NAME

    qrencode - Encode input data in a QR Code and save as a PNG or EPS image.

SYNOPSIS

    qrencode [-o FILENAME] [OPTION]... [STRING]

DESCRIPTION

    Libqrencode is a library for encoding data in a QR Code symbol, a kind of 2D symbology that can be scanned by handy terminals such as a mobile phone with CCD. The capacity of QR Code is up to 7000 digits or 4000 characters, and has high robustness.

    Qrencode is a utility software using libqrencode to encode string data in a QR Code and save as a PNG or EPS image.

OPTIONS

    -h, --help

        display help message.

    -o FILENAME, --output=FILENAME

        write image to FILENAME. If '-' is specified, the result will be output to standard output. If -S is given, structured symbols are written to FILENAME-01.png, FILENAME-02.png, ... (suffix is removed from FILENAME, if specified)

    -r FILENAME, --read-from=FILENAME

        read input data from FILENAME.

    -s NUMBER, --size=NUMBER

        specify the size of dot (pixel). (default=3)

    -l {LMQH}, --level={LMQH}

        specify error correction level from L (lowest) to H (highest). (default=L)

    -v NUMBER, --symversion=NUMBER

        specify the minimum version of the symbol. See SYMBOL VERSIONS for more information. (default=auto)

    -m NUMBER, --margin=NUMBER

        specify the width of margin. (default=4)

-d NUMBER, --dpi=NUMBER
    specify the DPI of the generated PNG. (default=72)

-t
{PNG,PNG32,EPS,SVG,XPM,ANSI,ANSI256,ASCII,ASCIIi,UTF8,UTF8i,ANSIUTF8,ANSIUTF8i,ANSI256UT
--type={PNG,PNG32,EPS,SVG,XPM,ANSI,ANSI256,ASCII,ASCIIi,UTF8,UTF8i,ANSIUTF8,ANSIUTF8i,ANSI
    specify the type of the generated image. (default=PNG)

-S, --structured
    make structured symbols. Version number must be specified with '-v'.

-k, --kanji
    assume that the input text contains kanji (shift-jis).

-c, --casesensitive
    encode lower-case alphabet characters in 8-bit mode. (default)

-i, --ignorecase
    ignore case distinctions and use only upper-case characters.

-8, --8bit
    encode entire data in 8-bit mode. -k, -c and -i will be ignored.

-M, --micro
    encode in a Micro QR Code. See MICRO QR CODE for more information.

--rle
    enable run-length encoding for SVG.

--svg-path
    use single path to draw modules for SVG.

--inline
    only useful for SVG output, generates an SVG without the XML tag.

--foreground=RRGGBB[AA]
--background=RRGGBB[AA]
    specify foreground/background color in hexadecimal notation. 6-digit (RGB) or 8-digit (RGBA)
    form are supported. Color output support available only in PNG, EPS and SVG.

--strict-version

     disable automatic version number adjustment. If the input data is too large for the specified version, the program exits with the code of 1.

-V, --version

     display the version number and copyrights of the qrencode.

--verbose

     display verbose information to stderr.

[STRING]

     input data. If it is not specified, data will be taken from standard input.

SYMBOL VERSIONS

The symbol versions of QR Code range from Version 1 to Version 40. Each version has a different module configuration or number of modules, ranging from Version 1 (21 x 21 modules) up to Version 40 (177 x 177 modules). Each higher version number comprises 4 additional modules per side by default. See http://www.qrcode.com/en/about/version.html for a detailed version list.

MICRO QR CODE

With Micro QR Code, You can embed data in a smaller area than with QR Code, but the data capacity is strongly limited. The symbol versions range from Version 1 to 4.

EXAMPLES

qrencode -l L -v 1 -o output.png 'Hello, world!'

     encode into a symbol version 1, level L.

qrencode -iSv 1 --output=output.png

     read standard input and encode it into a structured-appended symbols in case-insensitive mode.

qrencode -S -v 40 -l L -r bigfile.txt -o output.png

     read input data from bigfile.txt and encode into a symbol version 40, level L.

AUTHOR

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RESOURCES

Main Web Site: https://fukuchi.org/works/qrencode/

Source code repository: https://github.com/fukuchi/libqrencode/

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