Image and digital File Formats

- PixEdit® Desktop
- PixEdit® Converter Server
- PixEdit® Server
- PixView®
- PixJet® Virtual PDF Printer

Following is a listing of all scanned document, image file formats and digital formats supported by our software. Note that the formats are supported differently in different products:

PixEdit® Desktop is generally able to read and write all formats. However, there are exceptions: Some formats can only be read, and a few can only be written. This is noted in the *Notes* column.

PixEdit® Converter Server can read all readable formats and write to various types of PDF, PDF/A and TIFF

PixEdit® Server can read all readable formats and write to various types of PDF, PDF/A and TIFF

PixView® can read all readable formats. It can also write to PDF or TIFF, but only if the document was scanned directly into PixView.

PixJet® Virtual PDF Printer can write to all writeable image formats. However, it does not support vector formats, such as DXF.

Common formats

Short name	*Description*	*Notes* R: Read only W: Write only	*File extension(s)*
PDF Wikipedia	**Portable Document Format** As defined in the ISO Standard 32000-1:2008 Versions:		.pdf
	PDF 1.0	R	

	PDF 1.1	R	
	PDF 1.2	R	
	PDF 1.3	R	
	PDF 1.4		
	PDF 1.5		
	PDF 1.6		
	PDF 1.7		

PDF/A Wikipedia	**Portable Document Format** for **Archiving** PDF specialized for digital preservation of electronic documents Versions:		.pdf
	PDF/A-1 ISO 19005-1, based on Adobe PDF 1.4		
	PDF/A-2 ISO 19005-2, based on Adobe PDF 1.7 (ISO 32000-1) *Writing and verifying documents in this format is currently under development	R*	
	PDF/A-3 ISO 19005-3, based on Adobe PDF 1.7 (ISO 32000-1)	R	
TIFF Wikipedia	**Tagged Image File Format** All versions supported, including the latest TIFF 6.0 Standard (1992)		.tif .tiff
JPEG Wikipedia	**Joint Photographer Expert Group**		.jpg .jpeg .jpe .jif .jfif .jfi

PNG Wikipedia	**Portable Network Graphics** *Alpha channel transparency is not supported	*	.png
GIF Wikipedia	**Graphics Interchange Format**		.gif
BMP Wikipedia	**Bitmap Image File**		.bmp

Other formats in alphabetical order

Short name	*Description*	*Note*	*File extension(s)*
Alias Pix	**Alias Pix (Vivid)**	R	.pix
ANA Tech	**ANA Tech**		.g4 .lrd
Apollo HDRU	**Apollo HDRU**		.gn
AutoCAD	**AutoCAD Cadcamera**		.img
BOB	**BOB Raytracer Image**	R	.bob
Brooktrout®Fax	**Brooktrout® Fax**	R	.fax
CCRF	**Calcomp CCRF**	W	.crf .ccrf .prn
CALS Wikipedia	**Continuous Acquisition and Life-cycle Support** (United States Department of Defense)		.cal
Cineon WIkipedia	**Kodak Cineon**	R	.cin
DSI	**CImage DSI**		.dsi
CMU	**CMU Window Manager Bitmap**		.cmu

Datacopy	**Datacopy**		.img
DCX Wikipedia	**Multipage PCX**		.dcx
DICOM Wikipedia	**Digital Imaging and Communications in Medicine**	R	.dcm
DKB	**QRT Raytracer Image**	R	.dis
Dr. Halo	**Dr. Halo II Cut Runlength**	R	.cut
DXF Wikipedia	**AutoCAD DXF** *DXF is a drawing (vector) format used by many CAD applications. With PixEdit® Desktop, you can vectorize a scanned image, save it as a DXF file and then import it in your CAD program. See the PixEdit® User Manual for more information about vectorizing.	W*	.dxf
EDMICS	**EDMICS** United States Department of Defense		.c4
SCN	**Eldak SCN**		.scn
EPS Wikipedia	**Encapsulated PostScript**	W	.eps
Ericsson CALS	**Ericsson multi-page CALS**	R	.cal
Facesaver	**Facesaver**	R	.fac
FAX	**Generic Fax Format**	R	.fax
FBM	**Fuzzy Bitmap**	R	.fbm
FITS Wikipedia	**Flexible Image Transport System**	R	.fts

GEM	**Graphical Environment Manager**		.img
GIMP Brush Wikipedia	**GNU Image Manipulation Program Brush Bitmap**	R	.gbr
GIMP Pattern Wikipedia	**GNU Image Manipulation Program Pattern Bitmap**	R	.pat
HF Rayshade	**HF Rayshade Height Field**	R	.hf
HRF	**Hitachi Raster Format**		.hrf
HPGL Wikipedia	**Hewlett-Packard Graphics Language** • HPGL • HPGL/2 (command subset only) *HPGL is a plotter (vector) format used by many CAD programs. PixEdit® and PixView® can read this file format and convert it to an image file. PixEdit® Desktop can also vectorize a scanned image and save it as a HPGL file.	R, W*	.hpg .hpgl .hpgl2
HSI	**Image Alchemy**	R	.raw

