NAME
     identify - describes the format and characteristics of one or more image files.

SYNOPSIS
     identify [*options*] *input-file*

OVERVIEW
     The **identify** program is a member of the ImageMagick(1) suite of tools. It describes the format and
     characteristics of one or more image files. It also reports if an image is incomplete or corrupt. The
     information returned includes the image number, the file name, the width and height of the image,
     whether the image is colormapped or not, the number of colors in the image (by default off use *-define
     unique=true* option), the number of bytes in the image, the format of the image (JPEG, PNM, etc.), and
     finally the number of seconds it took to read and process the image. Many more attributes are available
     with the verbose option.

     For more information about the identify command, point your browser to
     file:///usr/local/share/doc/ImageMagick-7/www/identify.html or
     http://imagemagick.org/script/identify.php.

DESCRIPTION
     Image Settings:
      -alpha option   on, activate, off, deactivate, set, opaque, copy
                     transparent, extract, background, or shape
      -antialias   remove pixel-aliasing
      -authenticate value decrypt image with this password
      -clip   clip along the first path from the 8BIM profile
      -clip-mask filename associate a clip mask with the image
      -clip-path id   clip along a named path from the 8BIM profile
      -colorspace type   alternate image colorspace
      -crop geometry   cut out a rectangular region of the image
      -define format:option
                     define one or more image format options
      -define unique=true return the number of unique colors in the image
      -density geometry   horizontal and vertical density of the image
      -depth value   image depth
      -endian type   endianness (MSB or LSB) of the image
      -extract geometry   extract area from image
      -features distance   analyze image features (e.g. contrast, correlation)
      -format "string"   output formatted image characteristics
      -fuzz distance   colors within this distance are considered equal

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     -gamma value        of gamma correction
     -interlace type     type of image interlacing scheme
     -interpolate method  pixel color interpolation method
     -limit type value    pixel cache resource limit
     -list type          Color, Configure, Delegate, Format, Magic, Module,
                  Resource, or Type
     -matte             store matte channel if the image has one
     -moments            report image moments
     -monitor            monitor progress
     -ping            efficiently determine image attributes
     -precision value    maximum number of significant digits to print
     -quiet            suppress all warning messages
     -read-mask filename  associate a read mask with the image
     -regard-warnings    pay attention to warning messages
     -respect-parentheses settings remain in effect until parenthesis boundary
     -sampling-factor geometry
                     horizontal and vertical sampling factor
     -seed value        seed a new sequence of pseudo-random numbers
     -set attribute value set an image attribute
     -size geometry      width and height of image
     -strip            strip image of all profiles and comments
     -unique            display the number of unique colors in the image
     -units type        the units of image resolution
     -verbose           print detailed information about the image
     -virtual-pixel method
                     virtual pixel access method

  Image Operators:
   -auto-orient        automatically orient image
   -channel mask        set the image channel mask
   -grayscale method    convert image to grayscale
   -negate            replace each pixel with its complementary color

  Miscellaneous Options:
   -debug events        display copious debugging information
   -help             print program options
   -list type           print a list of supported option arguments
   -log format          format of debugging information
   -version           print version information
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By default, the image format of 'file' is determined by its magic number. To specify a particular image format, precede the filename with an image format name and a colon (i.e. ps:image) or specify the image type as the filename suffix (i.e. image.ps). Specify 'file' as '-' for standard input or output.

NOTE

Although some options appear to modify the file to be identified, the identify command is strictly **read only**. For instance, the crop option crops the in-memory image and then describes the result.

SEE ALSO

ImageMagick(1)

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