

Package ‘exifr’

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Type Package

Title EXIF Image Data in R

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Description Reads EXIF data using ExifTool <<http://www.sno.phy.queensu.ca/~phil/exiftool/>> and returns results as a data frame.

ExifTool is a platform-independent Perl library plus a command-line application for reading, writing and editing meta information in a wide variety of files. ExifTool supports many different metadata formats including EXIF, GPS, IPTC, XMP, JFIF, GeoTIFF, ICC Profile, Photoshop IRB, FlashPix, AFCP and ID3, as well as the maker notes of many digital cameras by Canon, Casio, FLIR, FujiFilm, GE, HP, JVC/Victor, Kodak, Leaf, Minolta/Konica-Minolta, Motorola, Nikon, Nintendo, Olympus/Epson, Panasonic/Leica, Pentax/Asahi, Phase One, Reconyx, Ricoh, Samsung, Sanyo, Sigma/Foveon and Sony.

License GPL-2

LazyData TRUE

Imports foreach, plyr, utils

SystemRequirements Perl

URL <https://github.com/paleolimbot/exifr>

BugReports <https://github.com/paleolimbot/exifr/issues>

NeedsCompilation no

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 exifr

Read EXIF data

Description

Reads EXIF data into a `data.frame` by calling the ExifTool command-line application, written by Phil Harvey. Depending on number of images and command-line length requirements, the command may be called multiple times.

Usage

```
exifr(filename, recursive = FALSE, quiet = TRUE, exiftoolargs = NULL,
       perlpath = NULL)
```

Arguments

<code>filename</code>	A vector of filenames (like that generated by <code>list.files(..., full.names=TRUE)</code>)
<code>recursive</code>	If directory is specified by <code>filename</code> , process files recursively.
<code>quiet</code>	FALSE if status updates are desired, TRUE otherwise.
<code>exiftoolargs</code>	a list of args to be passed to ExifTool (e.g. <code>c("-filename", "-imagesize")</code>)
<code>perlpath</code>	the location of the perl interpreter. NULL for autodetect.

Details

From the [ExifTool website](#): ExifTool is a platform-independent Perl library plus a command-line application for reading, writing and editing meta information in a wide variety of files. ExifTool supports many different metadata formats including EXIF, GPS, IPTC, XMP, JFIF, GeoTIFF, ICC Profile, Photoshop IRB, FlashPix, ACP and ID3, as well as the maker notes of many digital cameras by Canon, Casio, FLIR, FujiFilm, GE, HP, JVC/Victor, Kodak, Leaf, Minolta/Konica-Minolta, Motorola, Nikon, Nintendo, Olympus/Epson, Panasonic/Leica, Pentax/Asahi, Phase One, Reconyx, Ricoh, Samsung, Sanyo, Sigma/Foveon and Sony.

For more information, see the [ExifTool website](#)

Value

A `data.frame` of photo EXIF information.

Examples

```
files <- list.files(path.package("exifr"), recursive=TRUE, pattern="*.jpg", full.names=TRUE)
exifinfo <- exifr(files)
# is equivalent to
exifinfo <- exifr(path.package("exifr"), recursive=TRUE)

exifr(files, exiftoolargs="-filename -imagesize")
```

exiftool.call	<i>Call exiftool from R</i>
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Description

Uses `system()` to run a basic call to `exiftool`.

Usage

```
exiftool.call(args = c("--help"), fnames = NULL, perlpath = NULL,  
intern = FALSE, ...)
```

Arguments

<code>args</code>	a list of non-shell quoted arguments (e.g. <code>-n -csv</code>)
<code>fnames</code>	a list of filenames (<code>shQuote()</code> will be applied to this vector)
<code>perlpath</code>	the location of the perl interpreter. <code>NULL</code> for autodetect.
<code>intern</code>	<code>TRUE</code> if output should be returned as a character vector.
<code>...</code>	additional arguments to be passed to <code>system()</code>

Value

The exit code if `intern=FALSE`, or the standard output as a character vector if `intern=TRUE`.

Examples

```
exiftool.call("--help")
```

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