

User Document

Command Line Support in the Adobe DNG Converter

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Command Line Support in the Adobe DNG Converter

Introduction

Previous versions of the Adobe DNG Converter always displayed a UI, which required human interaction to convert propriety raw files into DNG format. This made DNG conversion difficult to include as part of automated raw processing workflows.

Adobe DNG Converter 3.2 and later has added command line parameter support, which allows it to be run by automation systems without displaying a UI. This allows DNG converter to be included in automated raw processing workflows.

Running the Adobe DNG Converter from the Command Line

Under Windows, you can run the DNG converter from the command line by just typing the path to the executable file, followed by the parameters. For example, assuming the DNG Converter is installed at the standard location, type:

```
"C:\Program Files\Adobe DNG Converter.exe"
```

followed by the parameter list, followed by source file path(s).

Note: Under Windows, you need to include at least one option in the parameter list to prevent the DNG Converter from displaying its UI. If you don't have any non-default options to specify, just in use the "-c" option, which is a default option.

Under Mac OS X, you need to type to entire path to executable file, which is inside the Application bundle. For example, assuming the DNG Converter is installed at the standard location, type:

```
open -a "/Applications/Adobe DNG Converter.app/Contents/MacOS/Adobe DNG Converter" --args
```

followed by the parameter list, followed by source file path(s).

Parameter List

The parameter list consists of options followed by the names of raw files to convert. Options must precede the names of any raw files that they apply to, and apply to all the remaining raw files on the command line.

Command Line Options

The Adobe DNG Converter supports the following command line options:

- c Output compressed DNG files (default).
- u Output uncompressed DNG files.
- l Output linear DNG files.
- e Embed original raw file inside DNG files.
- p0 Set JPEG preview size to none.
- p1 Set JPEG preview size to medium size (default).
- p2 Set JPEG preview size to full size.
- fl Embed fast load data.
- lossy Specify lossy compression. Defaults to preserve pixel count. Specify a long-side pixels or megapixels limit with optional -side or -count options defined below. Valid for Camera Raw compatibility 6.6 or later.
- side <pixels> Specify a long-side pixels value from 32 to 65000 pixels.
- count <pixels> Specify a megapixels limit of 1024 (1MP) or greater.
- cr2.4 Set Camera Raw compatibility to 2.4 and later
- cr4.1 Set Camera Raw compatibility to 4.1 and later
- cr4.6 Set Camera Raw compatibility to 4.6 and later
- cr5.4 Set Camera Raw compatibility to 5.4 and later
- cr6.6 Set Camera Raw compatibility to 6.6 and later
- cr7.1 Set Camera Raw compatibility to 7.1 and later (default)
- dng1.1 Set DNG backward version to 1.1
- dng1.3 Set DNG backward version to 1.3
- dng1.4 Set DNG backward version to 1.4 (default)
- x Extract original embedded raw file(s) from source file argument(s). Overrides options above.
- d <directory> Output converted or extracted files to the specified directory. Default to the parent directory of the input file. In the case of multiple input files, it defaults to the parent directory of each file.
- o <filename> Specify the name of the output DNG file. Default is the name of the input file with the extension changed to “.dng”.
When converting multiple files with a single command, output files will use this as a base name and will be numbered sequentially. Ignored when using -x option.