NAME
>   imgvinfo – extract and display interesting things from a Pilot Image Viewer pdb header, version 2.0.

SYNOPSIS
>   **imgvinfo** [-*h*] [-*v*] [-*t fmt*] [-*{u/l}*] [*in* [...]]

DESCRIPTION
>   **imgvinfo** is a simple tool for extracting and displaying a couple things from a Pilot Image Viewer pdb file; the name, creation time, last modified time, last backup time, version, type, last position, anchor position, image size, and the note (if present) are extracted and printed on the standard output.

>   The *creation time* and *mod time* are incorrect most of the time; all of the Image Viewer pdb files that I've come across have *1907-08-16 19:38:22* (UTC) here and that makes no sense at all. However, if you've created an image pdb with **pgmtoimgv**(1) or **pbmtoimgv**(1), these times will be correct.

>   This program was originally written to test some .pdb header parsing code but it may be a usefull little tool anyway.

OPTIONS
>   *-h*   Display a short usage message and exit.

>   *-v*   Display the version and exit.

>   *-t fmt*   Specify the time format. The default is "%Y-%m-%d %H:%M:%S" (the ISO8601 standard). See **strftime**(3) for the available format codes.

>   *-u*   Output times in UTC rather than the local time zone.

>   *-l*   Output times in the local time zone (default).

>   *in*   The input file. The standard input is read by default. A file name of - means the standard input.

SEE ALSO
>   **imgvtopnm**(1), **imgvview**(1), **pbmtoimgv**(1), **pgmtoimgv**(1), **ppmimgvquant**(1), **pbm**(5), **pgm**(5).

BUGS
>   Bug reports should be sent to Eric A. Howe (mu@trends.net).

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NAME

imgvtopnm – Pilot Image Viewer pdb to PGM/PBM converter, version 2.0.

SYNOPSIS

imgvtopnm [-*h*] [-*v*] [-*{p/r}*] [-*n notefile*] [*in* [*out*]]

DESCRIPTION

Imgvtopnm is a filter for converting Pilot Image Viewer pdb files to Portable Graymaps or Portable Bitmaps; grayscale pdb files will be converted to PGM files and monochrome pdb files will be converted to PBM files. Notes attached to images may, optionally, be extracted as well. Both compressed and uncompressed images are supported.

If you want to know what kind of image (monochrome or grayscale) a pdb file holds, use **imgvinfo**(1).

OPTIONS

-*h*   Display a short usage message and exit.

-*v*   Display the version and exit.

-*p*   Produce a plain (or text) format output file.

-*r*   Produce a raw (or binary) format output file.

-*n notefile*

Write the image note (if any) to *notefile*. The image note is ignored by default.

in   The input file. The standard input is read by default.

out   The output file. The standard output is written by default.

SEE ALSO

imgvinfo(1), **imgvview**(1), **pbmtoimgv**(1), **pgmtoimgv**(1), **ppmimgvquant**(1), **pbm**(5), **pgm**(5).

BUGS

Bug reports should be sent to Eric A. Howe (mu@trends.net).

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NAME

imgvview – tool for viewing Pilot Image Viewer files, version 2.0.

SYNOPSIS

imgvview [-*h*] [-*v*] [*file*]

DESCRIPTION

imgvview(1) is a simple wrapper for another image viewer (**xv**(1), **xli**(1), and **display**(1) will work but anything that can read PGM and PBM files can be used by editting the script); the input file is converted to a temporary PGM or PBM file and the other viewer is launched with the temporary file.

OPTIONS

-*h*   Display a usage message and exit.

-*v*   Display the version number and exit.

SEE ALSO

imgvinfo(1), **imgvtopnm**(1), **pbmtoimgv**(1), **pgmtoimgv**(1), **ppmimgvquant**(1), **pbm**(5), **pgm**(5).

BUGS

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NAME
pbmtoimgv – Portable Bitmap to Pilot Image Viewer converter, version 2.0.

SYNOPSIS
pbmtoimgv [*-h*] [*-v*] [*-t title*] [*-n notefile*] [*-{c/m/u}*] [*in* [*out*]]

DESCRIPTION
pbmtoimgv is a simple filter for converting Portable Bitmap to monochrome Pilot Image Viewer pdb files.

