FILE STORY

The journey of an image

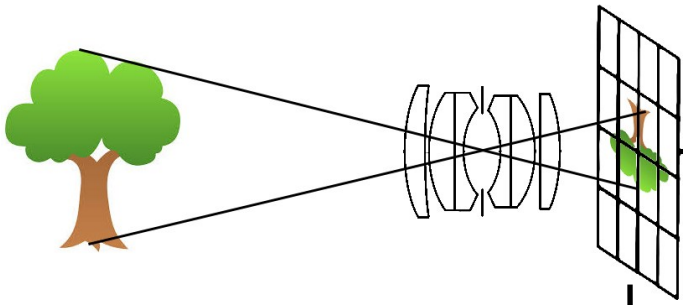
from

the Camera

to a .jpg file

Using the Adobe Photography Suite.

Processing of the Image Files in the Camera



Sensor

14 bit Analog to digital Conversion

16,384 levels for each colour R, G & B

No “In Camera Processing”

Camera Settings

f stop
Shutter Speed
ISO
Camera & Lens Info
Time & Date

White Balance
Colour Space
“In Camera Processing”

Irreversible Processing

Apply:
White Balance
Colour Space
&
“In Camera Processing”

Memory Card

RAW File

RGB Data
16,384 levels
Per Channel
Lossless
compression

Metadata

RAW file from Memory Card to PC

14 or 16 bit File

16,384 levels for each colour R, G & B

JPEG File

Metadata

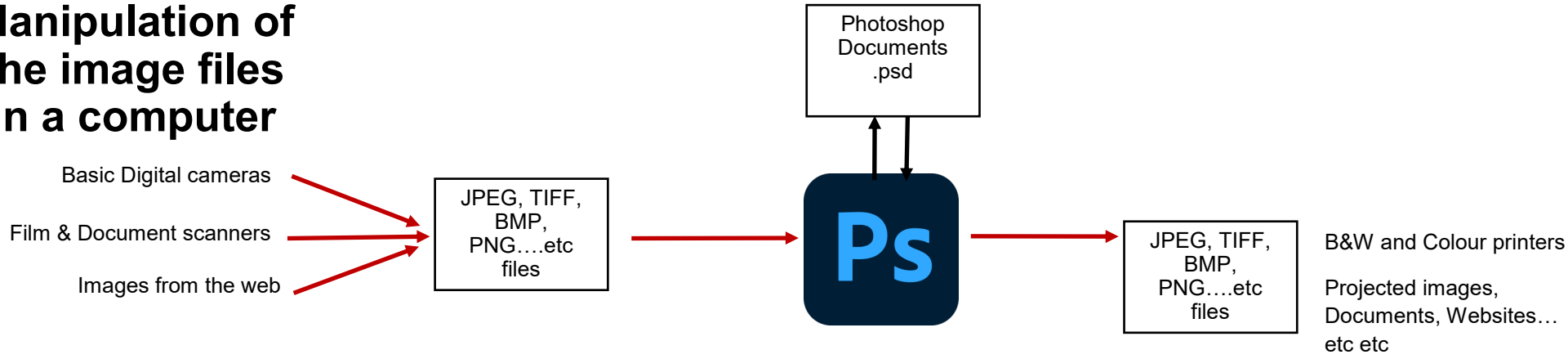
RGB Data
255 levels
Per Channel
Lossy
compression