IOCA **MODCA** **(MO:DCA)** Wikipedia	**IBM Image Object Content Architecture** **IBM Mixed Object:Document Content Architecture** *For writing, only CCITT G4 compression is supported	*	.ica .ioca .mca .modca
KIPS	**IBM KIPS Bitmap**	R	.kps
IFF Wikipedia	**Interchange File Format** (ILBM Color)	R	.iff
Image Software Set	**Image Software Set**	R	.img

IMC	**Image Machines Corporation Tiled G4**		.tg4
Intergraph	**Intergraph** BIN, CIT, RLE9, TG4		.bin .cit .rle .tg4
JEDMICS	**JEDMICS C4 Compressed Image File** Joint Engineering Data Management Information and Control System (United States Department of Defense)		.c4
JTFax	**JTFax**	R	.0??
VIFF	**Khoros VIFF**	R	.vif
Koala Paint	**Koala Paint**	R	.koa
Kodak DC120	**Kodak DC120 Digital Camera**	R	.kdc
Kodak DC25	**Kodak DC25 Digital Camera**	R	.k25
Kodak PCD	**Kodak PCD**	R	.pcd
Laser Data	**Laser Data**	R	.lda
Lotus Manuscript	**Lotus Manuscript**	R	.bit
PICT Wikipedia	**Macintosh PICT**	R	.pct
MacPaint	**MacPaint**	R	.mac
MGR	**MGR**		.mgr
MSP Wikipedia	**Microsoft Paint**	R	.msp

Microtek Eyestar Wikipedia	**Microtek Eyestar**	R	.img
MRF	**Marks Russel Image Format**	R	.mrf
NeoChrome	**Atari NeoChrome**	R	.neo
NIFF	**Navy Image File Format** CALS Raster Type 3	R	.nif .niff
NIST	**National Institute of Technology ihdr**	R	.pct
OCP	**Advanced Art Studio OCP**	R	.ocp
OND	**Notis OND (Multipage TIFF)**	R	.ond
P7	**XV Thumbnail**	R	.p7
PSP	**Paint Shop Pro 5**	R	.psp
Palm Pilot	**Palm Pilot Picture**	R	.pdb
PBM Wikipedia	**UNIX Portable Bitmap**		.pbm
PCL Wikipedia	**Hewlett-Packard Printer Control Language**	W	.pcl
PC Paint	**PC Paint Plus 2.0**	R	.pic
PCX Wikipedia	**PC Paintbrush Bitmap** Personal Computer Exchange		.pcx
PGM Wikipedia	**UNIX Portable Graymap**	R	.pgm
PPM Wikipedia	**UNIX Portable Pixmap**		.ppm

PM	**Presentation Manager Bitmap**	R	.pm
PFS	**First Publisher ART Image**	R	.pfs
PSD	**Adobe Photoshop Document**	R	.psd
Puzzle	**UNIX Puzzle Bitmap**	R	.pzl
PWP 94	**Seattle Filmworks Multi-Image**	R	.pwp
QDV	**Random Dot Bitmap**	R	.qdv
Ricoh IS30	**Ricoh IS30**		.pig
Ricoh J61	**Ricoh J61 Digital Camera Image**	R	.j61
RLC	**Intel type raster format**		.rlc
Scitex	**Scitex CT Image** *Only Grayscale and 24-bpp CMYK supported	R*	.sct
SFW	**Seattle Filmworks Image** SFW, SFW 94	R	.sfw
SGI	**Silicon Graphics Image**	R	.sgi
SmartFax	**SmartFax**	R	.0??
SoftImage	**SoftImage**	R	.pic
SriSun	**SriSun Graphic**	R	.ssi
STAD	**Atari STAD Image**	R	.pac
Sun Bitmap	**Sun Raster Bitmap Image**	R	.ras .rast
TAAC	**Sun TAAC**	R	.vff

LSC	**SysScan LSC**		.lsc
Talaris	**Talaris**	R	.tif
TARGA Wikipedia	**Truevision Advanced Raster Graphics Adapter Bitmap**		.tga

