ExifTool

Metadata reader/writer

CONCEPTS

Writing changes the file and leaves a backup named <file>_original next to it. Add -overwrite_original once you trust the command. Tag names ignore case and can be prefixed with a group, e.g. -XMP:Title.

READING

exiftool *<file>*
Show every tag with its value

exiftool -*<Tag>* *<file>*
Show only the named tag

exiftool -s *<file>*
Use tag names instead of descriptions

exiftool -S *<file>*
Very short output: Tag: value

exiftool -G1 -a *<file>*
Show group names and duplicate tags

exiftool -n *<file>*
Raw values, no print conversion

SELECTING FILES

exiftool -r *<dir>*
Recurse into subdirectories

exiftool -ext *<ext>* *<dir>*
Only process files with this extension

exiftool -if '*<expr>***'** *<files>*
Only files where the expression is true

WRITING

exiftool -*<Tag>***=***<value>* *<file>*
Set a tag

exiftool -*<Tag>***=** *<file>*
Delete a tag

exiftool -all= *<file>*
Delete all metadata

exiftool -*<Tag>***+=***<value>* *<file>*
Add to a list tag, e.g. -Keywords

exiftool -overwrite_original *<file>*
Edit in place, no _original backup

exiftool -P *<file>*
Keep the file modification date

DATES AND RENAMING

exiftool -AllDates="*<YYYY:MM:DD HH:MM:SS>***"** *<file>*
Set all three EXIF dates

exiftool -AllDates+=*<h:mm>* *<file>*
Shift all dates forward

exiftool '-FileName*<DateTimeOriginal' -d '%Y%m%d_%H%M%S%%-c.%%e'* *<dir>*
Rename by capture date

exiftool '-Directory*<DateTimeOriginal' -d '%Y/%m/%d'* *<dir>*
Move into date folders

COPYING TAGS

exiftool -tagsFromFile *<src>* *<dst>*
Copy the writable tags from src to dst

exiftool -tagsFromFile *<src>* **-***<Tag>* *<dst>*
Copy only the named tag

exiftool -all= -tagsFromFile @ -*<Tag>* *<file>*
Strip everything except one tag

GPS

exiftool -gps:all -n *<file>*
Show GPS tags as decimal numbers

exiftool -GPSLatitude=*<n>* **-GPSLatitudeRef=***<N|S>* **-GPSLongitude=***<n>* **-GPSLongitudeRef=***<E|W>* *<file>*
Set coordinates

exiftool -gps:all= *<file>*
Remove GPS data

exiftool -geotag *<track.gpx>* *<dir>*
Tag photos from a GPS track log

EXPORT AND IMPORT

exiftool -csv *<dir>* **>** *<out.csv>*
Export tags to CSV

exiftool -csv -*<Tag1>* **-***<Tag2>* *<dir>*
CSV with chosen tags only

exiftool -json *<files>*
Output as JSON