JPEG file from Memory Card to PC

8 bit File

255 levels for each colour R, G & B

Manipulation of the image files in a computer

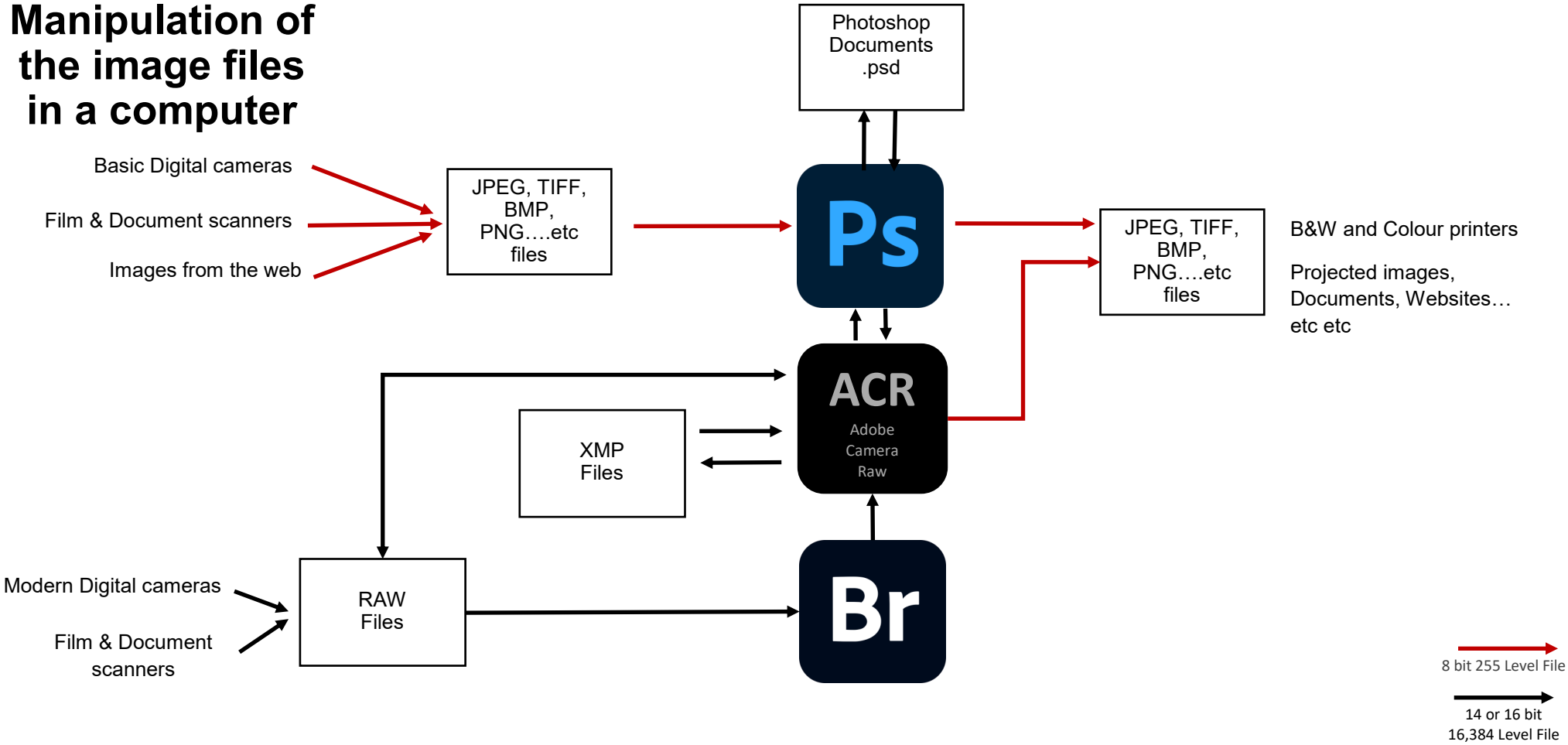


8 bit 255 Level File

14 or 16 bit 16,384 Level File

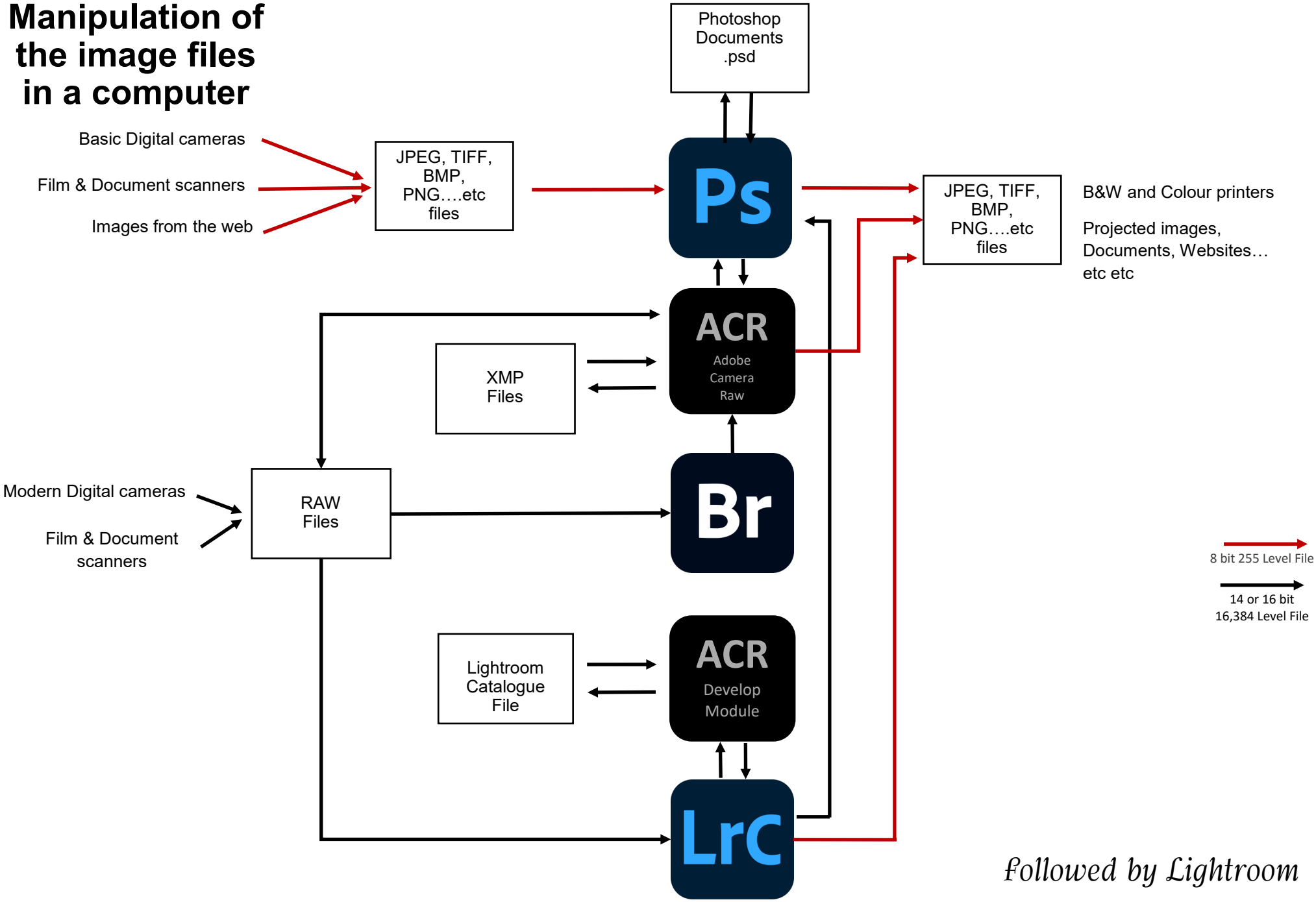
The early days—Photoshop only

Manipulation of the image files in a computer



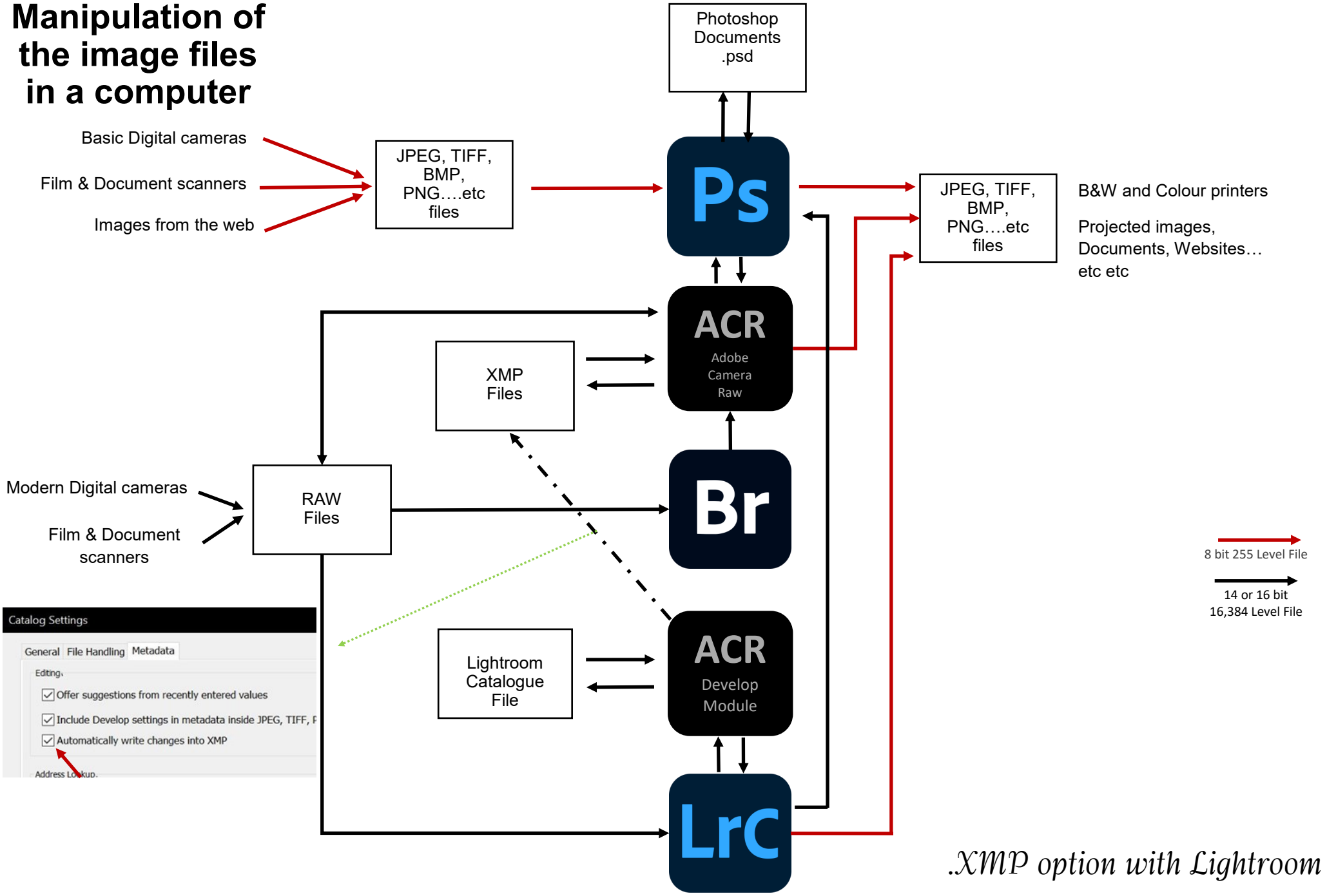
Then RAW files & Bridge came along....

Manipulation of the image files in a computer



followed by Lightroom

Manipulation of the image files in a computer



XMP option with Lightroom

File and Folder naming

File naming is important to keep things tidy and easy to find. Files should be named consistently.

Sorting files

File viewing programs, Apple Finder, Windows File Explorer, Adobe Bridge etc. allow files to be sorted by their names " Alphabetically", which for letters is obvious ABCD…. but other characters such as numbers

1, 2, 3, 9, 12, 23, 67

will sort alphabetically as

1, 12, 2, 23, 3, 67, 9

To avoid this, leading zeroes are required so that each number has the same number of characters.

01, 02, 03, 09, 12, 23, 67 or 001, 002, 003, 009, 012, 023, 067.

The months

Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec.

Will sort aphetically as

Apr, Aug, Dec, Feb, Jan, Jul, Jun, Mar, May, Nov, Oct, Sep.

So, it's best not to use them. Use month numbers with leading zero's instead - 01, 03, 07, 12.

Special characters

Special characters are sorted before A so the underscore _ is very useful to keep a file or folder at the top of the list by adding it before the file name e.g.

_Tony.jpg will be at the top of the list above Arron.jpg.

The space works the same way in Windows but as its invisible it can cause confusion.

Avoid these special characters in a file name

: \ / < > | " ? [ ] ; = + & £ $, . # % ~ { }