TealPaint	**TealPaint Multi-Page**	R	.pdb
TDF	**Techsoft Document Format**		.tdf
IMG	**Uncompressed IMG** *Read/write: Uncompressed, 4-byte or 6byte header Write only: Uncompressed with no header This format is implemented for test purposes only – **using this format is not recommended**	*	.img
SCN	**Vidar SCN** *Read/Write: Standard type RLE, Version 1 VRLE, Version 1 CCITT G4 and Uncompressed Read only: Old type RLE	*	.scn
VORT	**VORT Raytracer** *Alpha channel transparency is ignored	R*	.pix
WBMP	**WAP BMP**	R	.wbm
WMF, EMF	**Windows Metafile**CAD **Windows Enhanced Metafile**	W	.wmf .emf
Windows Clipboard	**Windows Clipboard**	R	.clp
WinFax	**WinFax**	R	.wfx

WPG	**Word Perfect Graphics** *Read/Write: Version 5.0 RLE Read Only: Version 5.1: RLE	*	.wpg
Xerox Print	**Xerox Print Format** *Only Black & White Type 0 is supported	R*	.img
XIM	**X11 Xim Toolkit Bitmap** *Only version 3 with 8 or 24-bpp is supported	R*	.xim
SMP	**Xionics SMP** *Read/Write: Uncompressed, Packbits, CCITT G4 Read Only: CCITT G3 1D, CCITT G3 2D	*	.smp
XWD	**X-Windows Dump X-11** *Read/Write: 1 bpp (monochrome) Read Only: 4, 8, 24 and 32-bpp (alpha channel is ignored)	*	.xwd
ZX Spectrum	**ZX Spectrum Standard Screen**	R	.scr

Note about multiple pages in scanned documents

Only two of the common file formats can contain more than one scanned page: **PDF** and **TIFF**. Of the other formats, three can hold more than one page: **MO:DCA, DCX** and **Ericsson CALS**. All other formats can only contain one image or page per file.

However, with PixEdit®, you can easily take a collection of for example JPEGs, with one single page per file, and combine them into a PDF, where all those pages are contained in one single file. Conveniently, the file names of the JPEGs are also made into bookmarks in the PDF. For more information about combining single-page files to a multi-page document, please refer to the PixEdit® User Guide.

Digital formats

DOC	**Microsoft Word Document ***	R	.doc
DOCX	**Microsoft Word Open XML Document ***	R	.docx
DOT	**Word Document Template ***	R	.dot
DOCM	**Word Open XML Macro-Enabled Document ***	R	.docm
DOTM	**Word Open XML Macro-Enabled Document ***	R	.dotm
DOTX	**Word Open XML Document Template ***	R	.dotx
TXT	**Plain Text File ***	R	.txt
MHT	**MHTML Web Archive ***	R	.mht
RTF	**Rich Text Format File ***	R	.rtf
XML	**XML File ***	R	.xml
KOF	**Koordinat- og Observasjonsformat for Feltminner ***	R	.kof

DOK	**DesktopOK Icons Layout File ***	R	.dok
WPS	**Kingsoft Writer Document ***	R	.wps
ODT	**Open Document Format for Office Applications ***	R	.odt
ODP	**OpenDocument Presentation file ***	R	.odp
ODS	**OpenDocument Spreadsheet ***	R	.ods
HTM	**Hypertext Markup Language File ***	R	.htm
HTML	**Hypertext Markup Language File ***	R	.html
XLS	**Excel Spreadsheet ***	R	.xls
XLSX	**Microsoft Excel Open XML Spreadsheet ***	R	.xlsx
XLSB	**Excel Binary Spreadsheet ***	R	.xlsb
XLTX	**Excel Open XML Spreadsheet Template ***	R	.xltx
XLSM	**Excel Open XmL Macro-Enabled Spreadsheet ***	R	.xlsm
CSV	**Comma Separated Values File ***	R	.csv

PPT	**PowerPoint Presentation ***	R	.ppt
PPTX	**PowerPoint Open XML Presentation ***	R	.pptx
PPTM	**PowerPoint Open XML Macro-Enabled ***	R	.pptm
PPS	**PowerPoint Slide Show ***	R	.pps
PPSX	**PowerPoint Open XML Slide Show ***	R	.ppsx
MSG	**Outlook Mail Message ***	R	.msg
VCF	**vCard File ***	R	.vcf
EML	**E-Mail Message ***	R	.eml
PST	**Outlook Personal Information Store File ***	R	.pst
PUB	**Publisher Document ***	R	.pub
VSD	**Visio Drawing File ***	R	.vsd
VSDX	**Visio Drawing ***	R	.vsdx
MPP	**Microsoft Project File ***	R	.mpp

ZIP	**Zipped File ***	R	.zip
DWG	**AutoCAD Drawing Database File ****	R	.dwg
XPS	**XML Paper Specification File**	R	.xps
OXPS	**OpenXPS File**	R	.oxps
	* Will require a valid installation of MS Office 2010 or later to be able to read and convert documents. ** Will require a valid installation of AutoCad to be able to read and convert documents.		

Resources

Wikipedia: ***Comparison of graphics file formats***

Wikipedia: ***List of file formats***