisplayPict(Paramvar)

Please review the examples below and read the Getting Started section.

The *Paramvar* is a single string consisting of any of the following parameter elements (properties). The parameter string can consist of one or several parameter elements. If a property is not specified the system will normally use the previously used property (within the object's session). The order of insertion is not important. Please review the samples below.

If the return is a zero or a positive value, the function is successful; a negative value indicates an error condition (error code). The positive value represents the number of pages in a multi-page Tiff or DCX file. For error codes see the section.

Parameter Elements

- file= Source file with complete path name.
- pg= Optional page number (Tiff and DCX files only).
If not specified, the first page will be opened.
- scale= The magnification for display.
If the scale is not specified or set to 0, the system will calculate the natural display scale. For example, a 200 bpi image displayed on a screen with 96 pixels per inch will be displayed at a scale of 48. When opening new files, or new pages, it is advised that you set the scale to 0 (scale=0).
- rot= Rotation of image. The value must be 0, 90, 180 or 270.
The value is absolute, not incremental. Thus to change an image that is already rotated 90 degrees to a 180 degree rotation, you enter 90 (i.e. the increment). When you open a new image, or a new page, the system will apply the previous rotation, unless you set the rotation to 0. When opening new image files you are advised to routinely specify the rot=0 property.
- inv= 1 = invert image.
This property operates as a 'toggle'. A negative image will be inverted to positive, or a positive image will be inverted to negative, each time you send the inv=1 property.
- error= If value is set to 2, the system will display a message when it encounters an error condition.

Examples:

Remember, you only need to specify only the changing properties (except the Invert property). The property values are saved from one file and applied to the next file, unless changed. To open a new file you may always want to set the Rotation to 0 (rot=0) and the Scale to 0 (scale=0) so that previous property settings are deleted.

```
file=c:\somedir\img001.tif, rot=0, scale=0, error=1
file= c:\somedir\img002.tif, rot=0, scale=0, pg=2
pg=3, rot=0, scale=0
rot=90
scale=33
inv=1
```

PrintImage (ByVal Paramvar As String) As Long

Syntax:

Result = obj.PrintImage(Paramvar)

Please review the examples below and read the Getting Started section.

The *Paramvar* is a single string consisting of any of the following parameter elements. Only the *file* parameter element is mandatory, the scale element is recommended; all other elements are optional. The order of insertion is not important. Please review the samples below. If the return is zero, the function is successful; otherwise the return indicates the error code. For error codes see the section below.

If you have problems with the printing, first check the print scale. A lower scale will often cure the problem.

Parameter Elements

- | | |
|----------|--|
| file= | Source file with complete path name. |
| pg= | Optional page number. If left blank, all pages will be printed. |
| printer= | The formal printer name, e.g. hp laserjet iip.
If left blank, the image will be printed to the default printer. To view a list of available printers, simply use an invalid printer name in the parameter string. |
| orient= | The optional orientation:
1 = Portrait
2 = Landscape |
| bin= | Paper bin (1-14). Please refer to printer specifications.
Upper bin is normally 1; lower bin is normally 2; envelope is normally 5 |

papersize= Paper size. Please refer to printer specifications.
Letter size is normally 1; legal size is normally 5

x= Offset Left in Twips (1 inch = 1440 twips, 1 cm = 576 twips).

y= Offset Top in Twips (1 inch = 1440 twips, 1 cm = 576 twips).

scale= Scale for printing in percent, e.g. 50 (do not enter the percent sign. To print to fit, enter minus 1 (-1).

ftpos= Option footer location, in twips, counting from bottom.
Default is 1200. (1 inch = 1440 twips, 1 cm = 576 twips).

ftalign= Optional footer alignment:
0 = Right (default)
1 = Center
2 = Left
More than 2 = Actual offset in pixels

ffont= Font and Size
C12 = Courier 12 (for example)
A10 = Arial 10 (for example)
‘C’ represents the fixed ‘Courier’ font and
‘A’ represents the scaleable ‘Arial’ font.
The number represents the font size.

ftdate= Enter 1 if you want to include the date in the footer.
Enter 2 if you want both the date and the time.

ffile= Enter 1, 2 or 3 if you want to include the file name in the footer.
1 = with full path
2 = without path
3 = without path and without extension name.

fttext= Text that will be added to footer,
with optional leading and trailing spaces.

unsq= If the image appears 'squashed', set this flag to 0 or 1.

Examples:

file=c:\somedir\img001.tif
file=c:\somedir\img001.tif, pg=1
file=c:\somedir\img001.tif, pg=1, printer=hp laserjet iip, orient=2
file=c:\somedir\img001.tif, ftpos=1500, ftalign=1, ffile=1

Error Codes

Error Codes (listing of most common errors):

105 File is not specified
107 Cannot open file
108 Cannot open page

32501 Unspecified Internal Error
32502 Unsupported Image Format (Please check the files with DIL extensions).
32504 File Not Found
32506 Insufficient Memory
32210 File Already Exists
32211 Error Opening File
32511 Error Printing Image
32515 Missing DIL file
33202 Missing DEL file
33203 Unsupported Export Format (please check the files with DEL extensions).
33205 Insufficient Memory
33208 Bad Dynamic Export Library

Technical Support

For the latest upgrade announcements and product news, FAQs, bug reports and fixes please visit <http://www.informatik.com/news.html>.

Free technical support is available for 90 days from purchase.

For technical support please contact Informatik Inc. at support@informatik.com or call at USA+ 610.640.0339. Free technical support is available for 90 after purchase.

Distribution

If you have purchased an unrestricted license for PictPlus DLL you may freely distribute the PictPlus files with your software. You may not distribute any LZW-enabled graphics filter files (e.g. im31.tif enabled for LZW compression) without the prior written permission by Informatik Inc. or Unisys Corporation.

The following files should be included in the distribution of the software:

msvbvm50.dll
asycfilt.dll
comcat.dll
ctl3d32.dll
im31---.dil Import filter files; one for each graphics type, e.g im31tif.dil *
im31x---.del Export filter files; one for each graphics type, e.g im31xtif.del *
imgman31.dll
imocx32.ocx
mfc40.dll
msvcrt20.dll
msvcrt40.dll
oleaut32.dll
olepro32.dll
stdole2.tlb
pictplus.dll
ven2232.olb

* at least one dil AND one del file

