

Converting to Tiff from camera RAW

Every brand of camera has its own take on camera RAW, which seems to be the data for the picture plus a separate set of extra metadata bundled into a file together. For a Canon digital camera like we have, these called CR2 files. It's important that the camera is set to save pictures in Camera RAW files because it preserves a lot of color data that is lost in JPG form. However, the files are very large, and photoscan seems to have problems with CR2 files (though it can load them).

- The pc version of photoscan pro would only display the thumbnail of an imported CR2 file, and would not actually scan the full image for points.
- The linux version treated all items in a few of the subfolders of the Doctor project as corrupt, simply saying that it could not load an image even though it was there. The same files were usable in windows and not corrupted to my knowledge.

The photoscan manual for version 1.2.0 (pro version) recommends that camera raw files be losslessly converted to TIFF files.

The way I've found to do this (though likely not the only way) is to download adobe dng converter and use it to convert the CR2 files to DNG files, which are Adobe's camera raw files. I then use Adobe Bridge's Camera Raw plugin to convert the files to TIFF.

You can get Adobe's standalone CR2->DNG converter here.

<https://www.adobe.com/support/downloads/thankyou.jsp?ftplD=5694&fileID=5707>

The downside here is that you need photoshop. My version of photoshop is CS5.5 (it's old), and didn't come bundled with the Camera Raw plugin. I had to download it here.

<https://www.adobe.com/support/downloads/thankyou.jsp?ftplD=5373&fileID=4999>

If your photoshop is pre Creative Cloud, you will probably have to go get the appropriate plugin for your version.

If you have photoshop CS6 or later, go here:

<https://helpx.adobe.com/camera-raw/kb/camera-raw-plug-in-installer.html>

Likely, if you are using creative cloud, you won't have to download this.

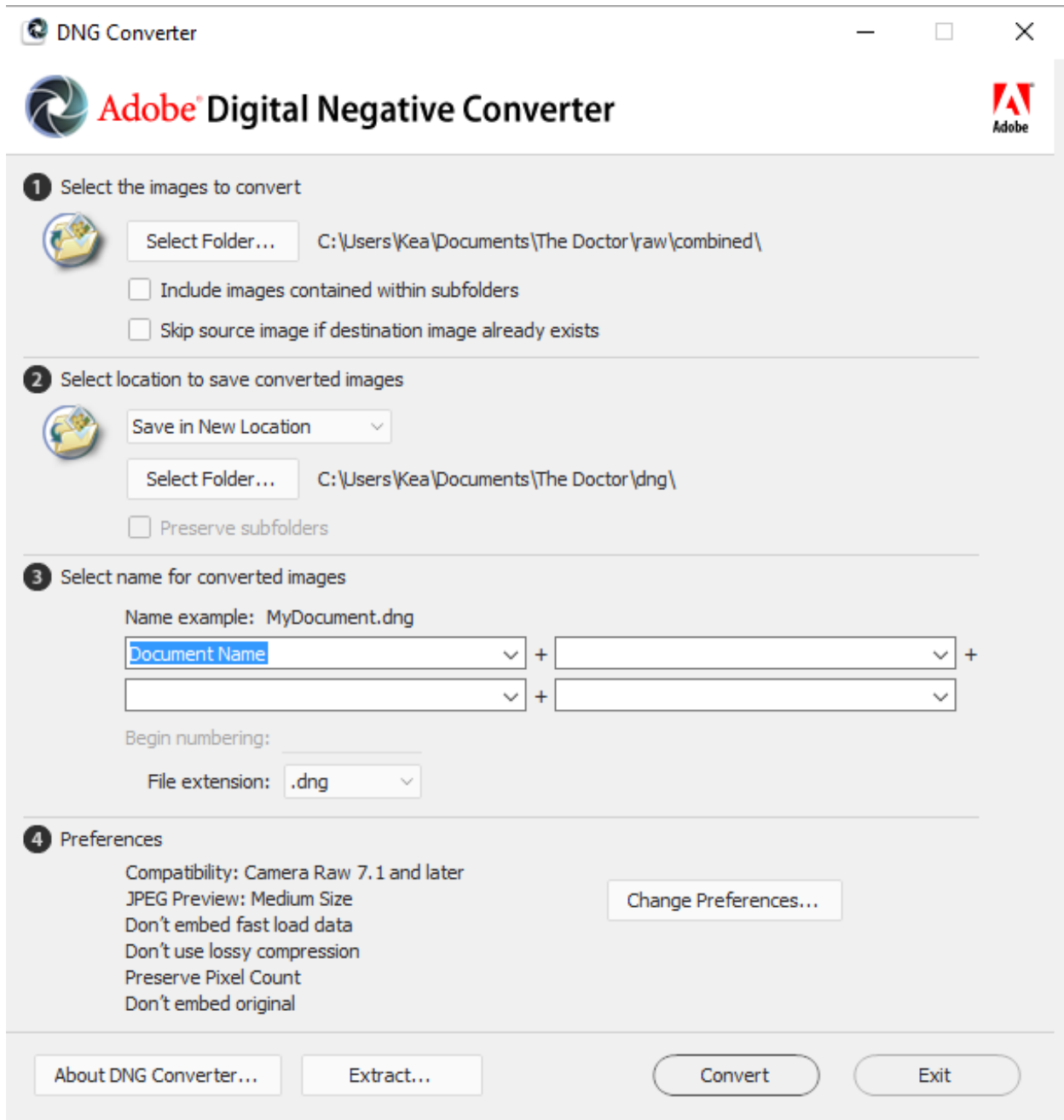
The helpful documentation for Adobe's camera raw tools is here:

<https://helpx.adobe.com/camera-raw/using/supported-cameras.html>

Run the standalone DNG converter.

- Give it the directory of files to convert.
 - Pro-tip: Unless you have a good reason, put your files for one job in the same directory. Another thing photoscan does gracefully is handle multiple subdirectories and relative paths.

- Output the DNGs into a new folder.
- Leave the other options alone.
- Drive across town to Starbux and get a cuppa coffee.



- Open the whole folder from inside adobe bridge.
 - Select all images, right click, click "Open in Camera RAW"
- The Adobe camera raw program should open, if it doesn't you didn't install the plugin correctly.
- Click the "select all" button in the top left corner.
- Click Save images in the bottom left corner.
 - If you have the disk space, save them off in a separate folder.
 - Make sure there's no compression option selected.

Save Options

Destination: C:\Users\Kea\Documents\The Doctor\tif\

File Naming

Example: IMG_0434.tif

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Begin Numbering:

File Extension:

Format:

Compression: