

bardecode

Overview

`bardecode -f image_file [options] [long_options]`

Bardecode scans TIF and JPG files for barcodes and prints the results to standard output. The source code for this tool is included with the toolkit.

- options are flags such as -m, which may or may not take an argument.
- long options are property name and value pairs, such as --MinSpaceBarWidth=2

Options

-c min_length	Minimum length of barcode
-C max_length	Maximum length of barcode
-d scan_direction	Scan direction mask 1 = Left to Right, 2 = Top to Bottom 4 = Right to Left and 8 = Bottom to Top. default is 15. The scan direction mask controls the directions in which. the barcode reader will look for a barcode. With this version it is now possible to scan for barcodes in any rotation with one call to the reader.
-f image_file	image_file can be of type TIF or JPG. JPG files must use the extension ".jpg" or ".jpeg"
-g	Load properties and processing instructions from an XML file and save to an XML or CSV file. Must be used with -x and -X flags. (See Process XML for more details).
-i page_index	Page number of image indexed from 1
-j jump	Frequency at which scan lines are sampled, default is 1
-k skew tolerance	0 = off ranging to 5 = any angle
-L oversample_sep	Distance between the line samples when over-sampling is used. Default value is 3.
-m	Scan for multiple barcodes
-M min_space_width	Minimum allowed size in pixels for a space between bars
-n noise_reduction	Noise Reduction level (0 = off, typical value is 20)
-N noise_reduction	Advanced Noise Reduction (0 = off, typical value is 20)
-o min_occurs	Minimum number of matching scan lines, default 2
-O	Sample the scan lines in blocks of 3 with each line separated by oversample_sep lines (see below).
-p pref_occurs	Preferred number of matching scan lines, default 5

-P	Show page numbers
-q quiet_size	Number of pixels wide for the quiet zone around bar code
-S file_template	Split a multi-page TIF file into smaller TIF files. The first page of each new file will contain a barcode The template must include %d to index the files e.g. file%d.tif. Must be used with -m flag.
-t barcode_types	Specifies the types of barcodes to read, barcode_types is one or more of "code39", "code128", "upca", "upce", "ean8", "code25", "ean13" and "codabar" joined together with the character.
-t any	Searches for a barcode of any type.
-T color threshold	Set the color threshold. Ranges from 0 to 255. Default is 128.
-w	Print TIF Warnings to STDERR
-u upper_ratio	Defunct flag
-x inputXMLFile	XML input file (see LoadXMLSettings for more details).
-X outputFile	Save the results to an XML or CSV file. Can be used with the -g flag to process instructions from an input file and save to an output file. (see SaveResults for more details).

Long Options

Any property of the toolkit can be set via a long option. For example to set PrefOccurrence to 10 as a long option please use the format:

```
--PrefOccurrence 10
```

Please refer to the product documentation for descriptions and appropriate values.

Examples

Scan for a Code 39 barcode in a portrait orientation image:

```
bardecode -f file.tif -t code39 -d 5
```

Using long options:

```
bardecode -f file.tif --ReadCode39=1 --ScanDirection=5
```

Scan for a Code 39 barcode in a landscape orientation image:

```
bardecode -f file.tif -t code39 -d 10
```

Scan for a Code 128 or UPC-A barcode in an image of poor quality:

```
bardecode -n 20 -f file.tif -t "code128|upca"
```

Split a multi-page TIF file into smaller files, each with a barcode on page 1

```
bardecode -t code39 -m -S output%d.tif -f multipage.tif
```