

PLACER - vector/bitmap converter and composer  
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Fast, small program to convert and compose vector/bitmap graphic files in the following formats:

Bitmaps  
\* GIF  
\* BMP  
\* JPEG  
\* TIFF  
\* G3-Fax

Vector(or mixed)  
\* AutoCAD DXF  
\* Windows Enhanced EMF/WMF  
\* ArcView SHP  
\* Gerber  
\* HTML (output only)  
\* Adobe PDF (output only)

The program can be used for  
\* viewing common graphic formats  
\* mixed graphic composition  
\* image processing/vectorization

File formats supported  
\* Input DXF is ASCII mode 2D, used for vector data exchange (layers, True Type fonts, LW poly-lines are processed)  
\* Input BMP is uncompressed, palette and rgb  
\* Input TIFF is uncompressed, multi-page, palette and rgb  
\* Input G3-Fax is CCITT - 1D compressed, black/white  
\* Input GIF is standard, Output - is RLE compressed, interlaced  
\* Input JPEG is standard, progressive  
\* Input EMF/WMF can contain bitmaps, Output - is the system standard  
\* Input SHP is ESRI shape file associated with DBF attributes  
\* Input GBR Gerber PCB is a subset of RS274X standart  
\* Output HTML is Microsoft VML Web standard  
\* Output PDF is ZLib compressed, version 1.2

To make overlaid composition several bitmaps and vector files can be opened onto a page with optional position/scale parameters.

Position and scale factors can be adjusted using the keyboard or through point and pull of a border.

With 6 buttons on the right side some image processing could be done. The functions are:

- \* "Hist" - 2d-histogram of an image
- \* "Pyrm" - Pyramid filtering
- \* "Fill" - Flood filling (from image center)
- \* "3->1" - 3 to 1 channel conversion
- \* "Edge" - Canny edge detection, vectorization
- \* "Approx" - Curve approximation, simplification

Each button has the parameter field for processing strength choosing.

The program contains:  
\* Ed Casas EFax  
\* Eddie Kohler GifSicle  
\* FastIO System ClibPDF  
\* Frank Warmerdam ShapeFile  
\* Intel IJL  
\* Intel OpenCV

Special thanks : Arzamas

Registration at ShareIt!:

<http://shareit1.element5.com/programs.html?productid=133799>

ShareIt! will provide registered users with complete C source code of the program, MSVC project and full precompiled binaries.