If an image's width is not a multiple of 16 pixels, enough extra white pixels will be added at the right side to ensure alignment. Images will be padded, with white pixels, to a width and height of 160 if needed.

OPTIONS
-h   Display a short summary of the command line options and exit.

-v   Display the version and exit.

-t title   Specify the title of the image (up to 31 characters).

-n notefile
Specify the note file. No note is attached to the image by default.

-c   Produce a compressed image.

-m   Produce a compressed image if it is smaller than the uncompressed version. This is the default compression mode.

-u   Produce an uncompressed image.

in   The input file. The default is the standard input.

out   The output file. The default is the standard output.

SEE ALSO
imgvinfo(1), **imgvtopnm**(1), **imgvview**(1), **pgmtoimgv**(1), **ppmimgvquant**(1), **pbm**(5), **pgm**(5).

BUGS
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NAME

pgmtoimgv – Portable Graymap to Pilot Image Viewer converter, version 2.0.

SYNOPSIS

pgmtoimgv [*-h*] [*-v*] [*-4*] [*-t title*] [*-n notefile*] [*-{c/m/u}*] [*in* [*out*]]

DESCRIPTION

pgmtoimgv is a simple filter for converting Portable Graymaps to grayscale Pilot Image Viewer pdb files.
The input pgm file **must** use the following palette unless you specify the *-4* switch:

        P3
        4 1
        255
         0 0 0
         85 85 85
        170 170 170
        255 255 255

if you specify *-4*, then your grayscale image must use this palette:

        P3
        16 1
        255
         0 0 0
         17 17 17
         34 34 34
         51 51 51
         68 68 68
         85 85 85
        102 102 102
        119 119 119
        136 136 136
        153 153 153
        170 170 170
        187 187 187
        204 204 204
        221 221 221
        238 238 238
        255 255 255

If your PGM file doesn't use one of these palettes, use **ppmquant**(1) to convert your palette.

If an image's width is not a multiple of 16 pixels, enough extra white pixels will be added at the right side
to ensure alignment. Images will be padded, with white pixels, to a width and height of 160 if needed.

OPTIONS

-h   Display a short summary of the command line options and exit.

-v   Display the version and exit.

-4   Use 4 bit grayscale (16 shades of gray).

-t title Specify the title of the image (up to 31 characters).

-n notefile
            Specify the note file. No note is attached to the image by default.

-c   Produce a compressed image.

-m   Produce a compressed image if it is smaller than the uncompressed version. This is the default
            compression mode.

-u   Produce an uncompressed image.

in   The input file. The default is the standard input.

      out   The output file. The default is the standard output.

SEE ALSO

    imgvinfo(1), **imgvtopnm**(1), **imgvview**(1), **pbmtoimgv**(1), **ppmimgvquant**(1), **pbm**(5), **pgm**(5).

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NAME

ppmimgvquant – palette quantifier for Pilot Image Viewer pgm files, version 2.0.

SYNOPSIS

ppmimgvquant [*-4*] [*-h*] [*-v*] [*ppmquant options*]

DESCRIPTION

ppmimgvquant just calls **ppmquant**(1) with the following map file:

```
P3
4 1
255
  0   0   0
 85  85  85
170 170 170
255 255 255
```

If you specify *-4*, then we use this map file:

```
P3
16 1
255
  0   0   0
 17  17  17
 34  34  34
 51  51  51
 68  68  68
 85  85  85
102 102 102
119 119 119
136 136 136
153 153 153
170 170 170
187 187 187
204 204 204
221 221 221
238 238 238
255 255 255
```

The **ppmquant**(1) output is also passed through **ppmtopgm**(1) to ensure a graymap output file.

OPTIONS

-4   Convert to 4 depth image (for Palm IIIx/V).

-h   Display a usage message and exit.

-v   Display the version number and exit.

All other switches are passed to **ppmquant**(1).

SEE ALSO

imgvinfo(1), **imgvtopnm**(1), **imgvview**(1), **pbmtoimgv**(1), **pgmtoimgv**(1), **ppmquant**(1), **ppmtopgm**(1), **pbm**(5), **pgm**(5).

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